

Well Name: RK-UTL 3031B-17-1H

AFE #:

Report Date: 10/16/2016

Operation: Completion

ober 16, 2016	Rig Name:		Report #:	2
UTL 3031B-17-1H	Supervisor:	Nathan Renner	Daily Cost:	\$22,351
d	Phone:	307-272-6768	Cum Job:	\$31,219
	Email:	nrennner320@gmail.com	Job AFE:	
	Total Well AFE:		Cum Well Cost:	\$2,824,281
ι	JTL 3031B-17-1H	JTL 3031B-17-1H Supervisor: d Phone:	Nathan Renner   Supervisor: Nathan Renner   Phone: 307-272-6768   Email: nrennner320@gmail.com	Nathan Renner   Daily Cost:

24 Hr Summary:

24 Hr Plan
Forward:

Incidents:

None

JPE Pers: Joe Jaggers, Jame Contract Pers: Cameron, Monahans Ni Conditions: Clear, hot

Critical Comments

#### Time Breakdown

| Activity | Summary (6:00am - 6:00am) | Colorabia | C

Cost	Summary
CUSI	Sullilliai y

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS			
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL			
	840-071	HOT SHOT TRUCKING			
	840-072	JPE OWNED EQUIP RENTAL			
	840-100	CEMENT SERV/ FLOAT EQUIP			
ts	840-110	CASING CREW & EQPT			
Intangible Costs	840-115	FLOWBACK WATER			
<u>e</u>	840-120	CONTRACT LABOR		\$1,380	\$4,358
l ë	840-130	COMPLETION RIG			
la l	840-135	COILED TUBING			
ا ق	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV			
	840-155	ACIDIZING/FRACTURING		\$4,000	\$4,000
	840-160	FLOW TESTING			
	840-165	COMPLETE FLUID-FRESH WTR		\$310	\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION			\$1,400
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$5,690	\$14,558
	860-030	PRODUCTION CASING			
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT		\$16,661	\$16,661
	860-060	SUBSURFACE EQUIPMENT			
w	860-065	SURFACE EQUIPMENT			
ost	860-080	WELLSITE COMPRESSION			
9	860-085	PUMPING UNIT & MOTOR			
Tangible Costs	860-086	RODS			
auć	860-090	NIPPLE/VALVE/FITTING/FLO			
-	860-100	METERING EQP/TELE			
	860-110	TANK STAIRS & WALKWAYS			
	860-115	SEPARATORS & TREATERS			
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			
-	860-155	POWER INSTALLATION			
	860-175	SUPERVISION			
	860-275	CONTINGENCY			
1			Total Tangible	\$16,661	\$16,661
			Total Daily & Cum Costs	\$22,351	\$31,219
		www.wellez.com	WellEz Information Management LLC ver_1.14.14bg		



Well Name: RK-UTL 3031B-17-1H

Jaa	ged		DAILY COMPLETION	NS REPORT	AFE #:			
Do			DAIL! GOIM LETIO!	TO ILLI OILLI	Report Date: 10	0/25/2016		
ENE					Operation: C	ompletion		
Field:	nui	Oct	ober 25, 2016	Rig Name:	-	Report #:	6	
Location	:		UTL 3031B-17-1H	Supervisor:		Daily Cost:	\$1,000	
County:	-	Wai		Phone:	303-475-5655	Cum Job:	\$362,21	19
State:		TX		Email:	rkerr@dtcenergygroup.com	Job AFE:		
				Total Well AFE:		Cum Well Cos	st: \$3,155,	281
24 Ur S	ummary:	Electricia	ans ran conduit inside facility and mounte	ed panels.				
24 HI 3	ullillary.							
	r Plan	Continue	e with plumbing h/t and fwko. Electricians	s running conduit to pumps,	treaters inside facility.			
	ward:		T	T T.				
Incid	lents:		JPE Pers:		tract Pers: Midway, Epic Ele	ctric Conditions:		
				Critical Comme	iits			
				Time Breakdow	'n			
Activity	Summary	(6:00am -	6:00am)					8.5 HRS
From	То	Hrs			Summary			
			8:00-16:30 Midway-two crews installing	g valves, gauges and piping	g on h/t and fwko.			
8:00	16:30	8.5	8:00-17:30 Epic Electric-one crew insta	alling conduit runs inside fa	cility to pump locations, vessel	S.		
				Cost Sum	mary			
	Code		Description		Comments		Daily	Cum.
	840-030		ROAD,LOCATIONS					
	840-045		NON-RETRIEVABLE PLUGS					
	840-060		HOT OILER					
	840-065		FUEL, POWER					
	840-070 840-071		EQUIPMENT RENTAL HOT SHOT TRUCKING					
	840-071		JPE OWNED EQUIP RENTAL					
	840-100		CEMENT SERV/ FLOAT EQUIP					
ν, ·	840-110		CASING CREW & EQPT					
Sost	840-115		FLOWBACK WATER					
Intangible Costs	840-120		CONTRACT LABOR					\$4,358
gigi	840-130		COMPLETION RIG					
tau	840-135		COILED TUBING					
<del>-</del>	840-140		CASED HOLE LOGS & SURVEYS					\$4,490
	840-145 840-155		PERFORATING/WIRELINE SERV ACIDIZING/FRACTURING					\$4,000
	840-160		FLOW TESTING					ψ-τ,υυυ
	840-165		COMPLETE FLUID-FRESH WTR					\$310
	840-167		COMPLETE FLUID-BRINE					
	840-175		WELLSITE SUPERVISION					\$1,400
	840-180		OVERHEAD					
	840-195		P&A/TA COSTS	<b>T</b>				A
	860-030		DRODUCTION CACING	Total Intangible				\$14,558
	860-030		PRODUCTION CASING PRODUCTION LINER	+				
	860-040		PRODUCTION LINER PRODUCTION TUBING	+				
	860-041		GAS PIPELINE					
	860-042		WATER PIPELINE					
	860-043		OIL PIPELINE					
	860-045		WELLHEAD EQUIPMENT					\$16,661
	860-060		SUBSURFACE EQUIPMENT					005.50
sts	860-065		SURFACE EQUIPMENT					\$25,000
l angible Costs	860-080 860-085		WELLSITE COMPRESSION PUMPING UNIT & MOTOR	+				
DIG	860-086		RODS	+				
-Bui	860-090		NIPPLE/VALVE/FITTING/FLO	1				\$60,000
<u> </u>	860-100		METERING EQP/TELE					\$25,000
	860-110		TANK STAIRS & WALKWAYS					\$40,000
	860-115		SEPARATORS & TREATERS					\$45,000
	860-120		STRUCTURES & INSULATION					
	860-125		SIGNAGE					<b>***</b>
	860-150		BUILD BATTERY	+				\$110,000
	860-155 860-175		POWER INSTALLATION	+			<u> </u>	\$25,000 \$1,000
	860-175		SUPERVISION CONTINGENCY	+			\$1,000	\$1,000
	220 270		CONTINGENCT	Total Tangible			\$1,000	\$347,661
				Total Tangible Total Daily & Cum Cost	 S		\$1,000	\$362,219
			www.wellez.com	WellEz Information Manag		4ba	<b>\$1,500</b>	7002,213
				simalon wanag	,			



Well Name: RK-UTL 3031B-17-1H

.la	gged		DAILY COMPLETION	IS DEDODT		AFE #:				
D			DAILY COMPLETION	NO REPORT		Report Date:	10/26/20	016		
EN	ERGY					Operation:	Comple	tion		
Field:	ERGI	Oct	ober 26, 2016	Rig Name:		Орогологи	·	Report #:	7	
ocatio	on:		UTL 3031B-17-1H	Supervisor:				Daily Cost:	<u> </u>	
County	<i>r</i> :	Wai	rd	Phone:	303-	475-5655		Cum Job:	\$362,2	19
State:		TX		Email:	rkerr	r@dtcenergygroup.co		Job AFE:		
		Enic Flor	ctric and Midway both on job finalizing in	Total Well AFE:	etrical			Cum Well Cost:	\$3,155,	281
24 Hr	Summary:	Epic Elec	ctric and ivildway both on job linalizing in	stalls of equipment and ele	ctrical.					
24	Hr Plan	Continue	with install of piping on vessels, set trar	nsfer and recirc pumps, sta	rt on ga	as meter runs, clear p	ad and se	t flare/combuster.	Continue w	ith electrical
	orward:	conduit r	uns in facility							
Inc	idents:		JPE Pers:			Pers: Midway, Epic	Electric	Conditions:		
				Critical Comme	nts					
				Time Breakdow	/n					
	y Summary	ì	· 6:00am)		· · · ·					9.5 HRS
From	То	Hrs	8:00- 16:30 Midway-two crews plumbir	ng treater, fwko and gas me		nmary IS.				
9:00	17:30	9.5	8:00-17:30 Epic Electric-one crew insta	alling conduit runs inside fa	cility to	pump locations and	vessel cor	ntrols.		
8:00	17.30	9.5								
		1	I.	0 1 0						
				Cost Sum	mar	У				
	Code		Description			Comments			Daily	Cum.
	840-030 840-045		ROAD,LOCATIONS  NON-RETRIEVABLE PLUGS							
	840-060		HOT OILER							
	840-065		FUEL, POWER							
	840-070		EQUIPMENT RENTAL							
	840-071 840-072		HOT SHOT TRUCKING  JPE OWNED EQUIP RENTAL							
	840-100		CEMENT SERV/ FLOAT EQUIP							
ts	840-110		CASING CREW & EQPT							
Intangible Costs	840-115		FLOWBACK WATER							
<u> </u>	840-120 840-130		CONTRACT LABOR							\$4,358
ig	840-135		COMPLETION RIG COILED TUBING							
֡֡֓֞֡֓֞֡֡	840-140		CASED HOLE LOGS & SURVEYS							\$4,490
	840-145		PERFORATING/WIRELINE SERV							
	840-155		ACIDIZING/FRACTURING							\$4,000
	840-160 840-165		FLOW TESTING  COMPLETE FLUID-FRESH WTR							\$310
	840-167		COMPLETE FLUID-BRINE							<del>+</del>
	840-175		WELLSITE SUPERVISION							\$1,400
	840-180 840-195		OVERHEAD PRA/TA COSTS							
	040-195		P&A/TA COSTS	Total Intangible						\$14,558
	860-030		PRODUCTION CASING	, cta. mangiole						¥1-1,000
	860-035		PRODUCTION LINER							
_	860-040		PRODUCTION TUBING							
	860-041 860-042		GAS PIPELINE WATER PIPELINE							
	860-043		OIL PIPELINE							
	860-045		WELLHEAD EQUIPMENT							\$16,661
	860-060		SUBSURFACE EQUIPMENT							
SIS	860-065 860-080		SURFACE EQUIPMENT WELLSITE COMPRESSION							\$25,000
	860-085		PUMPING UNIT & MOTOR							
angible —	860-086		RODS							
an 5	860-090		NIPPLE/VALVE/FITTING/FLO							\$60,000
_	860-100 860-110		METERING EQP/TELE							\$25,000
	860-110		TANK STAIRS & WALKWAYS SEPARATORS & TREATERS							\$40,000 \$45,000
	860-120		STRUCTURES & INSULATION							<b>\$ 10,000</b>
	860-125		SIGNAGE							
	860-150		BUILD BATTERY							\$110,000
	860-155 860-175		POWER INSTALLATION SUPERVISION							\$25,000 \$1,000
	860-275		CONTINGENCY							\$1,000
		<u> </u>		Total Tangible						\$347,661
				Total Daily & Cum Cost	s					\$362,219

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\$43,500

\$33,500 \$25,000

\$1,000

\$223,161

\$288,055

\$50,336

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Well Name: RK-UTL 3031B-17-1H											
Jagged Peak ENERGY			DAILVCOMD	LETIONS	DEDODT		AFE #:				
			DAILY COMP	LE HONS	REPORT		Report Date:	10/28/2	2016		
ENE	RGY						Operation:	Comple	etion		
Field:		0	ctober 28, 2016		Rig Name:				Report #:	8	
Location	:	R	K-UTL 3031B-17-1H		Supervisor:	Nick	Bodily(D)		Daily Cost:	\$50,336	
County:		W	'ard		Phone:	724-	288-6055		Cum Job:	\$288,055	5
ocation: County: State:		T)	X		Email:	ngee	r84@gmail.com		Job AFE:		
24 Hr Summary:					Total Well AFE:				Cum Well Cost:	\$3,081,1	17
24 Hr Sı	ummary:	MIRU									
		MIRU	rac & support								
Incid	ents:			JPE Pers: Jor	n Jaggers Contra	act P	ers: Halliburton, Sv	wift water,	Conditions:		
					Critical Comment	s					
					Time Breakdown						
A -41i4 C	·	(C.00==	C:00am\		Time Breakdown						24.0 HRS
From	To	Hrs	n - 6:00am)			6	nmary				24.0 RKS
FIOIII	10	піъ	All vendors MIRU			Sun	illiary				
6:00	6:00	24.0	HES Prime & PT @ 13,300	O psi							

			All vendors MIRU
6:00	6:00	24.0	HES Prime & PT @ 13,300 psi pop off set 12,425 psi
			Cost Summary

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (stage 2-xx)		
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL		\$45,811	\$45,81
	840-071	HOT SHOT TRUCKING			
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$525
	840-100	CEMENT SERV/ FLOAT EQUIP			
3	840-110	CASING CREW & EQPT			
	840-115	FLOWBACK WATER			
<u> </u>	840-120	CONTRACT LABOR			\$4,35
	840-130	COMPLETION RIG			
	840-135	COILED TUBING			
	840-140	CASED HOLE LOGS & SURVEYS			\$4,49
	840-145	PERFORATING/WIRELINE SERV			
	840-155	ACIDIZING/FRACTURING			\$4,00
	840-160	FLOW TESTING			
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$4,000	\$5,40
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$50,336	\$64,89
	860-030	PRODUCTION CASING			
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$16,66
	860-060	SUBSURFACE EQUIPMENT			
	860-065	SURFACE EQUIPMENT			\$25,00
	860-080	WELLSITE COMPRESSION			
	860-085	PUMPING UNIT & MOTOR			
	860-086	RODS			
	860-090	NIPPLE/VALVE/FITTING/FLO			\$21,50
	860-100	METERING EQP/TELE			\$25,00
	860-110	TANK STAIRS & WALKWAYS			\$32,00
	960 115	OFFIAR ATORON & TREATERS			040.50

Total Tangible

Total Daily & Cum Costs

WellEz Information Management LLC

SEPARATORS & TREATERS
STRUCTURES & INSULATION

SIGNAGE

BUILD BATTERY

POWER INSTALLATION

SUPERVISION

CONTINGENCY

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860-115

860-120 860-125

860-150

860-155

860-175 860-275



Well Name: RK-UTL 3031B-17-1H AFE #: Report Date: 10/29/2016 Operation: Completion

Field:	October 29, 2016	Rig Name:			Report #:	9
Location:	RK-UTL 3031B-17-1H	Supervisor:	Nicki	Bodily(D)	Daily Cost:	\$42,663
County:	Ward	Phone:	724-2	288-6055	Cum Job:	\$330,718
State:	TX	Email:	ngeer	r84@gmail.com	Job AFE:	
		Total Well AFE:			Cum Well Cost:	\$3,123,780

24 Hr Summary: 24 Hr Plan Forward: Frac stage1/perf stage2 JPE Pers: Jon Jaggers Contract Pers: Halliburton, Swift water, Conditions:

Critical Comments Incidents:

Time Breakdown

activity :	Summary	(6:00am	- 6:00am)	24.0 HRS
From	То	Hrs	Summary	
6:00	13:00	7.0	HES swap blenders - primary would not start, determined that the blender would need to be swapped.	
			Prime & PT	
			1st test failed - leak on pump single	
13:00	13:30	0.5	PT @ 13,500 psi good	
13:30	14:00	0.5	Stage 1 - establish injection in well & swap to acid after pumping 75 bbls (stable rate & psi, pressure started to decline). pressure & held, no leak off observed. total of 14 bbl of acid pumped, verified with straps.	spiked to 12,150 p
10.00	14.00	0.0	Bleed psi down & attempt to inject into well with out success.	
			SI & flush surface equipment.	
			Equalize to well psi & flowback acid in well bore, flowed back for 16 mins @ estimated 1.25 bmp - 0.75 bpm until well bleed to 100 flow until acid cleaned up, last sample pulled was 6% acid.	psi, attempted to
14:00	15:30	1.5	now until acid cleaned up. last sample pulled was 6% acid.	
			Pressure well bore and attempt to surge 2 times (surgeon 3 times ea)	
15:30	16:00	0.5	Attempt to inject into well 2 times, max psi 10,850 psi, bleed and surge.	
16:00	16:30	0.5	sucked rubber out while surging, shut in and replace	
16:30	18:00	1.5	Attempted to inject at 10 bmp to get break & surge 4 times. 5th time increased to 10,500 psi and hold for 17 mins.	
18:00	21:00	3.0	Waiting on Welltec to AOL	
21:00	1:00	4.0	Rig up Tractor and guns, HES sent out the wrong amount of subs, had to wait for delivery from Odessa yard	
1:00	6:00	5.0	Pick up LUB, PT LUB, equalize and RIH with tractor to perf stage 2. (40ton crane, operator was not comfortable operating and had from Odessa yard.)	to get approval
1.00	0.00	5.0		

Cost	Summary
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			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (stage 2-xx)		
	840-060	HOT OILER			
	840-065	FUEL, POWER	Delta fuel	\$32,177	\$32,177
	840-070	EQUIPMENT RENTAL		\$5,961	\$51,772
	840-071	HOT SHOT TRUCKING			
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$1,050
Г	840-100	CEMENT SERV/ FLOAT EQUIP			
	840-110	CASING CREW & EQPT			
	840-115	FLOWBACK WATER			
	840-120	CONTRACT LABOR			\$4,358
	840-130	COMPLETION RIG			
	840-135	COILED TUBING			
г	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
Г	840-145	PERFORATING/WIRELINE SERV			
Г	840-155	ACIDIZING/FRACTURING			\$4,000
	840-160	FLOW TESTING			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
F	840-165	COMPLETE FLUID-FRESH WTR			\$310
r	840-167	COMPLETE FLUID-BRINE			70.0
Н	840-175	WELLSITE SUPERVISION		\$4,000	\$9,400
Н	840-180	OVERHEAD		<b>\$1,000</b>	\$0,.00
H	840-195	P&A/TA COSTS			
Н	0.10.100	T WATA COOLS	Total Intangible	\$42,663	\$107,55
Н	860-030	PRODUCTION CASING	Total intangible	\$42,003	\$107,55
$\vdash$	860-035	PRODUCTION CASING  PRODUCTION LINER			
⊢	860-040	PRODUCTION TUBING			
⊩	860-041	GAS PIPELINE			
⊩	860-042	WATER PIPELINE			
H	860-043	OIL PIPELINE			
H	860-045	WELLHEAD EQUIPMENT			\$16,661
H	860-060	SUBSURFACE EQUIPMENT			\$10,001
⊢	860-065				<u>Фог</u> 000
⊩	860-080	SURFACE EQUIPMENT			\$25,000
⊩	860-085	WELLSITE COMPRESSION			
H		PUMPING UNIT & MOTOR			
H	860-086 860-090	RODS			004 500
H	860-100	NIPPLE/VALVE/FITTING/FLO			\$21,500
$\vdash$	860-100	METERING EQP/TELE			\$25,000
$\vdash$	860-115	TANK STAIRS & WALKWAYS			\$32,000
H	860-115	SEPARATORS & TREATERS			\$43,500
⊩	860-125	STRUCTURES & INSULATION			
⊩	860-150	SIGNAGE			000 500
$\vdash$	860-155	BUILD BATTERY			\$33,500
H		POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
⊩	860-275	CONTINGENCY			
			Total Tangible Total Daily & Cum Costs	\$42,663	\$223,16° \$330,718

# Jagged Peak ENERGY

## **DAILY COMPLETIONS REPORT**

Well Name: RK-UTL 3031B-17-1H

AFE #:
Report Date: 10/30/2016

Operation: Completion

ENERGI				•		
Field:	October 30, 2016	Rig Name:			Report #:	10
_ocation:	RK-UTL 3031B-17-1H	Supervisor:	Nicki	Bodily(D)	Daily Cost:	\$116,359
County:	Ward	Phone:	724-2	288-6055	Cum Job:	\$447,076
State:	TX	Email:	ngee	r84@gmail.com	Job AFE:	
		Total Well AFE:			Cum Well Cost:	\$3,240,139

24 Hr Summary:

Perf stage 3 & frac 3

24 Hr Plan
Forward:
Incidents:

JPE Pers: Jon Jaggers
Contract Pers: Halliburton, Swift water, Conditions:

Critical Comments

Time Breakdown

Activity	Summary	(6:00am -	6:00am)	24.0 HRS
From	То	Hrs	Summary	
			Tractor stage 2 guns 9:15 tractor stopeed @ 20,190', PU lin ten @ 20,130' attempt to re start, unsuccessful. 9:20 PU to 19,990', slack in 20,125' (950 lin ten), attempt to re start unsuccessful. 9:26 PU 19,800', slack in 19,815' (955 lin ten), attempt to re start unsuccessful, tractor engaging, but current spikes and shut down 9:45 PU 19,800', slack in 19,681' (925 lin ten), adjust current through tractor & SIH 41' ft/min 10:50 tractor stop @ 21,990', adjust current & SIH @ 18 ft/min 11:00 tractor stop @ 21,950', contact management & decided to PU 30' & attempt re start. 11:04 PU 21,865' & SIH @ 16 ft/min, stop at 21,942' (same spot, appear to be debris in well) 11:10 Adjusted perf to perf spacing & plan to shoot within stage 3 zone.	
6:00	11:30	5.5	PU lin ten @ 21.905'	
			Shoot 21,931' - 21,932' , 21,919' - 21,920' , 21,907' - 21,908'  Showed short gun 4, attempted to shoot 3 times & relax lin ten & shoot. all unsuccessful. Well tech check communication with tractogood communication, verified short in gun string. attempted to shoot gun 5 on neg, dead short.  POPPOPPOPPOPPOPPOPPOPPOPPOPPOPPOPPOPPO	or, all indicators
11:30	14:30	3.0		
			LD lub & disarm guns. verify only 3 guns shot.	
14:20	15,00	0.5	Found to Detonator went off, primer cord did not burn	
14:30	15:00	0.5	HES prime & PT	
			The prime at 1	
15:00	15:30	0.5	2 failed PT, leaks on pumps	
			Open well & establish rate.	
			achieved 8 bmp @ 6400 psi,	
15:30	16:00	0.5	After discussion decision was made to pump min of lateral volume to ensure not further debris was in lateral section	
16:00	16:30	0.5	Pumped 270 bbl @ max 12.5 bpm @ 7400 psi.	
			Well tech released.	
			HES build 7 gun string to RIH to shoot remaining guns & adjust crane	
16:30	17:30	1.0	Pressure control removed 1 joint of lub	
17:30	20:00	2.5	Pick up Lub equalize, WL unable to fall due to not adding weight bar after told to do so. Come off, rehead, add weight bar	
			Pick up Lub, equalize, RIH to perf remaining 7 shots for stage 3. pump down and perf @ 21,895-896, 21,883-884, 21,871-872, 21,859-860, 21,847-848, 21,835-836, 21,823. Avg rate of 11.1bpm ar 12bpm, avg pressure of 7,205psi, max pressure 7,574.	nd max rate of
20:00	23:30	3.5	WL ooh prep to frac stage 3.	
23:30	0:00	0.5	PT to 13,200 good	
0:00	1:00	1.0	Start stage 3 of frac, s/d @ 12:15, pop off blew, discovered it to be washed. swap for replacement and resume stage @ 1AM HES NPT	·
1:00	4:00	3.0	Resume treatment of stage 3, all frac info filled out in stage tracking summary sent to Denver.	
			WL unable to lift tool string into lubricator with additional weight bar due to the limits of the 40ton crane, lay down gun string, remove rehead.	weight bar and
4:00	6:00	2.0	Irelieau.	
	I	1		

Cost S	Summary
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	Code	Description	Comments	Daily	Cum.
Г	840-030	ROAD,LOCATIONS			
Н	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea ()		
Н	840-060	HOT OILER	, 120 h 130 h 1 1 1 1		
г	840-065	FUEL, POWER	Delta fuel	\$3,420	\$35.59
Н	840-070	EQUIPMENT RENTAL		\$5,961	\$57,73
г	840-071	HOT SHOT TRUCKING		45,55	40.,
г	840-072	JPE OWNED EQUIP RENTAL		\$525	\$1,575
Г	840-100	CEMENT SERV/ FLOAT EQUIP		,,,,	
Г	840-110	CASING CREW & EQPT			
Г	840-115	FLOWBACK WATER			
Г	840-120	CONTRACT LABOR			\$4,358
Г	840-130	COMPLETION RIG			
Г	840-135	COILED TUBING			
Г	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
Г	840-145	PERFORATING/WIRELINE SERV		\$26,000	\$26,00
Г	840-155	ACIDIZING/FRACTURING		\$76,453	\$80,45
Г	840-160	FLOW TESTING			
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
Г	840-175	WELLSITE SUPERVISION		\$4,000	\$13,40
	840-180	OVERHEAD			
Г	840-195	P&A/TA COSTS			
Г			Total Intangible	\$116,359	\$223,9
Г	860-030	PRODUCTION CASING			
Г	860-035	PRODUCTION LINER			
Г	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$16,66
	860-060	SUBSURFACE EQUIPMENT			
	860-065	SURFACE EQUIPMENT			\$25,00
L	860-080	WELLSITE COMPRESSION			
	860-085	PUMPING UNIT & MOTOR			
L	860-086	RODS			
	860-090	NIPPLE/VALVE/FITTING/FLO			\$21,50
L	860-100	METERING EQP/TELE			\$25,00
L	860-110	TANK STAIRS & WALKWAYS			\$32,00
L	860-115	SEPARATORS & TREATERS			\$43,50
L	860-120	STRUCTURES & INSULATION			
L	860-125	SIGNAGE			
L	860-150	BUILD BATTERY			\$33,50
L	860-155	POWER INSTALLATION			\$25,00
L	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			
			Total Tangible		\$223,16
			Total Daily & Cum Costs	\$116,359	\$447,07



Well Name: RK-UTL 3031B-17-1H AFE #: Report Date: 10/31/2016 **Operation:** Completion

Field:	October 31, 2016	Rig Name:		Report #:	11
Location:	RK-UTL 3031B-17-1H	Supervisor:	Nicki Bodily(D)	Daily Cost:	\$140,645
County:	Ward	Phone:	724-288-6055	Cum Job:	\$623,855
State:	TX	Email:	ngeer84@gmail.com	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$3,416,917

rac stage 4-5 & P&P stage 4-6 24 Hr Summary: Continue Frac / P&P operations Incidents: JPE Pers: Jon Jaggers Contract Pers: Halliburton, Swift water, Conditions: Critical Comments

#### Time Breakdown

24.0 HRS Activity Summary (6:00am - 6:00am) Summary

RU WL to perf stage #4. Pump guns down to depth. Set CFP @ 21,813'. Perforate 21,800-801 , 21,781-782 , 21,762-763 , 21,743-744 , 21,724-725 21,705-706 , 21,686-687 , 21,667-668 , 21,648-649 , 21,629-630. (4 SPF, 60 deg phasing, .40" EH, 40 total holes). AR 11.8 bpm / Max 12.2 bpm. AF 7150 psi/ Max 6875 psi. Hrs From To 6:00 9:00 HES prime & PT to 13,200 psi. attempt to PT elite, NPT 0.25 hrs 9:30 9:00 0.5 Stage #4 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design, no biovert. BLTR – 632,222 gals / CTD BLTR – 1,318,690 gals. AR 75 bpm / AP 10,147 psi.

Load gun string into Lubricator. NU lub to WH. Equalize lub 9:30 13:30 4.0 WL RIH to P&P stage 5. Lost communication with CCL @ 4500'. POOH to determine issue 13:30 15:00 WL NPT 1430-16:45, due to loss of communication with CCL. Found to be short in the rope socket, cut 100' line & re head. Load gun string into Lubricator. NU lub to WH. Equalize lub 15:00 16:30 RU WL to perf stage #5. Pump guns down to depth. Set CFP @ 21,610'. Perforate 21,610-611 , 21,591-592 , 21,572-573 , 21,553-554 , 21,534-535 515-516 , 21,496-497 , 21,477-478 , 21,458-459 , 21,439-430'. (4 SPF, 60 deg phasing, .40" EH, 40 total holes). AR 10.2 bpm / Max 10.7bpm. AP 6,132 psi/ Max 6,360psi. 16:30 19:30 Frac swap pump for computer issues. multiple PT failed for biovert pump PT good to 13,200 19:30 21:30 2.0 Stage #5Frac. All Frac details are updated on job tracking & sent to Denver post job. Stage cut short due to pressure inflections BLTR – 405,246 gal / CTD BLTR – 1,741,819 gals. AR 75 bpm / AP 10,147 psi.

Load gun string into Lubricator. NU lub to WH. Equalize lub 21:30 0:00 2.5 0:00 0:30 0.5 RU WL to perf stage #6. Pump guns down to depth. Set CFP @ 21,430'. Perforate 21,420-421, 21,401-402, 21,382-383, 21,363-364, 21,344-345, 21,325-326, 21,306-307, 21,287-288, 21,268-269, 21,249-250'. (4 SPF, 60 deg phasing, .40" EH, 40 total holes). AR 8.9 bpm / Max 9.4bpm. AP 6,132 psi/ Max 6,345psi. 0:30 3:30 3.0 1st PT failed due to leak on iron HES prime & PT to 13,200 psi 3:30 4:30 Frac stage 6 4:30 6:00 1.5

╧			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (4-6)	\$4,800	\$4,800
	840-060	HOT OILER			
	840-065	FUEL, POWER	Delta fuel		\$35,59
	840-070	EQUIPMENT RENTAL		\$5,961	\$63,69
	840-071	HOT SHOT TRUCKING			
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$2,100
	840-100	CEMENT SERV/ FLOAT EQUIP			
_	840-110	CASING CREW & EQPT			
	840-115	FLOWBACK WATER			
L	840-120	CONTRACT LABOR		\$1,200	\$5,558
	840-130	COMPLETION RIG			
	840-135	COILED TUBING			
	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$12,000	\$38,00
	840-155	ACIDIZING/FRACTURING		\$112,159	\$193,04
	840-160	FLOW TESTING			
_	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$4,000	\$17,40
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$140,645	\$364,99
	860-030	PRODUCTION CASING			
	860-035	PRODUCTION LINER			
Г	860-040	PRODUCTION TUBING			
Г	860-041	GAS PIPELINE			
Г	860-042	WATER PIPELINE			
Г	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$16,66
	860-060	SUBSURFACE EQUIPMENT			
	860-065	SURFACE EQUIPMENT			\$25,00
	860-080	WELLSITE COMPRESSION			
Г	860-085	PUMPING UNIT & MOTOR			
_	860-086	RODS			
Г	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,20
	860-100	METERING EQP/TELE			\$25,00
Г	860-110	TANK STAIRS & WALKWAYS			\$32,00
Т	860-115	SEPARATORS & TREATERS			\$43,50
r	860-120	STRUCTURES & INSULATION			<b>V</b> 10,00
Т	860-125	SIGNAGE			
_	860-150	BUILD BATTERY			\$33,50
Т	860-155	POWER INSTALLATION			\$25,00
r	860-175	SUPERVISION			\$1,000
H	860-275	CONTINGENCY			Ψ1,000
_		1 CONTINUE NOT	Total Tangible		\$258,86
			Total Daily & Cum Costs	\$140,645	\$623,85
_			rotal Dally & Guill Gosts	\$140,045	φυ <b>∠</b> υ,00



Well Name: RK-UTL 3031B-17-1H

AFE #:

Report Date: 11/01/2016

**Operation:** Completion

Field:	November 1, 2016	Rig Name:		Report #:	12
Location:	RK-UTL 3031B-17-1H	Supervisor:	Nicki Bodily(D)	Daily Cost:	\$261,670
County:	Ward	Phone:	724-288-6055	Cum Job:	\$902,158
State:	TX	Email:	ngeer84@gmail.com	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$3.695.220

24 Hr Summary: Frac stage 6-8 / P&P stage 7-9

24 Hr Plan Forward: Uncidents: JPE Pers: Jon Jaggers Contract Pers: Halliburton, Swift water, Conditions: Critical Comments

#### Time Breakdown 24.0 HRS Activity Summary (6:00am - 6:00am) Summary Stage #6 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped deviated from design. BLTR – xx gals / CTD BLTR – XX gals. AR 70 bpm / AP 9917 psi. From To Hrs Load gun string into Lubricator. NU lub to WH. Equalize lub 9:00 9:30 0.5 RU WL to perf stage #7. Pump guns down to depth. Set CFP @ 21,240'. Perforate 21,230-231 , 21,211-212 , 21,192-193 , 21,173-174 , 21,154-155 21,134-135 , 21,113-114 , 21,097-098 , 21,078-079 , 21,059-060'. (4 SPF, 60 deg phasing, .40" EH, 40 total holes). AR 9.8 bpm / Max 10.1 bpm. AP 7637 psi/ Max 7803 psi. 13:00 9:30 3.5 GE grease stack, place hydraulic hose & fitting on UMV. 13:00 14:00 1.0 Stage #7 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job deviated from design due to pressure. BLTR – 432,877 ga / CTD BLTR – 2,877,932gals. AR 63 bpm / AP 10,400psi. 14:00 18:00 4.0 Load gun string into Lubricator. NU lub to WH. Equalize lub, issues falling due to high psi 18:00 19:00 1.0 RU WL to perf stage #8. Pump guns down to depth. Set CFP @ 21,050°. Perforate 21,040-041, 21,021-022, 21,002-003, 20,983-984, 20,964-965, 20,945-946, 20,926-927, 20,907-908, 20,888-889, 20,869-870. (4 SPF, 60 deg phasing, .40" EH, 40 total holes). AR 8.8 bpm / Max 9 bpm. AP 8,622 psi/ Max 8,884 psi. 19:00 23:30 Stage #8 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job deviated from design due to pressure. BLTR – 663,973 ga / CTD BLTR – 3,578,898 gals. AR 57 bpm / AP 9,795 psi. Load gun string into Lubricator. NU lub to WH. Equalize lub, issues falling due to high psi 23:30 4:30 5.0 0.5 4:30 5:00 WL to perf stage #9. Pump guns down to depth. Set CFP @ 20,860'. Perforate 20,850-851, 20,831-832, 20,812-813, 20,793-794, 20,774-775, 20,736-737, 20,717-718, 20,698-699, 20,679-680'. (4 SPF, 60 deg phasing, .40" EH, 40 total holes). AR 9.2 bpm / Max 9.8 bpm. AP 7251 psi/ Max 8059 psi. 5:00 6:00

	<b>Cost Summary</b>
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	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS		,	
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (7-9)	\$4,800	\$9,600
	840-060	HOT OILER			. ,
	840-065	FUEL, POWER	Delta fuel	\$30,677	\$82,907
	840-070	EQUIPMENT RENTAL		\$5,961	\$69,655
	840-071	HOT SHOT TRUCKING			
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$2,625
	840-100	CEMENT SERV/ FLOAT EQUIP			
	840-110	CASING CREW & EQPT			
3	840-115	FLOWBACK WATER			
	840-120	CONTRACT LABOR			\$5,558
<u> </u>	840-130	COMPLETION RIG			. ,
<u>"</u>	840-135	COILED TUBING			
	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$12,000	\$50,000
	840-155	ACIDIZING/FRACTURING		\$203,707	\$396,752
	840-160	FLOW TESTING		<del></del>	<b>4</b> 000,
r	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			70.0
H	840-175	WELLSITE SUPERVISION		\$4,000	\$21,400
┢	840-180	OVERHEAD		<b>V</b> 1,000	<b>4</b> 2.7, 100
	840-195	P&A/TA COSTS			
H		1 411 11 00010	Total Intangible	\$261,670	\$643,29
T	860-030	PRODUCTION CASING		, , , , , , , , , , , , , , , , , , ,	<b>40.10,20</b>
	860-035	PRODUCTION LINER			
┢	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$16,661
┢	860-060	SUBSURFACE EQUIPMENT			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	860-065	SURFACE EQUIPMENT			\$25,000
r	860-080	WELLSITE COMPRESSION			,,
r	860-085	PUMPING UNIT & MOTOR			
┢	860-086	RODS			
┢	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200
r	860-100	METERING EQP/TELE			\$25,000
r	860-110	TANK STAIRS & WALKWAYS			\$32,000
r	860-115	SEPARATORS & TREATERS			\$43,500
r	860-120	STRUCTURES & INSULATION			, , , , , , ,
	860-125	SIGNAGE			
r	860-150	BUILD BATTERY			\$33,500
	860-155	POWER INSTALLATION			\$25,000
r	860-175	SUPERVISION			\$1,000
H	860-275	CONTINGENCY			Ψ1,000
	000 2.0	CONTINUE NOT	Total Tangible		\$258,86
			Total Daily & Cum Costs	\$261,670	\$250,00
			LIOTAL DAILY & CUM COSTS	3261.670	i 5902.15



Well Name: RK-UTL 3031B-17-1H AFE #: Report Date: 11/02/2016 Operation: Completion

Daily

\$1,600

Cum. \$11,200

Field:	November 2, 2016	Rig Name:		Report #:	13
Location:	RK-UTL 3031B-17-1H	Supervisor:	Nicki Bodily(D)	Daily Cost:	\$177,374
County:	Ward	Phone:	724-288-6055	Cum Job:	\$1,079,532
State:	TX	Email:	ngeer84@gmail.com	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$3,878,982

24 Hr Summary:	Frac stage 9-10						
24 Hr Plan Forward:	Continue with Frac / P&P operations						
Incidents:		IPF Pars	Jon Jaggers	Contract Pers	Halliburton, Swift water,	Conditions:	
moidents.		U. L. 1 CI S.			i idiiburtori, Owiit water,	Conditions.	
	Critical Comments						

Time Breakdown

Activity S	Summary	(6:00am	- 6:00am) 24.0 HRS
From	То	Hrs	Summary
6:00	7:30	1.5	WL POOH stage 9
			HES PT failed, leak on 3" riser & single on pump
			8:30 - drop ball while waiting for HES to fix leaks & trouble shoot communication lag with pumps & data van
7:30	10:00	2.5	PT @ 9:45 good
10:00	14:30	4.5	Stage #9 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 716,831 gals / CTD BLTR 4,304,592 gals. AR 74 bpm / AP 10.343 psi.
14:30	15:30	1.0	Load gun string into Lubricator. NU lub to WH. Equalize lub
			RU WL to perf stage #10. Pump guns down to depth. Set CFP @ 20,666'. Perforate 20,656-657, 20,641-642, 20,622'-623, 20,603'-604, 20,581-582, 20,565-566, 20,546-547, 20,527-528, 20,508-509, 20,489-490'. (4 SPF, 60 deg phasing, .40" EH, 40 total holes). AR 9.4 bpm / Max 9.7 bpm. AP 8236 psi/ Max 9307 psi. PU & tag plug,
15:30	16:30	1.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
16:30	19:00	2.5	PT to 13,200psi, good
19:00	0:00	5.0	Stage # Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 721,381 gals / CTD BLTR - 5,044,325gals. AR 63bpm / AP 9,824 psi.
0:00	0:30	0.5	Load gun string into Lubricator. NU lub to WH. Equalize lub
0:30	3:00	2.5	attempt to pump WL down failed, pressured out at 9,500psi 6bpm. WL pooh to inspect gun string and plug.
3:00	3:30	0.5	attempt injection test on well. pressured up to 9,500psi at 3bpm, pressure very slowly bleeding off.
3:30	6:00	2.5	Welltec contacted and mobilized.
5.50	3.00		

		Cost Summary	
Code	Description	Comments	Γ
840-030	ROAD,LOCATIONS		Γ
840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (10)	
840-060	HOT OILER		Γ
0.40,005			T

S40-070		0.40			. ,	. ,
### ### ### ### ######################				D. W. C. I.		400.00=
## ## ## ## ## ## ## ## ## ## ## ## ##			,	Delta fuel		\$82,907
Section   Sect					\$5,961	\$75,616
840-100   CEMENT SERV FLOAT FOUND   CASING CREW & EOPT						
840-110					\$525	\$3,150
Section   Sect						
840-145   PERFORATINGWIRELINE SERV   \$4,000   \$54,000   \$54,000   \$54,000   \$4,000   \$54,000   \$54,000   \$64,000	sts					
840-145   PERFORATINGWIRELINE SERV   \$4,000   \$54,000   \$54,000   \$54,000   \$4,000   \$54,000   \$54,000   \$64,000	Š					
840-145   PERFORATINGWIRELINE SERV   \$4,000   \$54,000   \$54,000   \$54,000   \$4,000   \$54,000   \$54,000   \$64,000	<u>e</u>		CONTRACT LABOR			\$5,558
840-145   PERFORATINGWIRELINE SERV   \$4,000   \$54,000   \$54,000   \$54,000   \$4,000   \$54,000   \$54,000   \$64,000	gig		COMPLETION RIG			
840-145   PERFORATINGWIRELINE SERV   \$4,000   \$54,000   \$54,000   \$54,000   \$4,000   \$54,000   \$54,000   \$64,000	tan		COILED TUBING			
840-155	드		CASED HOLE LOGS & SURVEYS			\$4,490
840-160		840-145	PERFORATING/WIRELINE SERV		\$4,000	\$54,000
840-165		840-155	ACIDIZING/FRACTURING		\$161,288	\$558,040
840-167   COMPLETE FLUID-BRINE   840-175   WELLSITE SUPERVISION   \$4,000   \$25,41		840-160	FLOW TESTING			
840-175   WELLSITE SUPERVISION   \$4,000   \$25,41		840-165	COMPLETE FLUID-FRESH WTR			\$310
840-180   OVERHEAD   840-195   P&A/TA COSTS   Total Intangible   \$177,374   \$820,6		840-167	COMPLETE FLUID-BRINE			
B80-195   P8A/TA COSTS   Total Intangible   \$177,374   \$820,6		840-175	WELLSITE SUPERVISION		\$4,000	\$25,400
Second   PRODUCTION CASING		840-180	OVERHEAD			
Second   Production Casing   Second		840-195	P&A/TA COSTS			
Second   PRODUCTION CASING   Second				Total Intangible	\$177,374	\$820,671
SECOND   PRODUCTION LINER   SECOND		860-030	PRODUCTION CASING			
SECOND   PRODUCTION TUBING   SECOND						
Second   Gas Pipeline   Second   Seco		860-040				
860-042   WATER PIPELINE   860-043   OIL PIPELINE   860-043   OIL PIPELINE   \$16,66		860-041				
Section   Sect		860-042				
860-045   WELLHEAD EQUIPMENT   \$16.60		860-043				
860-060   SUBSURFACE EQUIPMENT   \$25,00		860-045				\$16,661
Section   Surface Equipment   Section   Sect		860-060				
Section   Sect		860-065				\$25,000
Section   Sect	sts					<b>\$20,000</b>
Section   Sect	ပိ					
Section   Sect	ple					
Section   Sect	ngi					\$57,200
860-110	Τa					\$25,000
860-115   SEPARATORS & TREATERS   \$43,50						\$32,000
860-120   STRUCTURES & INSULATION   860-125   SIGNAGE						
860-125   SIGNAGE						Ψ+0,000
860-150   BUILD BATTERY   \$33,50						
860-155   POWER INSTALLATION   \$25,00						\$33,500
860-175   SUPERVISION   \$1,00						\$25,000
860-275   CONTINGENCY						
Total Tangible   \$258,8     Total Daily & Cum Costs   \$177,374   \$1,079,						φ1,000
Total Daily & Cum Costs \$177,374 \$1,079,		000-273	CONTINGENCY	Total Tanaible		\$050 004
····					A :	
www.wellez.com WellEz Information Management LLC ver. 1.14.14bg					\$177,374	\$1,079,532
WWW.World.com Vollez Information Management 2E0 Vol. 1.1-1.1-159			www.wellez.com	WellEz Information Management LLC ver_1.14.14bg		



Well Name: RK-UTL 3031B-17-1H

AFE #:
Report Date: 11/03/2016
Operation: Completion

Field:	November 3, 2016	Rig Name:		Report #:	14
Location:	RK-UTL 3031B-17-1H	Supervisor:	Nicki Bodily(D)	Daily Cost:	\$32,486
County:	Ward	Phone:	724-288-6055	Cum Job:	\$1,112,018
State:	TX	Email:	ngeer84@gmail.com	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$3,911,468

24 Hr Summary: Perf stage 11 / frac 11-xx

24 Hr Plan Forward: Incidents: JPE Pers: Jon Jaggers Contract Pers: Halliburton, Swift water, Conditions: Critical Comments

## Time Breakdown

Activity S	Activity Summary (6:00am - 6:00am)					
From	То	Hrs	Summary			
			LD lub & add 8' sick to make room for tractor			
			Adjust crane for adjusted length			
6:00	8:00	2.0	build 10 gun string with red dets			
8:00	9:30	1.5	Wait for well tech to AOL			
9:30	12:30	3.0	Well tech trouble shoot tractor, communications check good			
12:30	13:00	0.5	HES wire guns. PU lub & equalize to RIH stage 11			
13:00	19:00	6.0	14:05 Correlation at liner top 14:25 @ 11,900' start tractor - 40 ft/min 19:00 20,470 begin shooting guns. only indication of first 2 shots fired, pooh			
19:00	4:00	9.0	WL ooh, only first 2 guns fired. rehead and build 8 gun tool string. established an injection rate with frac, 7bpm @ 7000psi			
			RIH w/ WL & CCL stop reading @ 1500'			
4:00	5:30	1.5	POOH & Cut 200" line & re head			
5:30	6:00	0.5	Equalize lub & RIH			

	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS		•	
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (12-xx)		\$11,200
	840-060	HOT OILER			, , , , ,
	840-065	FUEL, POWER	Delta fuel		\$82,907
	840-070	EQUIPMENT RENTAL		\$5,961	\$81,577
	840-071	HOT SHOT TRUCKING			
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$3,675
	840-100	CEMENT SERV/ FLOAT EQUIP			
<u>د</u>	840-110	CASING CREW & EQPT			
Intangible Costs	840-115	FLOWBACK WATER			
<u>ه</u> ا	840-120	CONTRACT LABOR			\$5,558
<u> </u>	840-130	COMPLETION RIG			
an an	840-135	COILED TUBING			
<u>፭</u>	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$22,000	\$76,000
	840-155	ACIDIZING/FRACTURING			\$558,040
	840-160	FLOW TESTING			
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$4,000	\$29,400
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$32,486	\$853,157
	860-030	PRODUCTION CASING			
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$16,661
	860-060	SUBSURFACE EQUIPMENT			
,	860-065	SURFACE EQUIPMENT			\$25,000
	860-080	WELLSITE COMPRESSION			
	860-085	PUMPING UNIT & MOTOR			
	860-086	RODS			
' <u> </u>	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200
	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$33,500
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			
			Total Tangible		\$258,861
			Total Daily & Cum Costs	\$32,486	\$1,112,018
					, , , , , , , , , , , , , , , , , , , ,



Well Name: RK-UTL 3031B-17-1H AFE #: Report Date: 11/04/2016 Operation: Completion

ENERGY				-	•		
Field:	November 4, 2016	Rig Name:				Report #:	15
Location:	RK-UTL 3031B-17-1H	Supervisor:	Nicki	Bodily(D)		Daily Cost:	\$153,346
County:	Ward	Phone:	724-2	288-6055		Cum Job:	\$1,265,364
State:	TX	Email:	ngee	r84@gmail.com		Job AFE:	
		Total Well AFE:				Cum Well Cost:	\$4,076,215

24 Hr Summary:

Tractor guns stage 11, frac stage 11, P&P stage 12 24 Hr Plan Forward:

JPE Pers: Jon Jaggers Contract Pers: Halliburton, Swift water, Conditions:

Critical Comments Incidents:

#### Time Breakdown

Activity	Summary	(6:00am -	- 6:00am)	19.0 HRS
From	То	Hrs	Summary	
			Attempt to pump guns down, increased rate to 7 bmp and trip pumps	
			Pull up and attempt 2nd time, moving at 6 bpm tool slowed, increased rate to 7 bmp & tripped pumps.	
6:00	8:30	2.5	POOH to RIH with tractor	
			Prep for tractor run	
			WL reheat 2X	
8:30	11:30	3.0	Wait for storm to pass prior to MU guns to tractor	
11:30	12:00	0.5	Load gun string into Lubricator. NU lub to WH. Equalize lub	
12:00	19:00	7.0	RU WL to perf stage #11. Tractor guns down to depth. Perforate 20,432-433, 20,413-414, 20,394-395, 20,375-376, 20,356-357, 20,218-319, 20,299-300'. (4 SPF, 60 deg phasing, .40" EH, 40 total holes).	,337-338 ,
19:00	19:30	0.5	WL ooh with tractor asf, prep to frac PT good at 13,300psi	
19:30	0:30	5.0	Frac stage 11, all frac details are sent post job to Denver via tracking summary.	
0:30	1:00	0.5	Load gun string into Lubricator. NU lub to WH. Equalize lub	
			RU WL to perf stage #12. pump plug and guns down to depth. plug set, 20,290 Perforate 20,280-281, 20,261-262, 20,242-243, 20,223 20,204-205, 20,185-186, 20,166-167, 20,147-148, 20,128-129, 20,109-110'. (4 SPF, 60 deg phasing, .40" EH, 40 total holes) avg rate 10bpm, avg pressure 6,645psi, max pressure 7,051psi.	
1:00			Toubill, and pressure 0,043psi, max pressure 7,051psi.	

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (12)	\$1,600	\$12,800
	840-060	HOT OILER			
	840-065	FUEL, POWER	Delta fuel	\$18,474	\$101,381
	840-070	EQUIPMENT RENTAL		\$5,961	\$87,538
	840-071	HOT SHOT TRUCKING			
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$4,200
	840-100	CEMENT SERV/ FLOAT EQUIP			
.	840-110	CASING CREW & EQPT			
	840-115	FLOWBACK WATER			
  -  -  -	840-120	CONTRACT LABOR			\$5,558
	840-130	COMPLETION RIG			70,000
	840-135	COILED TUBING			
r	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
H	840-145	PERFORATING/WIRELINE SERV		\$39,500	\$115,500
H	840-155	ACIDIZING/FRACTURING		\$83,286	\$641,326
H	840-160	FLOW TESTING		ψ00,200	ψ0+1,520
H	840-165	COMPLETE FLUID-FRESH WTR			\$310
H	840-167	COMPLETE FLUID-BRINE			\$310
H	840-175	WELLSITE SUPERVISION		£4.000	¢22.400
H	840-180	OVERHEAD		\$4,000	\$33,400
H	840-195				
H	840-195	P&A/TA COSTS			
+	860-030	DDODLIGTION OAGING	Total Intangible	\$153,346	\$1,006,50
H		PRODUCTION CASING			
H	860-035	PRODUCTION LINER			
H	860-040	PRODUCTION TUBING			
H	860-041	GAS PIPELINE			
H	860-042	WATER PIPELINE			
L	860-043	OIL PIPELINE			
L	860-045	WELLHEAD EQUIPMENT			\$16,661
L	860-060	SUBSURFACE EQUIPMENT			
L	860-065	SURFACE EQUIPMENT			\$25,000
L	860-080	WELLSITE COMPRESSION			
L	860-085	PUMPING UNIT & MOTOR			
L	860-086	RODS			
L	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200
L	860-100	METERING EQP/TELE			\$25,000
L	860-110	TANK STAIRS & WALKWAYS			\$32,000
L	860-115	SEPARATORS & TREATERS			\$43,500
L	860-120	STRUCTURES & INSULATION			
L	860-125	SIGNAGE			
L	860-150	BUILD BATTERY			\$33,500
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
r		CONTINGENCY			
F	860-275				1
	860-275		Total Tangible		\$258,861



860-275

CONTINGENCY

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## **DAILY COMPLETIONS REPORT**

Well Name: RK-UTL 3031B-17-1H AFE #: Report Date: 11/05/2016

\$258,861

\$1,564,004

\$290,089

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ENERGY				Operation:	Comple	tion	
Field:	November 5, 2016	Rig Name:				Report #:	16
Location:	RK-UTL 3031B-17-1H	Supervisor:	(D)CI	lint Smith		Daily Cost:	\$290,089
County:	Ward	Phone:	724-2	288-6055		Cum Job:	\$1,564,004
State:	TX	Email:	clint.s	smith2014@yahoo.co	m	Job AFE:	
		Total Well AFE:				Cum Well Cost:	\$4,374,855
I From	n otomo 10 11/0// otomo 10 11	·		·		·	·

Frac stsgs 12-14/WL stgs 13-14 24 Hr Summary: Continue Frac and WL operations 24 Hr Plan Forward: Contract Pers: | Halliburton, Swift water, | Conditions: | Incidents: JPE Pers: Jon Jaggers

**Critical Comments** 

Time Breakdown								
Activity	ctivity Summary (6:00am - 6:00am) 24.0 HRS							
From	То	Hrs	Summary					
6:00	8:30	2.5	Frac stage 12, all frac details are sent post job to Denver via tracking summary.					
8:30	12:30	4.0	Load guns and plug in lubricator. NU & Equalize Lubricator. RU WL to perf stage #13. Pump down guns to depth. Set CFP @ 20,100'. Perforat 20,090'-91' 20,071'-72' 20,052'-53' 20,033'-34' 20,014'-15' 19,995'-96' 19,976'-77' 19,957'-58' 19,938'-39' 19,919'-20' . (4 SPF, 60 dephasing, .40" EH, 40 total holes).	te •g				
12:30	13:30	1.0	GE service and grease wellhead					
13:30	21:00	7.5	Frac stage 13, all frac details are sent post job to Denver via tracking summary.					
21:00	0:30	3.5	Load guns and plug in lubricator. NU & Equalize Lubricator. RU WL to perf stage #14. Pump down guns to depth. Set CFP @ 19,910'. Perforat 19,900'-01' 19,881'-82' 19,865'-66' 19,843'-44' 19,824'-25' 19,805'-06' 19,786'-87' 19,767'-68' 19,748'-49' 19,730'-31'. (4 SPF, 6 deg phasing, .40" EH, 40 total holes).					
0:30	6:00	5.5	Frac stage 14, all frac details are sent post job to Denver via tracking summary.					

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (12)	\$3,200	\$16,000
	840-060	HOT OILER			
	840-065	FUEL, POWER	Delta fuel	\$18,474	\$119,858
	840-070	EQUIPMENT RENTAL		\$5,961	\$93,499
	840-071	HOT SHOT TRUCKING			
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$4,725
	840-100	CEMENT SERV/ FLOAT EQUIP			
က္က	840-110	CASING CREW & EQPT			
Sos	840-115	FLOWBACK WATER			
Intangible Costs	840-120	CONTRACT LABOR			\$5,558
ᅙ -	840-130	COMPLETION RIG			
au =	840-135	COILED TUBING			
트	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$8,000	\$132,05
	840-155	ACIDIZING/FRACTURING		\$249,929	\$891,25
	840-160	FLOW TESTING		· · · · · · · · · · · · · · · · · · ·	, , ,
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			40.0
	840-175	WELLSITE SUPERVISION		\$4,000	\$37,400
	840-180	OVERHEAD		7 1,000	70.,
	840-195	P&A/TA COSTS			
			Total Intangible	\$290,089	\$1,305,14
	860-030	PRODUCTION CASING			
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$16,661
	860-060	SUBSURFACE EQUIPMENT			
	860-065	SURFACE EQUIPMENT			\$25,000
, I	860-080	WELLSITE COMPRESSION			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
3  -	860-085	PUMPING UNIT & MOTOR			
	860-086	RODS			
<u> </u>	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200
-	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			Ţ.o,oo
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$33,500
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			Ψ1,000

Total Tangible

Total Daily & Cum Costs

WellEz Information Management LLC



Well Name: RK-UTL 3031B-17-1H

AFE #:

Report Date: 11/06/2016

**Operation:** Completion

Field:	November 6, 2016	Rig Name:		Report #:	17
Location:	RK-UTL 3031B-17-1H	Supervisor:	(D)Clint Smith	Daily Cost:	\$38,161
County:	Ward	Phone:	724-288-6055	Cum Job:	\$1,602,165
State:	TX	Email:	clint.smith2014@yahoo.com	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$4,413,016

24 Hr Summary: Tractor guns and plug to set and perf stg 15, Frac stg. 15

24 Hr Plan Forward: JPE Pers: Jon Jaggers Contract Pers: Halliburton, Swift water, Conditions:

**Critical Comments** 

#### Time Breakdown

Activity Summary (6:00am - 6:00am)
From To Hrs 24.0 HRS Summary

Attempted pump down of guns and plug. Reached 11,955' at 9 bpm before pumps kicked out at 9300 psi. Let pressure fall to 5000 psi. Reattempt pump down walking rate up to 7 bpm before pumps kick out at 9300 psi. Pooh w/WL & gun string. 6:00 9:00 Prep HES to attempt injection rate. Establish rate of 5 bpm. Pressure out. 9:00 10:00 1.0 Wait on Welltech tractors. 10:00 12:30 2.5 Miru Welltec tractors, guns & plug. 14:30 2.0 12:30 Stop work for thunderstorm and lightning. 2.0 16:30 Load Welltec tractor, plug & perf string into lubricator. Nu lubricator & equalize. Open wellhead and rih to tractor guns to perf stage 15. Set CFP @ 19720'. Perforate19,705'-06', 19,691'-92', 19,672'-73', 19,653'-54', 19,634'-35', 19,615'-16', 19,600'-01', 19,577'-78', 19,558'-59', 19,539'-40' (4 SPF, 60 deg phasing, .40" EH, 40 total holes). 14:30 16:30 1:00 8.5 Stage #15 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. Shutdown from 1:30 am to 3:30 am for lightning in vicinity. 1:00 6:00 5.0

	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (12)	\$1,600	\$17,600
	840-060	HOT OILER			
	840-065	FUEL, POWER	Delta fuel		\$119,855
	840-070	EQUIPMENT RENTAL		\$5,961	\$99,460
	840-071	HOT SHOT TRUCKING			
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$5,250
	840-100	CEMENT SERV/ FLOAT EQUIP			
sts	840-110	CASING CREW & EQPT			
ဂ္ဂ	840-115	FLOWBACK WATER			
ntangible Costs	840-120	CONTRACT LABOR			\$5,558
gib	840-130	COMPLETION RIG			
tan	840-135	COILED TUBING			
므	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$26,075	\$158,126
	840-155	ACIDIZING/FRACTURING			\$891,255
	840-160	FLOW TESTING			
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$4,000	\$41,400
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$38,161	\$1,343,305
	860-030	PRODUCTION CASING			
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$16,661
	860-060	SUBSURFACE EQUIPMENT			
ις.	860-065	SURFACE EQUIPMENT			\$25,000
ost	860-080	WELLSITE COMPRESSION			
၁	860-085	PUMPING UNIT & MOTOR			
<u>la</u>	860-086	RODS			
Tangible Costs	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200
_	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$33,500
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			
			Total Tangible		\$258,861
			Total Daily & Cum Costs	\$38,161	\$1,602,165
		www.wellez.com	WellEz Information Management LLC ver_1.14.14bg		



Well Name: RK-UTL 3031B-17-1H

AFE #:

Report Date: 11/07/2016

\$32,000

\$43,500

\$33,500

\$25,000

\$1,000

\$258,861

\$1,888,515

\$244,302

**Operation:** Completion

Field:	November 7, 2016	Rig Name:		Report #:	18
Location:	RK-UTL 3031B-17-1H	Supervisor:	(D)Clint Smith	Daily Cost:	\$244,302
County:	Ward	Phone:	724-288-6055	Cum Job:	\$1,888,515
State:	TX	Email:	clint.smith2014@yahoo.com	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$4,699,365

24 Hr Summary:	Complete stage 15 Frac, Frac stgs 16-17/Perf stgs 16-17							
24 Hr Plan Forward:	Continue with frac operations							
Incidents:	JPE Pers: Jon Jaggers Contract Pers: Halliburton, Swift water, Conditions:							
Critical Comments								

# Time Breakdown Activity Summary (6:00am - 6:00am) 24.0 HRS

Activity S	Summary	(6:00am -	· 6:00am)	24.0 HRS
From	To	Hrs	Summary	
6:00	7:30	1.5	Continue pumping stage 15.	
7:30	11:00	3.5	RU WL to perf stage #16. Pump guns down to depth. Set CFP @ 19,530'. Perforate 19520-522', 19501'-502', 19482'-483', 19463'-464' 19444'-445', 19425'-426', 19406'-407', 19381'-382', 19368'-369', 19349'-350'(4 SPF, 60 deg phasing, .40" EH, 40 total holes). Pump obpm max/6900 max psi. Plug set all shots fired pooh w/tools.	
			HES Prime and Test Equipment	
11:00	12:00	1.0	Repaired Leaks during pressure test.	
12:00	15:30	3.5	Stage #16 Frac. All Frac details are updated on job tracking & sent to Denver post job. Stage not pumped to design due to pressure 2nd cycle with 2.0# on formation.	increases on
15:30	18:30	3.0	RU WL to perf stage #17. Pump guns down to depth. Set CFP @ 19,340'. Perforate 19,330'-331'\(-19,311'-312'\)\(-19,292'-293'\)\(-19,273'-274'\)\(-19,254'-255'\)\(-19,235'-236'\)\(-19,216'-217'\)\(-19,197'-198'\)\(-19,178'-179'\)\(-19,159'\)\(60\) deg phasing, .40" EH, 40 total holes). Pump down rate of 9 bpm max/6900 max psi. Plug set all shots fired pooh w/tools.	-160' (4 SPF,
18:30	21:00	2.5	HES working on pumpsAlso pump electronic issues. 2,5 hrs. of NPT.	
21:00	2:00	5.0	Stage #17 Frac. All Frac details are updated on job tracking & sent to Denver post job.	
2:00	6:00	4.0	RU WL to perf stage #18. Pump guns down to depth. Could not establish pump rate to pump down tool string due to psi. Pull out of h break down psi. Well Tech will have tractor on location about 8 am.	nole and try to

-					
			Cost Summary		
	0-4-			T = "	
	<b>Code</b> 840-030	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS	LIEO - L (\$4000 (40.47)	<b>***</b>	#00.000
	840-060	NON-RETRIEVABLE PLUGS HOT OILER	HES plugs / \$1600 ea (16,17)	\$3,200	\$20,800
	840-065	FUEL, POWER	Delta fuel		\$161,902
	840-003	EQUIPMENT RENTAL	Delta luel	<b>PE 004</b>	
	840-070	HOT SHOT TRUCKING		\$5,961	\$105,421
	840-071	JPE OWNED EQUIP RENTAL		\$525	\$5,775
	840-100	CEMENT SERV/ FLOAT EQUIP		\$525	φ5,775
, n	840-110	CASING CREW & EQPT			
osts	840-115	FLOWBACK WATER			
ပ္	840-120	CONTRACT LABOR			\$5,558
혈	840-130	COMPLETION RIG			ΨΟ,ΟΟΟ
Intangible Costs	840-135	COILED TUBING			
重	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$8,000	\$166,126
	840-155	ACIDIZING/FRACTURING		\$224,216	\$1,115,471
	840-160	FLOW TESTING			· / /
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$2,400	\$43,800
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$244,302	\$1,629,654
	860-030	PRODUCTION CASING			
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$16,661
	860-060	SUBSURFACE EQUIPMENT			
ts	860-065	SURFACE EQUIPMENT			\$25,000
Tangible Costs	860-080	WELLSITE COMPRESSION			
e C	860-085	PUMPING UNIT & MOTOR			
gib	860-086	RODS			
au	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200
_	860-100	METERING EQP/TELE			\$25,000

Total Tangible

Total Daily & Cum Costs

WellEz Information Management LLC

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TANK STAIRS & WALKWAYS

SEPARATORS & TREATERS

STRUCTURES & INSULATION

SIGNAGE BUILD BATTERY

POWER INSTALLATION

SUPERVISION

CONTINGENCY

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860-110

860-115

860-120

860-125

860-150

860-155

860-175

860-275



Well Name: RK-UTL 3031B-17-1H

AFE #:

Report Date: 11/08/2016

Operation: Completion

\$258,861

\$1,928,717

\$14,486

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Field:	November 8, 2016	Rig Name:		Report #:	19
Location:	RK-UTL 3031B-17-1H	Supervisor:	(D)Clint Smith	Daily Cost:	\$14,486
County:	Ward	Phone:	724-288-6055	Cum Job:	\$1,928,717
State:	TX	Email:	clint.smith2014@yahoo.com	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$4,739,568
-		5 11 1 1 1	1 / 1 / 0711		

Tractor run for stage 18. Set plug but could not disengage. Pulled out of rope socket and prepared for CTU.

24 Hr Plan
Forward:
Incidents:

Tractor guns to perf stg. 18

JPE Pers: Jon Jaggers

Contract Pers: Halliburton, Swift water, Conditions:

**Critical Comments** 

			Time Breakdown
Activity \$	Summary (	(6:00am -	- 6:00am) 24.0 HRS
From	То	Hrs	Summary
6:00	7:30	1.5	Flowed well back per communication with nightshift
7:30	10:30	3.0	Wait on location for Welltec tractors.
10:30	13:00	2.5	Prep and rigu tractors perf string and bridge plug.
13:00	13:30	0.5	Load tool string into lubricator; nu lubricator and equalize.
13:30	6:00	16.5	RIH with tools and tractor to 45 deg of the curve. Welltec engage tractor to run guns and plug to depth. Set CBP @ 19,114'. Could not disengage off the CBP. Fired 1st gun and that did not release the toolstring either. Pulled off the rope socket and prepared for CTU.
			†

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (18)	\$1,600	\$22,400
	840-060	HOT OILER			
	840-065	FUEL, POWER	Delta fuel		\$187,619
	840-070	EQUIPMENT RENTAL		\$5,961	\$111,382
	840-071	HOT SHOT TRUCKING			
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$6,300
	840-100	CEMENT SERV/ FLOAT EQUIP			
ts	840-110	CASING CREW & EQPT			
S	840-115	FLOWBACK WATER			
Intangible Costs	840-120	CONTRACT LABOR			\$5,558
<b>≘</b>  _	840-130	COMPLETION RIG			
tan_	840-135	COILED TUBING			
≦ _	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$4,000	\$170,126
	840-155	ACIDIZING/FRACTURING			\$1,115,47
	840-160	FLOW TESTING			
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$2,400	\$46,200
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$14,486	\$1,669,85
	860-030	PRODUCTION CASING			
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$16,661
	860-060	SUBSURFACE EQUIPMENT			
, [	860-065	SURFACE EQUIPMENT			\$25,000
	860-080	WELLSITE COMPRESSION			
-	860-085	PUMPING UNIT & MOTOR			
	860-086	RODS			
	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200
. [	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$33,500
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			. ,

Total Tangible

Total Daily & Cum Costs



Well Name: RK-UTL 3031B-17-1H

AFE #:

Report Date: 11/09/2016

ENERGY			Operation: Cor	mpletion	
Field:	November 9, 2016	Rig Name:		Report #:	20
Location:	RK-UTL 3031B-17-1H	Supervisor:	(D)Clint Smith Nathan Renne	er Daily Cost:	\$235,203
County:	Ward	Phone:	724-288-6055, 307-272-6768	Cum Job:	\$2,182,650
State:	TX	Email:	clint.smith2014@yahoo.com, r	renr Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$4,993,501

24 Hr Summary: Mobilize Conquest coil, R/U coil, P/U BHA, RIH

24 Hr Plan Forward: Incidents: None JPE Pers: Jon Jaggers Contract Pers: Halliburton, Swift water, Conditions: Clear Critical Comments

#### Time Breakdown

Summary (	(6:00am -	- 6:00am)	19.0 HRS
То	Hrs	Summary	
17:30	11.5		
23:00	7.5		
		BHA as follows: 1-7/16" grapple Bumper sub Jars XO Agitator Disconnect BPV Indexing tool Coil connector Total length = 29.25'	
		RIH	
	To 17:30	To Hrs 17:30 11.5	Wait on CTU to arrive & ancillary equipment. Wait on 200 ton crane to get permitted and arrive to location.  Crane stuck & broke down on location  MIRU Conquest coil N/D master, Goat head, & spool N/U BOP & 80' of lubricator  BHA as follows: 1-7/16' grapple Bumper sub Jars XO Agitator Disconnect BPV Indexing tool Coil connector

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (18)		\$22,400
	840-060	HOT OILER			
-	840-065	FUEL, POWER	Delta fuel		\$169,117
	840-070	EQUIPMENT RENTAL		\$14,661	\$126,043
	840-071	HOT SHOT TRUCKING		\$300	\$300
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$6,825
	840-100	CEMENT SERV/ FLOAT EQUIP			
ts	840-110	CASING CREW & EQPT			
Intangible Costs	840-115	FLOWBACK WATER			
<u>e</u>	840-120	CONTRACT LABOR			\$5,558
gig	840-130	COMPLETION RIG			
au	840-135	COILED TUBING		\$44,000	\$44,000
Ξ	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV			\$170,126
	840-155	ACIDIZING/FRACTURING		\$169,117	\$1,321,820
ľ	840-160	FLOW TESTING		\$2,800	\$2,800
İ	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$3,800	\$50,000
ľ	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$235,203	\$1,923,790
	860-030	PRODUCTION CASING			
	860-035	PRODUCTION LINER			
ľ	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$16,661
	860-060	SUBSURFACE EQUIPMENT			
.	860-065	SURFACE EQUIPMENT			\$25,000
Sts	860-080	WELLSITE COMPRESSION			
3	860-085	PUMPING UNIT & MOTOR			
	860-086	RODS			
langible Costs	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200
<u>_</u>	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			,
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$33,500
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			<b>\$.,000</b>
		CONTINUENCE	Total Tangible		\$258,861
			Total Daily & Cum Costs	\$235,203	\$2,182,650



//	M				Well Name: RK-UTL 3031B-17-1H							
nsl.	ned	DAIL V COMPLETIONS DEPORT			AFE #:							
DO		DAILY COMPLETIONS REPORT				Repo	rt Date:	11/10/2	2016			
ENERGY							Ope	eration:	Comple	etion		
ield:		Nov	ember 10, 2016		Rig Name:				•	Report #:	21	
ocation	:	RK-	UTL 3031B-17-1H		Supervisor:	(D)C	lint Smith	Nathan I	Renner	Daily Cost:	-\$140,702	2
county:		War	·d		Phone:	405-	650-2935,	307-272-6	6768	Cum Job:	\$2,041,94	19
State:		TX			Email:	clint.	smith2014	@yahoo.d	om, nren	Job AFE:		
					Total Well AFE:					Cum Well Cost:	\$4,857,17	73
24 Hı	ummary:	·	to get into L/T (no success) to get through L/T to fish trace	ctor								
Incid	ents:	None		JPE Pers: Chr	ris Bairrington, J Cor	ntract P	ers: Hall	iburton, S	wift water,	Conditions: Over	cast	
					Critical Comme	nts						
					Time Breakdov	vn						
ctivity S	Summary (	(6:00am -	6:00am)									24.0 HRS
From	То	Hrs				Sun	nmary					
6:00	7:00	1.0	Complete leak repair atop									
			Drook circulation thru toolo	to flowtonk Drog	ours tost connection	and age	inmont to	0 000 poi	Hold for	Fasia Deced		

	_	(0.00	Time Breakdown	HRS
	Summary	`		HRS
From	То	Hrs	Summary	
6:00	7:00	1.0	Complete leak repair atop master valve. NU coil BOP/Lubricator.	
7:00	8:00	1.0	Break circulation thru tools to flowtank. Pressure test connection and equipment to 8,000 psi. Held for 5 min. Passed	
			OWHP 3830 PSI. RIH to fish tool string.	
8:00	13:00	5.0	Attempt to get through liner top (no success)	
13:00	16:00	3.0	POOH to C/O 3-11/16" over shot for 3-1/8" backed with 3-1/2" stabilizer	
16:00	18:00	2.0	Cut 75' of coil Weld on coil connector Allow time to cool Pull test to 4K Psi test to 8000 psi	
			M/U new BHA as follows: 3-1/8" over shot (.56 smaller OD than previous run) 3-1/2" stabilizer Bumper sub Jars XO Agitator Disconnect BPV Indexing tool (new) Coil connector	
18:00	19:00	1.0		
19:00	21:00	2.0	RIH	
21:00	23:30	2.5	Attempt to get into L/T Increase/ decreased rates Tagged slow & fast Feather & bumped Ran with no pumps as well as 4BPM No success	
23:30	1:30	2.0	POOH	
1:30			L/D BHA Wait on motor, PBL, & XO (PBL & motor on location) M/U BHA to motor Wait on XO	
1:30	6:00	4.5		
			1	

			Coat Summany		
			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (18)		\$22,400
	840-060	HOT OILER			
	840-065	FUEL, POWER	Delta fuel	-\$169,117	
	840-070	EQUIPMENT RENTAL		\$14,746	\$140,789
	840-071	HOT SHOT TRUCKING		\$600	\$900
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$7,350
	840-100	CEMENT SERV/ FLOAT EQUIP			
sts	840-110	CASING CREW & EQPT			
ပ္ပြဲ	840-115	FLOWBACK WATER			
<u>e</u>	840-120	CONTRACT LABOR			\$5,558
lig	840-130	COMPLETION RIG			
ntangible Costs	840-135	COILED TUBING			\$44,000
=	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV			\$170,126
	840-155	ACIDIZING/FRACTURING		\$5,945	\$1,327,764
	840-160	FLOW TESTING		\$2,800	\$5,600
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$3,800	\$53,800
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
		T	Total Intangible	-\$140,702	\$1,783,088
	860-030	PRODUCTION CASING			
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$16,661
	860-060	SUBSURFACE EQUIPMENT			
ts	860-065	SURFACE EQUIPMENT			\$25,000
လို	860-080	WELLSITE COMPRESSION			
Tangible Costs	860-085	PUMPING UNIT & MOTOR			
gib	860-086	RODS			
[au	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200
	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			#00 F00
	860-150	BUILD BATTERY			\$33,500
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			
			Total Tangible		\$258,861

Total Tangible
Total Daily & Cum Costs

on Management LLC

ver\_1.14.14bg

\$258,861 -\$140,702 \$2,041,949



Well Name: RK-UTL 3031B-17-1H

AFE #:

Report Date: 11/11/2016

Operation: Completion

POSK (A)						- 1		1			
PEAKO						Ор	eration	Comple	etion		
Field:		November 11, 2016		Rig Name:					Report #:	22	
Location:		RK-UTL 3031B-17-1H		Supervisor:	(D)	Clint Smith	Nathan	Renner	Daily Cost:	-\$111,981	1
County:		Ward		Phone:	405	-650-2935,	307-272	6768	Cum Job:	\$1,929,96	<del>3</del> 7
State:		TX		Email:	clin	t.smith2014	₽@yahoo.	com, nreni	Job AFE:		
				Total Well AF	E:				Cum Well Co	st: \$4,745,19	92
24 Hr Summary:	RIH	tag fish @ 19033'(coil), Attemp	POOH, No fish, RI	H, Leak on	Injector hea	ad (6.5hrs	NPT on C	onquest)			
24 Hr Plan Forward:	Mak	e 2nd run to fish									
Incidents:	Non	e	JPE Pers:	Chris Bairrington, J	Contract	Pers: Hall	liburton, S	wift water,	Conditions:	Overcast	
				Critical Co	mments						
i											

#### Time Breakdown

ctivity S	Summary (	(6:00am ·	- 6:00am)	24.0 HRS
From	То	Hrs	Summary	
6:00	7:30	1.5	Wait on XO to make up remainder of BHA	
			Finish BHA as follows:	
			3-1/8" over shot w/ 1-7/16" grapple	
			3-1/2" stabilizer XO	
			loc	
			2-7/8" NOV mud motor	
			Agitator PBL	
			PBL	
			Disconnect	
			BPV Coil connector	
			Con Connector	
7:30	8:30	1.0		
			RIH Clean travel through I /T	
			Clean travel through L/T Continue to travel to fish	
			Shut down @ 18505' to drop hall to activate PRI	
			Weight check p/u 40k s/o 24k	
			Weight check p/u 40k s/o 24k Tag fish @ 19033' 15fpm Stack 12k down, p/u to neutral Stack 16k down, p/u to neutral	
			Stack 12k down, p/u to neutral	
			Stack 20k down, p/u to neutral P/U off fish with 54k max weight (14k over p/u weight)	
			P/U off fish with 54k max weight (14k over p/u weight)	
8:30	14:30	6.0		
			POOH through lateral @ 35 fpm	
			No fish Positive indication we were centered & on fish	
14:30	22:00	7.5		
			Motor check to verify PBL working properly M/U Lubricator & RIH	
			Shut down for leak on injector head	
22:00	23:30	1.5		
			NPT on Conquest Leak on injector head	
23:30	6:00	6.5	Mech currently working to resolve	
20.00	0.00	0.0		

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
L	840-030	ROAD,LOCATIONS			
L	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (18)		\$22,400
L	840-060	HOT OILER			
L	840-065	FUEL, POWER	Delta fuel	-\$169,117	-\$169,11
L	840-070	EQUIPMENT RENTAL		\$6,011	\$146,80
L	840-071	HOT SHOT TRUCKING			\$900
L	840-072	JPE OWNED EQUIP RENTAL		\$525	\$7,875
L	840-100	CEMENT SERV/ FLOAT EQUIP			
L	840-110	CASING CREW & EQPT			
,	840-115	FLOWBACK WATER			
	840-120	CONTRACT LABOR			\$5,558
	840-130	COMPLETION RIG			
	840-135	COILED TUBING		\$44,000	\$88,000
Г	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
Г	840-145	PERFORATING/WIRELINE SERV			\$170,12
	840-155	ACIDIZING/FRACTURING			\$1,327,7
	840-160	FLOW TESTING		\$2,800	\$8,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
Г	840-175	WELLSITE SUPERVISION		\$3,800	\$57,600
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
Г			Total Intangible	-\$111,981	\$1,671,10
	860-030	PRODUCTION CASING			
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
Г	860-045	WELLHEAD EQUIPMENT			\$16,66°
r	860-060	SUBSURFACE EQUIPMENT			,
	860-065	SURFACE EQUIPMENT			\$25,000
r	860-080	WELLSITE COMPRESSION			,
Н	860-085	PUMPING UNIT & MOTOR			
	860-086	RODS			
r	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200
	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
r	860-115	SEPARATORS & TREATERS			\$43,500
r	860-120	STRUCTURES & INSULATION			\$ 12,00
r	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$33,50
r	860-155	POWER INSTALLATION			\$25,00
Г	860-175	SUPERVISION			\$1,000
H	860-275	CONTINGENCY			ψ1,000
	300 210	CONTINGLIACT	Total Tangible		\$258,86
				6444.004	
			Total Daily & Cum Costs	-\$111,981	\$1,929,9



Well Name: RK-UTL 3031B-17-1H

AFE #:

Report Date: 11/12/2016

Operation: Completion

Field:	November 12, 2016	Rig Name:		Report #:	23
Location:	RK-UTL 3031B-17-1H	Supervisor:	(D)Clint Smith Nathan Renner	Daily Cost:	\$247,353
County:	Ward	Phone:	405-650-2935, 307-272-6768	Cum Job:	\$2,177,321
State:	TX	Email:	clint.smith2014@yahoo.com, nrenr	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$4,992,545

24 Hr Summary:

Came off NPT @ 8:30, RIH, Attmept to latch fish, POOH, retrieve rope socket, cut coil

24 Hr Plan Forward:

Incidents:

None

JPE Pers: Chris Bairrington, J Contract Pers: Halliburton, Swift water, Conditions: Clear Critical Comments

#### Time Breakdown

From	Summary (	Hrs	Summary	24.0 HRS
110111	-10	1113	NPT on Conquest to 8:30 @ 2000'	
6:00	8:30	2.5	(RIH to 2000')	
			RIH 500' past liner top and open PBL Continue to RIH to 18800'	
			Continue to RIH to 18800'	
			IP/U 45k, S/O 24k	
			Tag coil @ 19048' Set down 30k onto fish 3 times @ 60fpm showing no over pull	
			Set down 30k onto fish 3 times @ 60fpm showing no over pull	
			Drop PBL to engage motor	
			Saw 150 dni nom previous day @ current depin	
			Instant diff snike to 1300nsi before shutting down pump	
			Engage fish w/ 30k w/ out pumps	
			Cycled out	
			Set down 30k note first 3 unles & outpit showing no over pull Drop PBL to engage motor Saw 150 diff from previous day @ current depth Attempt to tag fish with minimal weight Instant diff spike to 1300psi before shutting down pump Engage fish w/ 30k w/ out pumps Cycled out POOH	
8:30	16:00	7.5		
			РООН	
			Bump up @ 10:30	
			Rope socket is in over shot (no tractor) Break down BHA to prep to cut coil	
16:00	23:30	7.5		
			Cut coil	
			Weld on new connector Pull test to 40k	
			Puli lest to 4000 pci	
			Psi test to 8000 psi Wait on 3-1/8" overshot	
23:30	6:00	6.5		

	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (18)		\$22,400
	840-060	HOT OILER			
	840-065	FUEL, POWER	Delta fuel	\$169,117	
	840-070	EQUIPMENT RENTAL		\$7,111	\$153,911
	840-071	HOT SHOT TRUCKING			\$900
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$8,400
	840-100	CEMENT SERV/ FLOAT EQUIP			
ţ	840-110	CASING CREW & EQPT			
Intangible Costs	840-115	FLOWBACK WATER			
<u>e</u>	840-120	CONTRACT LABOR			\$5,558
l ë	840-130	COMPLETION RIG			
ig i	840-135	COILED TUBING		\$64,000	\$152,000
Ξ	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV			\$170,126
	840-155	ACIDIZING/FRACTURING			\$1,327,764
	840-160	FLOW TESTING		\$2,800	\$11,200
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$3,800	\$61,400
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$247,353	\$1,918,460
	860-030	PRODUCTION CASING			
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$16,661
	860-060	SUBSURFACE EQUIPMENT			
s	860-065	SURFACE EQUIPMENT			\$25,000
ost	860-080	WELLSITE COMPRESSION			
Fangible Costs	860-085	PUMPING UNIT & MOTOR			
i	860-086	RODS			
ang.	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200
ı	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$33,500
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			
	<u> </u>		Total Tangible		\$258,861
			Total Daily & Cum Costs	\$247,353	\$2,177,321
		www.wellez.com	WellEz Information Management LLC ver_1.14.14bg		
		•			



Well Name: RK-UTL 3031B-17-1H

AFE #:
Report Date: 11/13/2016
Operation: Completion

Field:	November 13, 2016	Rig Name:		Report #:	24
Location:	RK-UTL 3031B-17-1H	Supervisor:	(D)Clint Smith Nathan Renner	Daily Cost:	\$73,081
County:	Ward	Phone:	405-650-2935, 307-272-6768	Cum Job:	\$2,274,029
State:	TX	Email:	clint.smith2014@yahoo.com, nreni	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$5,089,253

24 Hr Summary:

RIH, tag fish, attmept to engage fish, POOH, no fish

24 Hr Plan
Forward:
Incidents:
None

JPE Pers: Chris Bairrington, J Contract Pers: Halliburton, Swift water, Conditions: Clear

Critical Comments

#### Time Breakdown

Activity	Summary	(6:00am -	6:00am)	24.0 HRS
From	То	Hrs	Summary	
6:00	8:30	2.5	Wait on overshot	
			Overshot and grapple on location Caliper and build overshot OD 3.754 ID 3.167 Long catch extension M/U BHA N/U lubricator PSI test (fail, leak on well head side of iron)	
8:30	10:00	1.5		
10:00	11:30	1.5	C/O iron PSI test (good) RIH	
11:30	16:00	4.5	Weight and PSI test @ 18758' P/U 43k 4300/3600 @ 1 BPM P/U 42k 4850/3850 @ 2 BPM P/U 48k 3900/3800 @ 0 BPM Set down to -13k w/ no pump, no over pull Kick in pump @ 1 BPM walked in and saw 1000 diff before shutting down, no over pull Repeat	
11:30	16:00	4.5	POOH	
16:00	23:30	7.5	18k over pull @ 18946' (102' above tag) Indication of drag	
23:30	0:00	0.5	No fish Scuffed internals on end of cut lip, no wear on spiral grapple	
0:00	3:30	3.5	RIH w/ short catch 3-1/8 OS	
3:30	4:00	0.5	Tag fish -13 w/ out pumps P/U engage fish w/ 1BPM 700 psi diff, shut pumps down Set -13 down w/ out pump Seeing 20k constant over pull	
4:00	6:00	2.0	РООН	
		_		

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
L	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (18)		\$22,400
L	840-060	HOT OILER			
	840-065	FUEL, POWER			
L	840-070	EQUIPMENT RENTAL		\$6,011	\$159,922
L	840-071	HOT SHOT TRUCKING			\$900
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$8,925
	840-100	CEMENT SERV/ FLOAT EQUIP			
	840-110	CASING CREW & EQPT			
, _	840-115	FLOWBACK WATER			
	840-120	CONTRACT LABOR			\$6,544
, [	840-130	COMPLETION RIG			
	840-135	COILED TUBING		\$54,000	\$206,000
Г	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV			\$170,120
Г	840-155	ACIDIZING/FRACTURING		\$5,945	\$1,356,38
	840-160	FLOW TESTING		\$2,800	\$14,000
Г	840-165	COMPLETE FLUID-FRESH WTR			\$310
Г	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$3,800	\$65,200
Г	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$73,081	\$2,015,16
	860-030	PRODUCTION CASING			
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$16,661
	860-060	SUBSURFACE EQUIPMENT			
r	860-065	SURFACE EQUIPMENT			\$25,000
Г	860-080	WELLSITE COMPRESSION			
	860-085	PUMPING UNIT & MOTOR			
r	860-086	RODS			
Г	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200
Г	860-100	METERING EQP/TELE			\$25,000
r	860-110	TANK STAIRS & WALKWAYS			\$32,000
r	860-115	SEPARATORS & TREATERS			\$43,500
r	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$33,500
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			Ţ.,500
			Total Tangible		\$258,86
			Total Daily & Cum Costs	\$73,081	\$2,274,02
			I otal Pally & Guill Gosts	₹73,U01	φε,214,02



Well Name: RK-UTL 3031B-17-1H AFE #: Report Date: 11/14/2016 Operation: Completion

ENERGY				Ор.	J. ac. 0	Compic	7.11011	
Field:	November 14, 2016	Rig Name:					Report #:	25
_ocation:	RK-UTL 3031B-17-1H	Supervisor:	(D)C	lint Smith	Nathan F	Renner	Daily Cost:	\$63,081
County:	Ward	Phone:	405-6	550-2935,	307-272-6	768	Cum Job:	\$2,337,110
State:	TX	Email:	clint.s	smith2014	@yahoo.c	om, nreni	Job AFE:	
		Total Well AFE:					Cum Well Cost:	\$5,152,334

POOH, fix leak, POOH, No fish, C/O overshot, RIH, Leak on injector, POOH, Fix leak, RIH 24 Hr Summary: Attempt to fish tractor 24 Hr Plan Forward: JPE Pers: Chris Bairrington, J Contract Pers: Halliburton, Swift water, Conditions: Clear Critical Comments Incidents:

	kdown

			Time Breakdown
Activity S	Summary	(6:00am	- 6:00am) 24.0 HR
From	То	Hrs	Summary
6:00	7:30	1.5	РООН
7:30	8:30	1.0	NPT on Conquest
			РООН
			Bump up No fish
8:30	12:00	3.5	
12:00	13:00	1.0	Break down and C/O grapple F/ 3-1/8"- T/ 3-1/16"
			N/U lubricator
13:00	15:30	2.5	RIH T/8900'
			NPT on Conquest
			Leak on Injector head POOH
			N/D lubricator & repair
			RH T/8900'
15:30	22:00	6.5	Off NPT
22:00	1:00	3.0	RIH
22.00	1.00	3.0	Tag Fish @ 19048'
1:00	2:00	1.0	Stack out 30k on fish w/ PBL open 2 X's @ 60 fpm
			POOH
			No fish at surface
			No definitive indications of being over fish Break down tools
			C/O overshot to left release
2:00	6:00	4.0	
			1
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Cost	c.	ım	m	_	<b>~</b> \	,
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	Cost Summary								
	Code	Description	Comments	Daily	Cum.				
	840-030	ROAD,LOCATIONS							
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (18)		\$22,400				
	840-060	HOT OILER							
	840-065	FUEL, POWER							
	840-070	EQUIPMENT RENTAL		\$6,011	\$165,933				
	840-071	HOT SHOT TRUCKING			\$900				
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$9,450				
	840-100	CEMENT SERV/ FLOAT EQUIP							
3	840-110	CASING CREW & EQPT							
- -	840-115	FLOWBACK WATER							
ַ בַ	840-120	CONTRACT LABOR			\$6,544				
	840-130	COMPLETION RIG							
	840-135	COILED TUBING		\$44,000	\$250,000				
	840-140	CASED HOLE LOGS & SURVEYS			\$4,490				
	840-145	PERFORATING/WIRELINE SERV			\$170,126				
	840-155	ACIDIZING/FRACTURING		\$5,945	\$1,362,295				
	840-160	FLOW TESTING		\$2,800	\$16,800				
	840-165	COMPLETE FLUID-FRESH WTR		7 /2 2 2	\$310				
-	840-167	COMPLETE FLUID-BRINE			70.0				
	840-175	WELLSITE SUPERVISION		\$3,800	\$69,000				
	840-180	OVERHEAD		φοισσο	\$00,000				
	840-195	P&A/TA COSTS							
H	0.0.100	1 47 17 00010	Total Intangible	\$63,081	\$2,078,249				
	860-030	PRODUCTION CASING	Total intangible	φ03,001	\$2,070,243				
H	860-035	PRODUCTION LINER			+				
H	860-040	PRODUCTION TUBING			+				
H	860-041	GAS PIPELINE			+				
╟	860-042	WATER PIPELINE			+				
H	860-043	OIL PIPELINE							
-	860-045	WELLHEAD EQUIPMENT			\$16,661				
H	860-060				\$16,661				
H	860-065	SUBSURFACE EQUIPMENT			005.000				
H		SURFACE EQUIPMENT			\$25,000				
H	860-080	WELLSITE COMPRESSION							
H	860-085	PUMPING UNIT & MOTOR			-				
ŀ	860-086	RODS							
H	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200				
H	860-100	METERING EQP/TELE			\$25,000				
H	860-110	TANK STAIRS & WALKWAYS			\$32,000				
H	860-115	SEPARATORS & TREATERS			\$43,500				
L	860-120	STRUCTURES & INSULATION			1				
L	860-125	SIGNAGE							
ŀ	860-150	BUILD BATTERY			\$33,500				
-	860-155	POWER INSTALLATION			\$25,000				
	860-175	SUPERVISION			\$1,000				
	860-275	CONTINGENCY							
			Total Tangible		\$258,861				
			Total Daily & Cum Costs	\$63,081	\$2,337,110				



Well Name: RK-UTL 3031B-17-1H

AFE #:
Report Date: 11/15/2016
Operation: Completion

Field:	November 15, 2016	Rig Name:		Report #:	26
Location:	RK-UTL 3031B-17-1H	Supervisor:	(D)Clint Smith Nathan Renner	Daily Cost:	\$64,061
County:	Ward	Phone:	405-650-2935, 307-272-6768	Cum Job:	\$2,392,544
State:	TX	Email:	clint.smith2014@yahoo.com, nrenr	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$5,207,769

24 Hr Summary:

Cut coil, C/O grapple to 3-1/16" wicked grapple, RIH to fish, Tag and over pull to 112k, POOH

24 Hr Plan
Forward:
Incidents: None JPE Pers: Chris Bairrington, J Contract Pers: Halliburton, Swift water, Conditions: Clear

Critical Comments

#### Time Breakdown

	Summary	ì	,	24.0 HRS
From	То	Hrs	Summary	
6:00	7:00	1.0	Break down BHA & inspect No indication of being over fish	
7:00	10:00	3.0	C/O 3-1/16" grapple for 3-1/16" wicked grapple (Left release) L/D BHA to get to coil connector Cut coil & weld new connector PSI test to 8000 (good)	
10:00	15:00	5.0	RIH P/U 50K w/ 4400 circ & 4100 wh S/O 20K w/ 4400 circ & 4100 wh RIH to fish	
15:00	16:00	1.0	Engage fish @ 1 bpm @ 20 fpm Saw 700 psi diff before shutting down pump Pull 40 over (90K) did not break over Pull 56 over (106K) did not break over Broke over @ 112K, 62k over P/U weight	
16:00	22:00	6.0	POOH w/ 20K drag Tractor lower housing parted 99% of tractor out of hole CCL & guns remain in hole	
22:00	1:00	3.0	L/D tractor Break grapple down and release fish Install new wicked grapple, 3-1/16" Add barrel extension to over shot Add jars to the BHA	
1:00	2:00	1.0	Wait on XO for new BHA configuration	
			Finish M/U BHA Pressure test 8000 Nipple up lubricator RIH	
2:00	6:00	4.0	TABLE TO SERVICE TO SE	
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	Cost Summary						
	Code	Description	Comments	Daily	Cum.		
	840-030	ROAD,LOCATIONS					
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (18)		\$22,400		
	840-060	HOT OILER					
	840-065	FUEL, POWER					
	840-070	EQUIPMENT RENTAL		\$9,511	\$175,444		
	840-071	HOT SHOT TRUCKING			\$900		
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$9,975		
	840-100	CEMENT SERV/ FLOAT EQUIP					
ts	840-110	CASING CREW & EQPT					
Intangible Costs	840-115	FLOWBACK WATER					
<u>e</u>	840-120	CONTRACT LABOR			\$6,930		
l ig	840-130	COMPLETION RIG					
l au	840-135	COILED TUBING		\$44,000	\$294,000		
<u>=</u>	840-140	CASED HOLE LOGS & SURVEYS			\$4,490		
	840-145	PERFORATING/WIRELINE SERV			\$170,126		
	840-155	ACIDIZING/FRACTURING		\$3,425	\$1,355,690		
	840-160	FLOW TESTING		\$2,800	\$19,600		
	840-165	COMPLETE FLUID-FRESH WTR			\$310		
	840-167	COMPLETE FLUID-BRINE					
	840-175	WELLSITE SUPERVISION		\$3,800	\$72,800		
	840-180	OVERHEAD					
	840-195	P&A/TA COSTS					
			Total Intangible	\$64,061	\$2,132,665		
	860-030	PRODUCTION CASING					
	860-035	PRODUCTION LINER					
	860-040	PRODUCTION TUBING					
	860-041	GAS PIPELINE					
	860-042	WATER PIPELINE					
	860-043	OIL PIPELINE					
	860-045	WELLHEAD EQUIPMENT			\$16,661		
	860-060	SUBSURFACE EQUIPMENT					
ıς.	860-065	SURFACE EQUIPMENT			\$25,000		
Sosi	860-080	WELLSITE COMPRESSION					
9	860-085	PUMPING UNIT & MOTOR					
텵	860-086	RODS					
Tangible Costs	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200		
-	860-100	METERING EQP/TELE			\$25,000		
	860-110	TANK STAIRS & WALKWAYS			\$32,000		
	860-115	SEPARATORS & TREATERS			\$43,500		
	860-120	STRUCTURES & INSULATION					
	860-125	SIGNAGE					
	860-150	BUILD BATTERY			\$34,518		
	860-155	POWER INSTALLATION			\$25,000		
	860-175	SUPERVISION			\$1,000		
	860-275	CONTINGENCY					
			Total Tangible		\$259,879		
			Total Daily & Cum Costs	\$64,061	\$2,392,544		
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Well Name: RK-UTL 3031B-17-1H
AFE #:

Report Date: 11/16/2016

Operation: Completion

November 16, 2016 RK-UTL 3031B-17-1H Ward Rig Name: Field: Report #: 27 (D)Clint Smith Nathan Renner 405-650-2935, 307-272-6768 Location: Supervisor: Daily Cost: \$66,195 County: Phone: Cum Job: \$2,458,739 State: ΤX Email: clint.smith2014@yahoo.com, nrenr Job AFE: Total Well AFE: Cum Well Cost: \$5,273,963

24 Hr Summary:

24 Hr Plan
Forward:

Incidents:

JPE Pers: Chris Bairrington, Contract Pers: Halliburton, Swift water, Conditions:

Critical Comments

#### Time Breakdown

From	Summary	Hrs	Summary	.0 HRS
FIOIII	10	піѕ		
			Showing friction 220' from fish Pump sweep around, back to normal S/O when sweep hit curve	
			Tag fish @ 19070'	
			Cycle 4 times loosing fish each p/u	
			Final cycle rotated onto fish and took weight to -25k	
			Final cycle rotated onto fish and took weight to -25k Minimal drag no break over, showed diff 100' above fish	
6:00	8:00	2.0		
			Pooh with coil & tools.	
8:00	15:30	7.5	Fish on the bank	
			RD tool perf guns/set tools.	
15:30	17:00	1.5	RD fishing tool string.	
			Wait on welder. For new coil connector.	
			Capitan building guns for TCP run.	
17:00	22:00	5.0	Welder on location and install new connector.	
			RU guns and NU lubricator.	
			Pressure test.	
22:00	23:00	1.0	OWHP 3300 psi.	
22.00	20.00	1.0	RIH with TCP guns.	
			Tag plug at 19,114.	
			Line up coil and drop ball to actuate TCP guns. Perforated 19,080-81', 19,068'-69', 19,056'-57', 19,044'-45', 19,032'-33', 19,020'-21', 19,008'-69', 19,056'-57', 19,044'-45', 19,032'-33', 19,020'-21', 19,008'-69', 19,056'-57', 19,044'-45', 19,032'-33', 19,020'-21', 19,068'-69', 19,056'-57', 19,044'-45', 19,032'-33', 19,020'-21', 19,068'-69', 19,056'-57', 19,044'-45', 19,032'-33', 19,020'-21', 19,068'-69', 19,056'-57', 19,044'-45', 19,056'-57', 19,048'-45', 19,056'-57',	-09',
23:00	6:00	7.0	18,996'-97', 19,984'-85', 19,972'-73'.	
23.00	0.00	7.0		
			1	

	Cost Summary								
	Code	Description	Comments	Daily	Cum.				
	840-030	ROAD,LOCATIONS							
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (18)		\$22,400				
	840-060	HOT OILER							
	840-065	FUEL, POWER							
	840-070	EQUIPMENT RENTAL		\$8,911	\$184,355				
	840-071	HOT SHOT TRUCKING		\$234	\$1,134				
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$10,500				
	840-100	CEMENT SERV/ FLOAT EQUIP							
ts	840-110	CASING CREW & EQPT							
Intangible Costs	840-115	FLOWBACK WATER							
<u>e</u>	840-120	CONTRACT LABOR			\$6,930				
g _	840-130	COMPLETION RIG							
ta _	840-135	COILED TUBING		\$45,500	\$339,500				
= _	840-140	CASED HOLE LOGS & SURVEYS			\$4,490				
	840-145	PERFORATING/WIRELINE SERV			\$170,126				
	840-155	ACIDIZING/FRACTURING		\$3,425	\$1,359,115				
	840-160	FLOW TESTING		\$2,800	\$22,400				
	840-165	COMPLETE FLUID-FRESH WTR			\$310				
	840-167	COMPLETE FLUID-BRINE							
	840-175	WELLSITE SUPERVISION		\$4,800	\$77,600				
	840-180	OVERHEAD							
	840-195	P&A/TA COSTS							
			Total Intangible	\$66,195	\$2,198,860				
	860-030	PRODUCTION CASING							
	860-035	PRODUCTION LINER							
	860-040	PRODUCTION TUBING							
	860-041	GAS PIPELINE							
	860-042	WATER PIPELINE							
	860-043	OIL PIPELINE							
	860-045	WELLHEAD EQUIPMENT			\$16,661				
	860-060	SUBSURFACE EQUIPMENT							
<u>υ</u>	860-065	SURFACE EQUIPMENT			\$25,000				
S _	860-080	WELLSITE COMPRESSION							
e _	860-085	PUMPING UNIT & MOTOR							
	860-086	RODS							
Tangible Costs	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200				
_	860-100	METERING EQP/TELE			\$25,000				
	860-110	TANK STAIRS & WALKWAYS			\$32,000				
	860-115	SEPARATORS & TREATERS			\$43,500				
	860-120	STRUCTURES & INSULATION							
	860-125	SIGNAGE							
	860-150	BUILD BATTERY			\$34,518				
	860-155	POWER INSTALLATION			\$25,000				
	860-175	SUPERVISION			\$1,000				
	860-275	CONTINGENCY							
			Total Tangible		\$259,879				
			Total Daily & Cum Costs	\$66,195	\$2,458,739				
		www.wellez.com	WellEz Information Management LLC ver_1.14.14bg						



Well Name: RK-UTL 3031B-17-1H AFE #:

Report Date: 11/17/2016 Operation: Completion

Field:	November 17, 2016	Rig Name:		Report #:	28
Location:	RK-UTL 3031B-17-1H	Supervisor:	(D)Clint Smith	Daily Cost:	\$54,839
County:	Ward	Phone:	405-650-2935, 307-272-6768	Cum Job:	\$2,513,578
State:	TX	Email:	clint.smith2014@yahoo.com, nrenr	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$5,328,802

Pooh w/coil & guns, MIRU HES equip and perforator, 24 Hr Summary: 24 Hr Plan Forward: Continue completion work/resume frac stage 18 JPE Pers: Chris Bairrington, J Contract Pers: Halliburton, Swift water, Conditions: Critical Comments Incidents:

Time	Breakdown	

Activity S	activity Summary (6:00am - 6:00am) 24.				
From	То	Hrs	Summary		
6:00	10:30	4.5	ASF with TCP guns. Pooh with coil and tools.		
10:30	16:00	5.5	Bumped up. Nipple down lubricator. Lay down tools. ASF. conquest RD		
16:00	22:00	6.0	RU GE wellhead and torque. MIRU HES Frac equipment and wireline.		
22:00	0:00	2.0	HES completely rigged up. Prime up pumps. Worked on 2 pumps(Packing).		
0:00	3:00	3.0	Frac pumps having electronic issues. Etech working on pump computers and transducers.		
3:00	4:30	1.5	Prime up and psi test. Reset inline popoff. Replace the backside transducer.		
4:30	6:00	1.5	Start Stage 18 Frac.		

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (18)		\$22,400
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL		\$5,961	\$190,316
	840-071	HOT SHOT TRUCKING			\$1,134
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$11,025
	840-100	CEMENT SERV/ FLOAT EQUIP			
3 _	840-110	CASING CREW & EQPT			
	840-115	FLOWBACK WATER			
	840-120	CONTRACT LABOR			\$6,930
<u></u>	840-130	COMPLETION RIG			
3 _	840-135	COILED TUBING		\$24,700	\$364,200
L	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$17,828	\$187,95
	840-155	ACIDIZING/FRACTURING		\$3,425	\$1,362,54
	840-160	FLOW TESTING			\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$2,400	\$80,000
	840-180	OVERHEAD			
L	840-195	P&A/TA COSTS			
			Total Intangible	\$54,839	\$2,253,69
	860-030	PRODUCTION CASING			
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$16,661
	860-060	SUBSURFACE EQUIPMENT			
	860-065	SURFACE EQUIPMENT			\$25,000
	860-080	WELLSITE COMPRESSION			
	860-085	PUMPING UNIT & MOTOR			
	860-086	RODS			
	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200
	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$34,518
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			
			Total Tangible		\$259,879
			Total Daily & Cum Costs	\$54,839	\$2,513,57



Well Name: RK-UTL 3031B-17-1H

AFE #:

Report Date: 11/18/2016

Operation: Completion

Field:	November 18, 2016	Rig Name:		Report #:	29
Location:	RK-UTL 3031B-17-1H	Supervisor:	(D)Clint Smith	Daily Cost:	\$321,229
County:	Ward	Phone:	405-650-2935, 307-272-6768	Cum Job:	\$2,836,487
State:	TX	Email:	clint.smith2014@yahoo.com, nrenr	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$5.651.711

24 Hr Summary:	Frac stgs 18-20; Perf stgs 19-20.						
24 Hr Plan Forward:	Continue with stim ops.						
Incidents:	JPE Pers: Chris Bairrington, J Contract Pers: Halliburton, Swift water, Conditions:						
Critical Comments							

			Time Breakdown	
Activity	Summary	(6:00am -	- 6:00am)	24.0 HRS
From	То	Hrs	Summary	'
6:00	8:00	2.0	Pumping stage 18. Cut stage early due to pressure trend. Max prop 1.25#. AVG's 74.1 bpm/8756 psi.	
8:00	12:30	4.5	RU WL to perf stage #19. Pump guns down to depth. Set CFP @ 18,960'. Perforate 18,950'-51', 18,931'-32', 18,912'-13', 18,893'-94', 18,855'-56', 18,836'-37', 18,817'-18', 18,798'-99', 18,779'-80' (4 SPF, 60 deg phasing, .40" EH, 40 total holes). Pump down rate of 9 bpm r psi. Plug set all shots fired pooh w/tools.	
12:30	17:00	4.5	Prime & Pressure test iron.  OWHP 4575 PSI.  Stage #19 Frac. All Frac details are updated on job tracking & sent to Denver post job.	
17:00	20:30	3.5	WL had reached the liner top when HES iron developed a leak on the well side. We POOH and repaired the leak. Retested and RIH with sWL.	
20:30	23:30	3.0	RU WL to perf stage #20. Pump guns down to depth. Set CFP @ 18,770 '. Perforate 18,760'-61' 18,741'-42' 18,722'-23', 18,684'-85', 18,665'-66', 18,646'-47', 18,627'-28', 18,608'-09', 18,589'-90' 18,589'-90' (4 SPF, 60 deg phasing, .40" EH, 40 total holes). Pump down rate of 9 bpm max/ max psi 6550. Plug set and all shots fired.	)3'-04',
23:30	5:00	5.5	Stage #20 Frac. All Frac details are updated on job tracking & sent to Denver post job.	
5:00	6:00	1.0	RIH with stage 21 plug and guns.	

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (19-20)	\$3,200	\$25,600
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL		\$5,961	\$196,277
	840-071	HOT SHOT TRUCKING			\$1,134
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$11,550
	840-100	CEMENT SERV/ FLOAT EQUIP			
ış 📗	840-110	CASING CREW & EQPT			
	840-115	FLOWBACK WATER			
<u>e</u>	840-120	CONTRACT LABOR			\$6,930
<u>@</u>	840-130	COMPLETION RIG			
<u> </u>	840-135	COILED TUBING			\$364,200
Ē	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$90,579	\$278,534
	840-155	ACIDIZING/FRACTURING		\$218,564	\$1,582,78
	840-160	FLOW TESTING			\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$2,400	\$82,400
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$321,229	\$2,576,60
	860-030	PRODUCTION CASING			
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$16,661
	860-060	SUBSURFACE EQUIPMENT			
, _	860-065	SURFACE EQUIPMENT			\$25,000
	860-080	WELLSITE COMPRESSION			
	860-085	PUMPING UNIT & MOTOR			
	860-086	RODS			
	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200
	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$34,518
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			
			Total Tangible		\$259,879

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Well Name: RK-UTL 3031B-17-1H

AFE #:

Report Date: 11/19/2016

ENERGY				Operation:	Comple	etion	
ield:	November 19, 2016	Rig Name:				Report #:	30
ocation:	RK-UTL 3031B-17-1H	Supervisor:	(D)CI	int Smith		Daily Cost:	\$159,755
County:	Ward	Phone:	405-6	550-2935, 307-272-67	'68	Cum Job:	\$2,997,922
State:	TX	Email:	clint.s	smith2014@yahoo.co	m, nrenr	Job AFE:	
		T				0 14/ 11/0 /	DE 040 440

Critical Comments

			Time Breakdown
Activity \$	Summary	(6:00am	-6:00am) 24.0 HRS
From	То	Hrs	Summary
6:00	8:00	2.0	RU WL to perf stage #21. Pump guns down to depth. Set CFP @ 18,582'. Perforate 18,570'-571', 18,551-'552',18,532'-533', 18,513'-514', 18,494'-495', 18,475'-476', 18,456'-457', 18,437'-438', 18,418'-419', 18,399'-400' (4 SPF, 60 deg phasing, .40" EH, 40 total holes). Pump down rate of 10 bpm max/6082 max psi. Plug set all shots fired pooh w/tools.
8:00	8:30	0.5	Prime and pressure test frac.
8:30	13:00	4.5	Stage #21 Frac. All Frac details are updated on job tracking & sent to Denver post job.
13:00	14:00	1.0	GE to perform wellhead maintenance.
			RU WL to perf stage #22. Pump guns down to depth. Set CFP @ 18,390' Perforate 18,380'-381', 18,361'-362', 18,342'-343', 18,323'-324', 18,306'-307', 18,285'-286', 18,266'-18,267', 18,247'-248', 18,228'-229', 18,209'-210' (4 SPF, 60 deg
14:00	16:30	2.5	phasing, .40" EH, 40 total holes). Pump down rate of 9 bpm max/6900 max psi. Plug set all shots fired pooh w/tools.
16:30	18:00	1.5	HES swap pumps not able to get primed.
18:00	21:30	3.5	Stage #22 Frac. Pumped 1 cycle on this stage only due to major psi drops. Flushed well. Will RIH with CBP to top perfs.
21:30	22:30	1.0	HES WL struggling with protocol issues.
22:30	3:30	5.0	RU WL and RIH with CBP and set @ 11,893'.
3:30	6:00	2.5	RDMO to the 3031A.

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
-	840-030	ROAD,LOCATIONS			
-	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (21,22)	\$3,200	\$28,800
-	840-060	HOT OILER			
-	840-065	FUEL, POWER			
-	840-070	EQUIPMENT RENTAL		\$5,961	\$202,238
-	840-071	HOT SHOT TRUCKING			\$1,134
-	840-072	JPE OWNED EQUIP RENTAL		\$525	\$12,075
-	840-100	CEMENT SERV/ FLOAT EQUIP			
sts	840-110	CASING CREW & EQPT			
Ŝ.	840-115	FLOWBACK WATER			
<u>e</u>	840-120	CONTRACT LABOR			\$6,930
ig	840-130	COMPLETION RIG			
Intangible Costs	840-135	COILED TUBING			\$364,200
=	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
-	840-145	PERFORATING/WIRELINE SERV		\$8,000	\$286,534
-	840-155	ACIDIZING/FRACTURING		\$139,669	\$1,724,132
-	840-160	FLOW TESTING			\$22,400
-	840-165	COMPLETE FLUID-FRESH WTR			\$310
-	840-167	COMPLETE FLUID-BRINE			
-	840-175	WELLSITE SUPERVISION		\$2,400	\$84,800
-	840-180	OVERHEAD			
-	840-195	P&A/TA COSTS			
			Total Intangible	\$159,755	\$2,738,043
-	860-030	PRODUCTION CASING			
-	860-035	PRODUCTION LINER			
-	860-040	PRODUCTION TUBING			
-	860-041	GAS PIPELINE			
-	860-042	WATER PIPELINE			
-	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$16,661
-	860-060	SUBSURFACE EQUIPMENT			
ts -	860-065	SURFACE EQUIPMENT			\$25,000
So	860-080	WELLSITE COMPRESSION			
<u>e</u>	860-085	PUMPING UNIT & MOTOR			
<u></u>	860-086	RODS			
Tangible Costs	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200
-	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
_	860-125	SIGNAGE			
_	860-150	BUILD BATTERY			\$34,518
_	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			

Total Tangible

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Total Daily & Cum Costs

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\$259,879

\$2,997,922

\$159,755

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Well Name: RK-UTL 3031B-17-1H AFE #: Report Date: 11/22/2016

ENERGY				Operation: Cor	mple	tion		
Field:	November 22, 2016	Rig Name:		·		Report #:	31	
Location:	RK-UTL 3031B-17-1H	Supervisor:	Jeff S	Staples / Reed Ashy		Daily Cost:	\$12,019	
County:	Ward	Phone:	406-2	208-3917 / 502-322-5503	3	Cum Job:	\$3,009,941	
State:	TX	Email:	rashy	/@jaggedpeakenergy.cor	m .	Job AFE:		
		Total Well AFE:				Cum Well Cost:	\$5,825,165	
								_

Attempt to kill well with 10 ppg brine. Pump 480 bbls total. Pressure at 800 psi. 24 Hr Summary: Kill well with 12.5 ppg brine weighted with barite. ND master valves and flow cross. NU BOP. RIH with mill and workstring to dress liner top. 24 Hr Plan JPE Pers: Chris Bairrington, J Contract Pers: APS, Wellfoam, Baker H Conditions: Incidents:

**Critical Comments** 

Time Breakdown Activity Summary (6:00am - 6:00am) 24.0 HRS From To Hrs Summary Pump 40 bbls 10 ppg brine with kill truck at 1.5 bbl/min. Pump chain brok 6:00 7:30 1.5 MIRU reverse unit. Pump brine through reverse unit pump down well at 2 bbl/min at 2400 psi. Offload 5.5" P-110 23# USF csg. MIRU w/o rig. 7:30 11:30

Pump 310 bbls. SD pump. Bleed well back. Continues to surge. Pressure: 1100 psi. 11:30 12:00 0.5 Continue to pump at same rate. Pump pressure: 2200 psi. Pump 380 total. Bleed back and check pressure: 900 psi. 12:00 13:30 1.5 Pump 480 bbls 10 ppg brine total. Bleed back and check pressure: 1100 psi.
Continue to let well bleed back. Pressure falls to 800 psi. The surging slows down and well flows on a continuous stream.
Continue to block and bleed and check pressures. Well still flowing steady.

13:30 18:00 4.5 Discuss with office. Release all crews. Call for 12.5 ppg fluid and W/L unit for CBP. 18:00 20:00 2.0

Wire line AOL- After spotting in place was informed they brought out baker 20 charges and setting tool when we needed baker 10 20:00 0:00 4.0 Wait on baker 10 setting tool and charges to arrive 0:00 2:30

Make up plug, setting tool and lube 2:30 3:30 1.0 Attempt to start in hole but couldn't pack off was too tight due to wellbore pressure. nipple down lube and make up another sinker bar also make up flow back iron to bleed well down. After opening up and bleeding pressure down able to start in hole 3:30 5:00 Wire line running in hole to set plug

5:00 6:00 1.0

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
- - - -	840-045	NON-RETRIEVABLE PLUGS	HES kill plug	\$1,600	\$30,400
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL		\$1,184	\$203,422
	840-071	HOT SHOT TRUCKING		\$1,525	\$2,659
	840-072	JPE OWNED EQUIP RENTAL			\$12,075
	840-100	CEMENT SERV/ FLOAT EQUIP			
ţ	840-110	CASING CREW & EQPT			
Intangible Costs	840-115	FLOWBACK WATER			
<u>e</u> (	840-120	CONTRACT LABOR		\$3,570	\$10,500
gig	840-130	COMPLETION RIG	APS \$220/hr	\$2,640	\$2,640
tan	840-135	COILED TUBING			\$364,200
Ξ	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV			\$286,534
	840-155	ACIDIZING/FRACTURING			\$1,724,132
	840-160	FLOW TESTING			\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$1,500	\$86,300
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$12,019	\$2,750,062
	860-030	PRODUCTION CASING			
_	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
_	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
_	860-045	WELLHEAD EQUIPMENT			\$16,661
	860-060	SUBSURFACE EQUIPMENT			
ış l	860-065	SURFACE EQUIPMENT			\$25,000
SO:	860-080	WELLSITE COMPRESSION			
Tangible Costs	860-085	PUMPING UNIT & MOTOR			
lgib	860-086	RODS			
au	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200
-	860-100	METERING EQP/TELE			\$25,000
-	860-110	TANK STAIRS & WALKWAYS			\$32,000
-	860-115	SEPARATORS & TREATERS			\$43,500
-	860-120	STRUCTURES & INSULATION			
-	860-125	SIGNAGE			
-	860-150	BUILD BATTERY			\$34,518
-	860-155	POWER INSTALLATION			\$25,000
_	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			
			Total Tangible		\$259,879
			Total Daily & Cum Costs	\$12,019	\$3,009,941

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Well Name: RK-UTL 3031B-17-1H AFE #: Report Date: 11/25/2016

ENERGY		Operation: Completion				
ield:	November 25, 2016	Rig Name:			Report #:	34
ocation:	RK-UTL 3031B-17-1H	Supervisor:	Jeff S	Staples	Daily Cost:	\$98,710
County:	Ward	Phone:	406-2	208-3917	Cum Job:	\$3,199,234
State:	TX	Email:	highr	mountainenergy@outlook.com	Job AFE:	
		Total Well AFE:			Cum Well Cost:	\$6,014,458

24 Hr Summary:						
24 Hr Plan Forward:						
Incidents:	JPE Pers: Chris Bairrington, J Contract Pers: APS, Wellfoam, Baker H Conditions:					
Critical Comments						

## Time Breakdown

			Time Breakdown
Activity	Summary	(6:00am -	6:00am) 24.0 HRS
From	То	Hrs	Summary
6:00	15:30	9.5	Run 5.5" 23# p110 tie back string as fallows PBL seal assembly ported float 239 joints 5.5" 23# USF
15:30	16:00	0.5	Sting into Liner top and set down 30K pressure tested to 750psi picked up 15' tested again to 750psi both good tests. Space out
16:00	21:00	5.0	Rig up compass and cement Class H premium pump 20bbl 12# spacer Lead 11ppg 2.59 yield 340sks tail 15.6ppg 1.18 yield 35sks displace with 222bbls fresh @3bpm for 60bbls reduced rate to 2bpm with 162bbl to go reduced rate to 1bpm last 12bbls final lift=2510psi did not bump plug at calculated displacement. killed pumps- slacked off into liner top 2bbls bled back
16:00	21:00	5.0	Set 30K on liner top- nipple down bop and Cameron C-21 slips with 120K. Cut casing and install tubing spool and pack off seals. APS rigging down
21:00	1:00	4.0	Install master valve secure well
1:00	6:00	5.0	Cameron and APS released

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS			\$30,400
_	840-060	HOT OILER			
	840-065	FUEL, POWER			
_	840-070	EQUIPMENT RENTAL		\$5,384	\$219,224
_	840-071	HOT SHOT TRUCKING			\$3,082
_	840-072	JPE OWNED EQUIP RENTAL			\$12,075
	840-100	CEMENT SERV/ FLOAT EQUIP	compass	\$18,707	\$18,707
ts	840-110	CASING CREW & EQPT	clean drift tally run pipe w/torque turn	\$13,507	\$13,507
Intangible Costs	840-115	FLOWBACK WATER			
<u>e</u>	840-120	CONTRACT LABOR		\$6,720	\$24,615
흥	840-130	COMPLETION RIG	APS	\$5,280	\$18,480
_ tal	840-135	COILED TUBING			\$364,200
=	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV			\$291,534
	840-155	ACIDIZING/FRACTURING			\$1,724,132
	840-160	FLOW TESTING			\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$1,500	\$90,800
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$51,098	\$2,837,956
	860-030	PRODUCTION CASING	Baker PBL stinger and personell	\$47,612	\$47,612
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$70,448
	860-060	SUBSURFACE EQUIPMENT			
σ .	860-065	SURFACE EQUIPMENT			\$25,000
ost	860-080	WELLSITE COMPRESSION			
Tangible Costs	860-085	PUMPING UNIT & MOTOR			
<u>ē</u>	860-086	RODS			
g _	860-090	NIPPLE/VALVE/FITTING/FLO			\$57,200
<u> </u>	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$34,518
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			
			Total Tangible	\$47,612	\$361,278
			Total Daily & Cum Costs	\$98,710	\$3,199,234
		www.wellez.com	WellEz Information Management LLC ver_1.14.14bg		



Well Name: RK-UTL 3031B-17-1H AFE #: Report Date: 11/28/2016 Operation: Completion

Field:	November 28, 2016	Rig Name:		Report #:	37
Location:	RK-UTL 3031B-17-1H	Supervisor:	J. White (D) / Z. White (N)	Daily Cost:	\$87,060
County:	Ward	Phone:	903-736-4232 / 903-736-0116	Cum Job:	\$3,377,465
State:	TX	Email:	jeffgwhite@yahoo.com / zacharylai	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$6.192.690

Frac stg 23 / P&P stgs 23-24 24 Hr Summary:

24 Hr Plan Forward:

Continue Frac and Wireline Operations

JPE Pers: Chris Bairrington Contract Pers: Liberty, Capitan, API, G Conditions: Normal Critical Comments Incidents:

			Time Breakdown
Activity S	Summary (	(6:00am -	6:00am) 24.0 HRS
From	То	Hrs	Summary
6:00	10:30	4.5	Frac continuing with rig up.
10:30	11:30	1.0	Cranking equipment to prepare for pressure test.
11:30	15:00	3.5	Liberty pressure testing surface iron. Multiple leaks were found while trying to pressure test. A good test was achieved to 14,000 psi.
15:00	16:00	1.0	Pumped a 365 bbl sweep to ensure clean well bore for wireline run. 50 bpm @ 7,600 psi.
16:00	17:30	1.5	PU lubricator. Pressure tested to 9,850 psi.
17:30	21:30	4.0	Load gun string into Lubricator. NU lub to WH. Equalize lub  RU WL to perf stage #23. Pump guns down to depth. Set ball drop plug @ 18,276. Perforate 18,190-92, 18,171-72, 18,152-53, 18,133-34, 18,114-15, 18,095-96, 18,076-77, 18,057-58, 18,038-39, 18,019-20. (4 SPF, 60 deg phasing, .42" EH, 40 total holes). AR 10 bpm / Max 11 bpm. AP 5,610 psi/ Max 5,985 psi. WL logged OOH.
21:30	2:00	4.5	Liberty prime up & pressure test treating lines to 14,000 psi.  Stage #23 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 649,320 gals / CTD BLTR - 13,341,077 gals. AR 81 bpm / AP 9,829 psi.  Drop rate to 15 bpm to spot 1st 20# biovert (500 psi increase) & 15 bpm to spot 2nd 20# biovert (950 psi increase).
2:00	2:30	0.5	Load gun string into lubricator. NU lub to WH. Equalize lub.
2:30	5:00	2.5	RU WL to perf stage #24. Pump guns down to depth. Set ball drop plug @ 18,010. Perforate 18,000-01, 17,981-82, 17,962-63, 17,943-44, 17,924-25, 17,905-06, 17,886-87, 17,867-68, 17,848-49, 17,829-30. (4 SPF, 60 deg phasing, .42" EH, 40 total holes). AR 12 bpm / Max 13.5 bpm. AP 6,160 psi/ Max 6,364 psi POOH.
5:00	5:30	0.5	Liberty prime up & pressure test treating lines to 13,000 psi.
5:30	6:00	0.5	Continue stage #24 frac operations

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (stg 23-24)	\$3,200	\$33,600
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL		\$6,501	\$228,693
	840-071	HOT SHOT TRUCKING			\$4,332
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$12,600
	840-100	CEMENT SERV/ FLOAT EQUIP			\$19,222
ē.	840-110	CASING CREW & EQPT			\$13,507
mtangible costs	840-115	FLOWBACK WATER			
<u> </u>	840-120	CONTRACT LABOR			\$37,704
<u> </u>	840-130	COMPLETION RIG			\$18,480
9	840-135	COILED TUBING			\$431,518
	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$6,000	\$297,534
	840-155	ACIDIZING/FRACTURING		\$66,834	\$1,790,96
	840-160	FLOW TESTING			\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$4,000	\$97,800
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$87,060	\$3,013,15
	860-030	PRODUCTION CASING			\$47,612
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$70,448
	860-060	SUBSURFACE EQUIPMENT			
	860-065	SURFACE EQUIPMENT			\$25,000
-	860-080	WELLSITE COMPRESSION			
	860-085	PUMPING UNIT & MOTOR			
	860-086	RODS			
	860-090	NIPPLE/VALVE/FITTING/FLO			\$60,231
	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$34,518
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			
			Total Tangible		\$364,309
			Total Daily & Cum Costs	\$87,060	\$3,377,465



Well Name: RK-UTL 3031B-17-1H AFE #:

Report Date: 11/29/2016 Operation: Completion

November 29, 2016 RK-UTL 3031B-17-1H Ward 38 \$162,149 \$3,567,451 Field: Rig Name: Report #: Supervisor: Phone: Location: County: TX State: Email: \$6,382,676 Total Well AFE:

rac stgs 24-25 and P&P stgs 25-26 24 Hr Summary:

Continue Frac and Wireline Operations 24 Hr Plan Forward:

Incidents: JPE Pers: Chris Bairrington | Contract Pers: Liberty, Capitan, API, G | Conditions: Normal

Critical Comments

#### Time Breakdown

			Time Breakdown	
Activity	Summary	(6:00am -	- 6:00am)	24.0 HRS
From	То	Hrs	Summary	
			Stage #24 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 620,340 gBLTR - 13,973,429 gals. AR 79 bpm / AP 9,924 psi.	gals / CTD
6:00	9:30	3.5	Drop rate to 15 bpm to spot 1st 20# biovert (395 psi increase) & 15 bpm to spot 2nd 20# biovert (360 psi increase).	
9:30	18:00	8.5	Wire line unable to get on WH due to high winds and gusts to 45 mph. We will proceed once the winds calm down.	
			Load gun string into lubricator. NU lub to WH. Equalize lub.	
18:00	20:00	2.0	RU WL to perf stage #25. Pump guns down to depth. Set ball drop plug @ 17,820. Perforate 17,810-11, 17,791-92, 17,772-73, 17,751-17,732-33, 17,715-16, 17,696-97, 17,677-78, 17,658-59, 17,639-40. (4 SPF, 60 deg phasing, .42" EH, 40 total holes). AR 10 bpm / Mi 7,567 psi/ Max 8,945 psi POOH.	3-54, ax 11 bpm. AP
			Liberty prime up & pressure test treating lines to 13,000 psi.	
			Stage #25 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 604,506 gBLTR - 14,587,469 gals. AR 83 bpm / AP 10,087 psi.	gals / CTD
20:00	0:00	4.0	Drop rate to 15 bpm to spot 1st 15# biovert (400 psi increase) & 15 bpm to spot 2nd 15# biovert (400 psi increase).	
			Load gun string into lubricator. NU lub to WH. Equalize lub.	
			RU WL to perf stage #26. Pump guns down to depth. Set ball drop plug @ 17,630. Perforate 17,618-19, 17,601-02, 17,580-81, 17,561-17,544-45, 17,525-26, 17,506-07, 17,487-88, 17,468-69, 17,449-50. (4 SPF, 60 deg phasing, .42" EH, 40 total holes). AR 10 bpm / Mi 5,310 psi/ Max 5,504 psi POOH.	3-64, ax 11 bpm. AP
0:00	2:30	2.5		
2:30	3:00	0.5	Liberty prime up & pressure test treating lines to 13,000 psi.	
			Waiting on water transfer to fix a connection on main line.	
3:00	4:30	1.5	NPT - 1.5 hrs	
4:30	6:00	1.5	Continue stage #26 frac operations.	
	1	1		

1			Cost Summary		
L	Code	Description	Comments	Daily	Cum.
L	840-030	ROAD,LOCATIONS			
L	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (stg 25-26)	\$3,200	\$36,800
L	840-060	HOT OILER			
ŀ	840-065	FUEL, POWER	Delta Fuel		\$5,345
ŀ	840-070	EQUIPMENT RENTAL		\$6,801	\$235,794
ŀ	840-071	HOT SHOT TRUCKING			\$4,332
L	840-072	JPE OWNED EQUIP RENTAL		\$525	\$13,125
ŀ	840-100	CEMENT SERV/ FLOAT EQUIP			\$19,222
L	840-110	CASING CREW & EQPT			\$13,507
ŀ	840-115	FLOWBACK WATER			
ŀ	840-120	CONTRACT LABOR			\$37,704
ŀ	840-130	COMPLETION RIG			\$18,480
ŀ	840-135	COILED TUBING			\$431,518
ŀ	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
ŀ	840-145	PERFORATING/WIRELINE SERV		\$6,000	\$303,534
ŀ	840-155	ACIDIZING/FRACTURING		\$141,623	\$1,954,78
ŀ	840-160	FLOW TESTING			\$22,400
ŀ	840-165	COMPLETE FLUID-FRESH WTR			\$310
ŀ	840-167	COMPLETE FLUID-BRINE			
ŀ	840-175	WELLSITE SUPERVISION		\$4,000	\$101,800
ŀ	840-180 840-195	OVERHEAD			
ŀ	840-195	P&A/TA COSTS			
H	860-030	DDODLIGTION CAGING	Total Intangible	\$162,149	\$3,203,14
ŀ	860-035	PRODUCTION CASING			\$47,612
ŀ	860-040	PRODUCTION LINER PRODUCTION TUBING			
H	860-041				
ŀ	860-042	GAS PIPELINE WATER PIPELINE			
ŀ	860-043	OIL PIPELINE			
ŀ	860-045	WELLHEAD EQUIPMENT			\$70,448
ŀ	860-060	SUBSURFACE EQUIPMENT			φ/U,440
ŀ	860-065	SURFACE EQUIPMENT			\$25,000
ŀ	860-080	WELLSITE COMPRESSION			\$23,000
ŀ	860-085	PUMPING UNIT & MOTOR			
ŀ	860-086	RODS			
ŀ	860-090	NIPPLE/VALVE/FITTING/FLO			\$60,231
ŀ	860-100	METERING EQP/TELE			\$25,000
ŀ	860-110	TANK STAIRS & WALKWAYS			\$32,000
ŀ	860-115	SEPARATORS & TREATERS			\$43,500
ŀ	860-120	STRUCTURES & INSULATION			ψ10,000
ŀ	860-125	SIGNAGE			
r	860-150	BUILD BATTERY			\$34,518
r	860-155	POWER INSTALLATION			\$25,000
ŀ	860-175	SUPERVISION			\$1,000
ŀ	860-275	CONTINGENCY			ψ1,000
_	000 270	CONTINGENCY	Total Tangible		\$364,309
				6400 110	
			Total Daily & Cum Costs	\$162,149	\$3,567,4



Well Name: RK-UTL 3031B-17-1H

AFE #:

Report Date: 11/30/2016

Operation: Completion

ENERGI								
Field:	November 30, 2016	Rig Name:					Report #:	39
Location:	RK-UTL 3031B-17-1H	Supervisor:	J. Wh	nite (D) / Z. V	Vhite (N)	)	Daily Cost:	\$242,303
County:	Ward	Phone:	903-7	36-4232 / 9	03-736-0	0116	Cum Job:	\$3,804,410
State:	TX	Email:	jeffgv	hite@yahoo	o.com / z	acharylar	Job AFE:	
		Total Well AFE:					Cum Well Cost:	\$6,619,634
Frac	stas 26-28 and P&P stas 27-29							

24 Hr Summary:

Continue Frac and Wireline Operations
Forward:

Incidents:

None

JPE Pers: Chris Bairrington Contract Pers: Liberty, Capitan, API, G Conditions: Normal

Critical Comments

#### Time Breakdown

24.0 HRS Activity Summary (6:00am - 6:00am) Stage #26 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 602,876 gals / CTD BLTR - 15,198,955 gals. AR 84 bpm / AP 10,031 psi. From То Hrs Drop rate to 15 bpm to spot 1st 15# biovert (560 psi increase) & 15 bpm to spot 2nd 15# biovert (370 psi increase) 6:00 8:00 2.0 Load gun string into Lubricator. NU lub to WH. Equalize lub RU WL to perf stage #27. Pump guns down to depth. Set flow thrul CFP @ 17440'. Perforate 17259-60 , 17278-79 , 17297-98 , 17316-17 , 17335-36 ,17354-55 , 17373-74 , 17392-93 , 17411-12 , 17430-31 . (4 SPF, 60 deg phasing, .43° EH, 48 total holes). AR 9.2 bpm / Max 10 bpm. AP 5365 psi/ Max 5450 psi POOH 8:00 10:30 10:30 12:00 GE greasing frac stack valves on the frac stack 1.5 Liberty primed up and tested lines to 13,800 psi Stage #27 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 655,746 gals / CTD BLTR - 15,862,303 gals. AR 84 bpm / AP 10,183 psi. Drop rate to 15 bpm to spot 1st 15# biovert (200 psi increase), 15 bpm to spot 2nd 15# biovert (390 psi increase) 15 bpm to spot 3rd 15# biovert (395 psi increase) & 15 bpm to spot 4th 15# biovert (335 psi increase) 12:00 16:30 4.5 Load gun string into lubricator. NU lub to WH. Equalize lub. RU WL to perf stage #28. Pump guns down to depth. Set ball drop plug @ 17,250. Perforate 17,240-41, 17,220-21, 17,202-03, 17,183-84, 17,164-65, 17,145-46, 17,126-27, 17,107-08, 17,090-91, 17,069-70. (4 SPF, 60 deg phasing, .42° EH, 40 total holes). AR 9.5 bpm / Max 10 bpm. AP 5,644 psi/ Max 5,812 psi POOH. 16:30 19:00 Liberty prime up & pressure test treating lines to 13,000 psi. Stage #28 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 671,941 gals / CTD BLTR - 16,541,972 gals. AR 87 bpm / AP 10,371 psi. Drop rate to 15 bpm to spot 1st 15# biovert (570 psi increase), 15 bpm to spot 2nd 15# biovert (450 psi increase) 15 bpm to spot 3rd 15# biovert (250 psi increase) & 15 bpm to spot 4th 15# biovert (290 psi increase) 19:00 23:30 Load gun string into lubricator. NU lub to WH. Equalize lub. RU WL to perf stage #29. Pump guns down to depth. Set ball drop plug @ 17,060. Perforate 17,050-51, 17,031-32, 17,012-13, 16,993-94, 16,974-75, 16,955-56, 16,936-37, 16,917-18, 16,898-99, 16,879-80. (4 SPF, 60 deg phasing, .42" EH, 40 total holes). AR 9 bpm / Max 10 bpm. AP 6,207psi/ Max 6,485 psi POOH. 23:30 2:00 Liberty prime up & pressure test treating lines to 13,000 psi. 2:00

4			Cost Summary		
L	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
L	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (stg 27-29)	\$4,800	\$41,600
L	840-060	HOT OILER			
	840-065	FUEL, POWER			
L	840-070	EQUIPMENT RENTAL		\$601	\$221,495
L	840-071	HOT SHOT TRUCKING			\$4,332
L	840-072	JPE OWNED EQUIP RENTAL		\$525	\$13,650
L	840-100	CEMENT SERV/ FLOAT EQUIP			\$19,222
3 _	840-110	CASING CREW & EQPT			\$13,507
ś  _	840-115	FLOWBACK WATER			
2	840-120	CONTRACT LABOR		\$6,200	\$58,804
	840-130	COMPLETION RIG			\$18,480
	840-135	COILED TUBING			\$431,518
	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$9,000	\$312,534
	840-155	ACIDIZING/FRACTURING		\$217,177	\$2,171,959
	840-160	FLOW TESTING			\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$4,000	\$105,800
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$242,303	\$3,440,101
	860-030	PRODUCTION CASING			\$47,612
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$70,448
	860-060	SUBSURFACE EQUIPMENT			
	860-065	SURFACE EQUIPMENT			\$25,000
	860-080	WELLSITE COMPRESSION			
	860-085	PUMPING UNIT & MOTOR			
-	860-086	RODS			
	860-090	NIPPLE/VALVE/FITTING/FLO			\$60,231
	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
r	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$34,518
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			,
		1	Total Tangible		\$364,309
			Total Daily & Cum Costs	\$242,303	\$3,804,410



Well Name: RK-UTL 3031B-17-1H AFE #: Report Date: 12/01/2016 Operation: Completion

Field:	December 1, 2016	Rig Name:		Report #:	40
Location:	RK-UTL 3031B-17-1H	Supervisor:	J. White (D) / Z. White (N)	Daily Cost:	\$411,243
County:	Ward	Phone:	903-736-4232 / 903-736-0116	Cum Job:	\$4,215,653
State:	TX	Email:	jeffgwhite@yahoo.com / zacharylai	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$7,030,878
24 Hr Summary: Frac	stgs 29-30 and P&P stgs 30-31				

Continue Frac and Wireline Operations 24 Hr Plan Forward: JPE Pers: Chris Bairrington | Contract Pers: Liberty, Capitan, API, G | Conditions: Normal Incidents: None **Critical Comments** 

Time Breakdown Activity Summary (6:00am - 6:00am)
From To Hrs 24.0 HRS Summary

Stage #29 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR - 678,384 gals / CTD BLTR - 17,228,126 gals. AR 88 bpm / AP 10,664 psi. NPT - 0.5 hrs had to shutdown shortly after starting due to the fuel trucks PTO not working. Drop rate to 15 bpm to spot 1st 15# biovert (385 psi increase) & 15 bpm to spot 2nd 15# biovert (485 psi increase) & 15 bpm to spot 3rd 15# biovert (250 psi increase) & 15 bpm to spot 2nd 15# biovert (230 psi increase). 6:00 6:30 0.5 Load gun string into Lubricator. NU lub to WH. Equalize lub RU WL to perf stage #30. Pump guns down to depth. Set flow thrul CFP @ 16870'. Perforate 16689-90 , 16708-09 , 16727-28 , 16746-47 , 16765-66 , 16784-85 , 16803-04 , 16819-20 , 16841-42 , 16860-61 . (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 6.2 bpm / Max 10 bpm. AP 6336 psi/ Max 7560 psi POOH 6:30 9:00 Liberty prime up and pressure test lines to 13,500 psi. Found leak on manifold trailer in a difficult location to fix Liberty found several leaks while trying to pressure test. Also found the lower hydraulic valve on the frac stack to be leaking by. The valve was cycle a few times and it held pressure. Since GE grease unit was nearby we went ahead and had them grease valves while Liberty fixed packing in a pump. While greasing, GE found the bottom manual master valve only getting 7 of 17.5 turns to close. They were able to clean out and free up the valve with their grease. It was tested to ensure it held well pressure. NPT - 7.5 hrs 9:00 16:30 7.5 Stage #30 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 704,311 gals / CTD BLTR - 17,939,661 gals. AR 82 bpm / AP 10,612 psi. Drop rate to 15 bpm to spot 1st 15# biovert (550 psi increase) & 15 bpm to spot 2nd 10# biovert (660 psi increase) & 15 bpm to spot 3rd 10# biovert (400 psi increase) & 15 bpm to spot 2nd 10# biovert (450 psi increase). 16:30 21:00 Load gun string into lubricator. NU lub to WH. Equalize lub. 21:00 22:00 1.0 RIH w/ WL. Unable to pump guns down due to pressure. POOH. 22:00 0:00 2.0 Frac flushed wellbore and spotted 2 acid drops. 20 bpm was achieved after 1st acid drop and 45 bpm after 2nd. 0:00 3:00 3.0 Load gun string into Lubricator. NU lub to WH. Equalize lub RU WL to perf stage #31. Pump guns down to depth. Set flow thru CFP @ 16680'. Perforate 16670-71, 16651-52, 16632-33, 16613-14, 16590-91 16575-76, 16556-57, 16537-38, 16518-19, 16499-00. (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 8.5 bpm / Max 9 bpm. AP 8,123 psi/ Max 8,350 psi POOH 3:00 5:00 2.0 Liberty prime up & pressure test treating lines to 13,000 psi. Continue stage #31 frac operations. 5:00 6:00

Cost	Summarv
COSL	Sullilliai y

1			Cost Summary		
L	Code	Description	Comments	Daily	Cum.
L	840-030	ROAD,LOCATIONS			
L	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (stg 30-31)	\$3,200	\$44,800
L	840-060	HOT OILER			
	840-065	FUEL, POWER			
_	840-070	EQUIPMENT RENTAL		\$601	\$222,096
	840-071	HOT SHOT TRUCKING			\$4,332
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$14,175
	840-100	CEMENT SERV/ FLOAT EQUIP			\$19,222
	840-110	CASING CREW & EQPT			\$13,507
	840-115	FLOWBACK WATER			
_	840-120	CONTRACT LABOR		\$6,200	\$65,004
	840-130	COMPLETION RIG			\$18,480
	840-135	COILED TUBING			\$431,518
	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$6,000	\$318,534
_	840-155	ACIDIZING/FRACTURING		\$147,921	\$2,319,88
	840-160	FLOW TESTING			\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$4,000	\$109,800
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$168,447	\$3,608,54
	860-030	PRODUCTION CASING		\$242,796	\$290,408
_	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$70,448
	860-060	SUBSURFACE EQUIPMENT			
	860-065	SURFACE EQUIPMENT			\$25,000
	860-080	WELLSITE COMPRESSION			<b>V</b> =0,000
	860-085	PUMPING UNIT & MOTOR			
_	860-086	RODS			
_	860-090	NIPPLE/VALVE/FITTING/FLO			\$60,231
	860-100	METERING EQP/TELE			\$25,000
_	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
_	860-120	STRUCTURES & INSULATION			ψ-το,ουυ
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$34,518
	860-155	POWER INSTALLATION			\$25,000
_	000-100				
	960 175	SUPERVISION			\$1,000
	860-175	OOMERICAN		1	1
	860-175 860-275	CONTINGENCY			
_		CONTINGENCY	Total Tangible Total Daily & Cum Costs	\$242,796 \$411,243	\$607,105 \$4,215,65



Well Name: RK-UTL 3031B-17-1H

AFE #:
Report Date: 12/02/2016
Operation: Completion

Field:	December 2, 2016	Rig Name:		Report #:	41			
Location:	RK-UTL 3031B-17-1H	Supervisor:	J. White (D) / Z. White (N)	Daily Cost:	\$183,602			
County:	Ward	Phone:	903-736-4232 / 903-736-0116	Cum Job:	\$4,368,994			
State:	TX	Email:	jeffgwhite@yahoo.com / zacharyla	Job AFE:				
		Total Well AFE:		Cum Well Cost:	\$7,184,218			
Frac stgs 31-32 and P&P stgs 32-33								

24 Hr Summary:

24 Hr Plan
Forward:

Incidents:

None

JPE Pers: Chris Bairrington Contract Pers: Liberty, Capitan, API, Gl Conditions: Normal

Critical Comments

#### Time Breakdown

Activity Summary (6:00am - 6:00am)
From To Hrs 24.0 HRS Summary

Stage #31 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 755,748 gals / CTD BLTR - 18,703,423 gals. AR 76 bpm / AP 9,792 psi. Drop rate to 15 bpm to spot 1st 15# biovert (510 psi increase) & 15 bpm to spot 2nd 10# biovert (430 psi increase) & 15 bpm to spot 3rd 10# biovert (590 psi increase) & 15 bpm to spot 4th 10# biovert (615 psi increase). We were only able to maintain 70 bpm due to pump failures, otherwise the stage treated well. 6:00 10:30 4.5 Load gun string into Lubricator. NU lub to WH. Equalize lub. RIH to perf, but CCL not reading. POOH and re-head Load gun string into Lubricator. NU lub to WH. Equalize lub. RIH with WL to perf stage #32. Pump guns down to depth. Set flow thru CFP @ 16490'. Perforate 16309-10 , 16328-29 , 16347-48 , 16366-67 , 16385-86 , 16404-05 , 16423-24 , 16442-43 , 16461-62 , 16480-81. (4 SPF, 60 deg phasing, .43" EH, 40 total holes). AR 7.2 bpm / Max 9.5 bpm. AP 5682 psi/ Max 6298 psi POOH. 14:30 Liberty prime up and pressure test lines to 13,500 psi
Stage #32 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 695,902 gals / CTD
BLTR - 19,405,835 gals. AR 81 bpm / AP 9,690 psi. 14:30 15:30 1.0 Drop rate to 15 bpm to spot 1st 10# biovert (360 psi increase) & 15 bpm to spot 2nd 10# biovert (510 psi increase) & 15 bpm to spot 3rd 10# biovert (513 psi increase) & 15 bpm to spot 4th 10# biovert (320 psi increase). 15:30 20:00 Load gun string into lubricator. NU lub to WH. Equalize lub. RIH w/ WL. CCL stopped working and had to POOH. Re-headed and inspected tool string. 23:30 20:00 Load gun string into lubricator. NU lub to WH. Equalize lub RIH with WL to perf stage #33. Pump guns down to depth. Set flow thru CFP @ 16300. Perforate 16290-91, 16271-72, 16252-53, 16233-34, 16214-15, 16190-91, 16176-77, 16157-58, 16138-39, 16119-20. (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 9 bpm / Max 10 bpm. AP 5,151 psi/ Max 5,372 psi POOH. 1:30 23:30 GE greasing and flushing out valves on stack. 1:30 3:00 1.5 Liberty prime up & pressure test treating lines to 13,000 psi.
Continue stage #33 frac operations. 3:00 4:00 1.0 4:00 6:00 2.0

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
L	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (stg 32-33)	\$3,200	\$48,000
L	840-060	HOT OILER			
L	840-065	FUEL, POWER			
L	840-070	EQUIPMENT RENTAL		\$601	\$222,69
L	840-071	HOT SHOT TRUCKING			\$4,332
L	840-072	JPE OWNED EQUIP RENTAL		\$525	\$14,700
E	840-100	CEMENT SERV/ FLOAT EQUIP			\$19,22
Г	840-110	CASING CREW & EQPT			\$13,50
Г	840-115	FLOWBACK WATER			
Г	840-120	CONTRACT LABOR		\$6,200	\$71,204
Г	840-130	COMPLETION RIG			\$18,480
Г	840-135	COILED TUBING			\$431,51
Г	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
Г	840-145	PERFORATING/WIRELINE SERV		\$6,000	\$324,53
r	840-155	ACIDIZING/FRACTURING		\$163,076	\$2,452,6
r	840-160	FLOW TESTING			\$22,40
r	840-165	COMPLETE FLUID-FRESH WTR			\$310
r	840-167	COMPLETE FLUID-BRINE			
r	840-175	WELLSITE SUPERVISION		\$4,000	\$113,80
r	840-180	OVERHEAD		<b>\$1,000</b>	<b>\$110,00</b>
r	840-195	P&A/TA COSTS			
H			Total Intangible	\$183,602	\$3,761,8
	860-030	PRODUCTION CASING	Total mangion	<b>V100,002</b>	\$290,40
H	860-035	PRODUCTION LINER			Ψ200,10
r	860-040	PRODUCTION TUBING			
H	860-041	GAS PIPELINE			
H	860-042	WATER PIPELINE			
H	860-043	OIL PIPELINE			
H	860-045	WELLHEAD EQUIPMENT			\$70,44
H	860-060	SUBSURFACE EQUIPMENT			Ψ10, <del>11</del>
H	860-065	SURFACE EQUIPMENT			\$25,00
H	860-080	WELLSITE COMPRESSION			Ψ20,00
H	860-085	PUMPING UNIT & MOTOR			
H	860-086	RODS			
H	860-090	NIPPLE/VALVE/FITTING/FLO			\$60,23
H	860-100	METERING EQP/TELE			\$25,00
H	860-110	TANK STAIRS & WALKWAYS			\$32,00
H	860-115	SEPARATORS & TREATERS			\$43,50
H	860-113	STRUCTURES & INSULATION			φ43,5U
H	860-125				-
H	860-125	SIGNAGE			004.54
H	860-150 860-155	BUILD BATTERY			\$34,51
H	860-155	POWER INSTALLATION			\$25,00
H		SUPERVISION			\$1,000
L	860-275	CONTINGENCY			<u> </u>
			Total Tangible		\$607,10
			Total Daily & Cum Costs	\$183,602	\$4,368,9



Well Name: RK-UTL 3031B-17-1H AFE#: Report Date: 12/03/2016 Operation: Completion

ENERGI				•	•		
Field:	December 3, 2016	Rig Name:				Report #:	42
Location:	RK-UTL 3031B-17-1H	Supervisor:	J. W	nite (D) / Z. White (N	)	Daily Cost:	\$82,126
County:	Ward	Phone:	903-	736-4232 / 903-736-	0116	Cum Job:	\$4,452,320
State:	TX	Email:	jeffgv	vhite@yahoo.com/z	acharyla	Job AFE:	
		Total Well AFE:				Cum Well Cost:	\$7,267,544

Frac stg 33 and P&P stg 34 24 Hr Summary:

24 Hr Plan Forward: Continue Frac and Wireline Operations

Incidents: None JPE Pers: Chris Bairrington Contract Pers: Liberty, Capitan, API, Gil Conditions: Normal Critical Comments

Ianual master not closing completely and lower hydraulic valve not holding positive psi. Cameron set BPV and GE replaced both valves.

			Time Breakdown	
Activity	Summary	(6:00am	- 6:00am)	24.0 HRS
From	То	Hrs	Summary	
			Stage #33 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 707,280 BLTR - 20,119,759 gals. AR 76 bpm / AP 9,107 psi.	gals / CTD
			Liberty developed a high pressure leak on the rear of a pump that had to be fixed. Overflushed 150 bbls before shutting down. Pump than normal due to liberty losing 5 pumps during the stage. We had to cut prop and flush during 2.0 ppg 40/70 white.	time was longe
6:00	9:30	3.5	Dropped rate to 15 bpm to spot 1st 10# biovert (260 psi increase), 15 bpm to spot 2nd 10# biovert (250 psi increase), 15 bpm to spot 2nd 10# biovert (250 psi increase), and 4th 10# biovert (270 psi increase)	3rd 10# biovert
0.00	9.30	3.3	Load gun string into lubricator. NU lub to WH. Equalize lub.	
9:30	12:00	2.5	RIH with WL to perf stage #33. Pump guns down to depth. Set flow thru CFP @ 16112'. Perforate 16100-01 , 16081-82 , 16062-63 , 16024-25 , 16005-06 , 15986-87 , 15967-68 , 15948-49 , 15930-31. (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 8.5 bpm / N 5414 psi/ Max 5657 psi POOH.	
0.00	12.00	2.0	GE will grease valves.	
			The bottom manual master valve will not close. 8 of 17 1/2 turns. The lower hydraulic valve also leaking by while testing. This has be the decision was made to replace both valves	een an issue so
			Liberty rigging down risers and getting iron out of the way. GE taking down Frac stack to the lower manual valve to prepare for Came hanger with BPV.	eron to place a
12:00	20:00	8.0	Cameron set BPV. GE replaced manual master valve. Cameron removed BPV. Well secured.	
20:00	4:00	8.0	· ·	
4:00	6:00	2.0	GE installing new lower hydraulic valve and nippling up remainder of frac stack.	
	-			

- 1			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (stg 34)	\$1,600	\$49,600
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL		\$601	\$223,298
	840-071	HOT SHOT TRUCKING			\$4,332
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$15,225
	840-100	CEMENT SERV/ FLOAT EQUIP			\$19,222
g _	840-110	CASING CREW & EQPT			\$13,507
Intangible Costs	840-115	FLOWBACK WATER			
<u>•</u>	840-120	CONTRACT LABOR		\$6,200	\$77,404
윤 _	840-130	COMPLETION RIG			\$18,480
ᇤ	840-135	COILED TUBING			\$431,518
⊆ _	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$3,000	\$328,734
	840-155	ACIDIZING/FRACTURING		\$66,200	\$2,518,895
	840-160	FLOW TESTING			\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$4,000	\$117,800
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$82,126	\$3,845,215
	860-030	PRODUCTION CASING			\$290,408
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$70,448
	860-060	SUBSURFACE EQUIPMENT			
	860-065	SURFACE EQUIPMENT			\$25,000
	860-080	WELLSITE COMPRESSION			
	860-085	PUMPING UNIT & MOTOR			
	860-086	RODS			
,	860-090	NIPPLE/VALVE/FITTING/FLO			\$60,231
	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$34,518
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			Ţ.,
		CONTINUENCE	Total Tangible		\$607,105
			Total Daily & Cum Costs	\$82,126	\$4,452,320



860-085 860-086

860-090 860-100

860-110 860-115

860-120

860-125

860-150

860-155

860-175

860-275

PUMPING UNIT & MOTOR RODS NIPPLE/VALVE/FITTING/FLO

METERING EQP/TELE

TANK STAIRS & WALKWAYS

SEPARATORS & TREATERS

STRUCTURES & INSULATION

SIGNAGE

BUILD BATTERY

POWER INSTALLATION

SUPERVISION

CONTINGENCY

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## **DAILY COMPLETIONS REPORT**

Well Name: RK-UTL 3031B-17-1H

AFE #:

Report Date: 12/04/2016

Operation: Completion

\$60,231

\$25,000

\$32,000

\$43,500

\$34,518

\$25,000

\$1,000

\$607,105

\$4,468,246

\$15,926

Field:	December 4, 2016	Rig Name:		Report #:	43
Location:	RK-UTL 3031B-17-1H	Supervisor:	J. White (D) / Z. White (N)	Daily Cost:	\$15,926
County:	Ward	Phone:	903-736-4232 / 903-736-0116	Cum Job:	\$4,468,246
State:	TX	Email:	jeffgwhite@yahoo.com / zacharyla	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$7,283,470

24 Hr Summary:

| Continue Frac and Wireline Operations | Forward: | Incidents: | None | JPE Pers: | Chris Bairrington | Contract Pers: | Liberty, Capitan, API, G| Conditions: | Normal

Critical Comments
Prior to resuming operations, GE finished nippling up and torqueing frac stack. Liberty rigged lines back up to wellhead.

			Time Breakdown				
	Summary	<u> </u>					
From	То	Hrs	Summary				
6:00	7:30	1.5	GE nippling up and torqueing remainder of frac stack.				
7:30	10:00	2.5	Liberty rigging up to well head.				
			starting up equipment to prepare to prime and test.				
10:00	14:00	4.0	Tested iron and frac stack down to the bottom manual valve to 13,500 psi.				
Stage #34 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 699,027 gals / CBLTR - 20,824,729 gals. AR - 83 bpm / AP - 9,184 psi.							
14:00	19:00	5.0	Drop rate to 15 bpm to spot 1st 10# biovert (330 psi increase) & 15 bpm to spot 2nd 10# biovert (225 psi increase) & 15 bpm to spot 3rd 10# biovert (340 psi increase) & 15 bpm to spot 4th 10# biovert (105 psi increase).				
19:00	23:30	4.5	Load gun string into lubricator. NU lub to WH. Equalize lub. WL had to get on and off of the well and lay lub down twice due to their vent sub not function correctly.				
RU WL to perf stage #35. Pump guns down to depth. Set ball drop plug @ 15,920. Perforate 15,910-11, 15,891-92, 15,872-15,834-35, 15,815-16, 15,796-97, 15,777-78, 15,758-59, 15,739-40. (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 9.3 AP 5,502 psi/ Max 5,772 psi POOH.							
			Liberty prime up & pressure test treating lines to 13,000 psi.				
			Stage #35 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 642,558 gals / CTD BLTR - 21,473,713 gals. AR - 83 bpm / AP - 9,945 psi.				
1:30	5:30	4.0	Drop rate to 15 bpm to spot 1st 10# biovert (250 psi increase) & 15 bpm to spot 2nd 10# biovert (180 psi increase) & 15 bpm to spot 3rd 10# biovert (300 psi increase) & 15 bpm to spot 4th 10# biovert (250 psi increase).				
5:30	6:00	0.5	Liberty swapping blenders because of a bad mechanical seal on the discharge pump.				
0.00	0.00	0.0					
_							

	1 1	1	Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (stg 35)	\$1,600	\$51,200
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL		\$601	\$223,899
	840-071	HOT SHOT TRUCKING			\$4,332
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$15,750
	840-100	CEMENT SERV/ FLOAT EQUIP			\$19,222
ts _	840-110	CASING CREW & EQPT			\$13,507
Sosi	840-115	FLOWBACK WATER			
e C	840-120	CONTRACT LABOR		\$6,200	\$83,604
gig	840-130	COMPLETION RIG			\$18,480
Intangible Costs	840-135	COILED TUBING			\$431,518
= □	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$3,000	\$331,734
	840-155	ACIDIZING/FRACTURING			\$2,518,895
	840-160	FLOW TESTING			\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$4,000	\$121,800
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$15,926	\$3,861,141
	860-030	PRODUCTION CASING			\$290,408
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$70,448
	860-060	SUBSURFACE EQUIPMENT			
S	860-065	SURFACE EQUIPMENT			\$25,000
Costs	860-080	WELLSITE COMPRESSION			
O	000 005	DUBARING LINUT & MOTOR			

Total Tangible

Total Daily & Cum Costs

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Well Name: RK-UTL 3031B-17-1H AFE #: Report Date: 12/05/2016 Operation: Completion

ENERGI				•	•		
Field:	December 5, 2016	Rig Name:				Report #:	44
Location:	RK-UTL 3031B-17-1H	Supervisor:	J. Wł	nite (D) / Z. White (N	)	Daily Cost:	\$94,037
County:	Ward	Phone:	903-7	736-4232 / 903-736-	0116	Cum Job:	\$4,711,211
State:	TX	Email:	jeffgv	vhite@yahoo.com/z	acharylar	Job AFE:	
		Total Well AFE:				Cum Well Cost:	\$7.526,435

Frac stg 36 and P&P stgs 36-37 24 Hr Summary:

24 Hr Plan Forward: Continue Frac and Wireline Operations

JPE Pers: Chris Bairrington Contract Pers: Liberty, Capitan, API, G Conditions: Normal Critical Comments Incidents:

			Time Breakdown	
Activity	Summary	(6:00am ·	- 6:00am) 24.0	HRS
From	То	Hrs	Summary	
6:00	7:00	1.0	Liberty switching out blenders	
			Load gun string into lubricator. NU lub to WH. Equalize lub.	
7:00	8:00	1.0	RIH with WL to perf stage #36. CCL quit reading. POOH to rehead	
8:00	9:00	1.0	WL rehead prior to RIH again for stage 36	
0.00	0.00		Load gun string into lubricator. NU lub to WH. Equalize lub.	
9:00	11:00	2.0	RIH with WL to perf stage #36. Pump guns down to depth. Set flow thru CFP @15,755'. Perforate 15,714-15 , 15,701-02 , 15,682-83 , 15,663-15,644-45 , 15,625-26 , 15,606-07 , 15,587-88 , 15,568-69, 15,549-50. (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 9.5 bpm / Max 10 AP 5,964 psi/ Max 6,089 psi POOH.	64 , bpm.
11:00	11:30	0.5	Liberty prime up and test lines to 13,500 psi	
11.00	11:30	0.5	Stage #36 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – ,684,432 gals / C1 BLTR - 22,164,151 gals. AR 79 bpm / AP 9,758 psi.	TD
11:30	17:30	6.0	Drop rate to 15 bpm to spot 1st 15# biovert (375 psi increase) & 15 bpm to spot 2nd 10# biovert (300 psi increase) & 15 bpm to spot 3rd 10# biovert (265 psi increase) & 15 bpm to spot 4th 10# biovert (265 psi increase).	overt
			Load gun string into lubricator. NU lub to WH. Equalize lub.	
17:30	20:00	2.5	RU WL to perf stage #37. Pump guns down to depth. Set ball drop plug @ 15,540. Perforate 15,526-27, 15,511-12, 15,492-93, 15,473-74, 15,454-55, 15,435-36, 15,416-17, 15,397-98, 15,378-79, 15,362-63. (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 9.5 bpm / Max 10 bp AP 6,021 psi/ Max 6,250 psi POOH.	pm.
			Liberty repairing blenders suction pump. Stand by blender being repaired at their yard.	
20:00	2:00	6.0	NPT - 6 hrs	
			Continue stage #37 frac operations.	
2:00	6:00	4.0	NPT - 1.5 hrs water transfer couldn't maintain rate and job was shutdown during 1st cycle so they could rearrange suction hoses.	

		,	Cost Summary		
	Code	Description	Comments	Daily	Cum.
-	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (stg 36-37)	\$3,200	\$54,400
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL		\$601	\$224,500
	840-071	HOT SHOT TRUCKING			\$4,332
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$16,275
	840-100	CEMENT SERV/ FLOAT EQUIP			\$19,222
2	840-110	CASING CREW & EQPT			\$13,507
So	840-115	FLOWBACK WATER			
e _	840-120	CONTRACT LABOR		\$6,200	\$93,874
Intangible Costs	840-130	COMPLETION RIG			\$18,480
an –	840-135	COILED TUBING			\$431,518
Ĕ  -	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$6,000	\$337,734
	840-155	ACIDIZING/FRACTURING		\$73,511	\$2,737,264
	840-160	FLOW TESTING		<b>Q. 0,0</b>	\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			<b>\$0.0</b>
	840-175	WELLSITE SUPERVISION		\$4,000	\$125,800
	840-180	OVERHEAD		<b>\$1,000</b>	<b>ψ.20,000</b>
	840-195	P&A/TA COSTS			
		1 47 17 00010	Total Intangible	\$94,037	\$4,104,106
_	860-030	PRODUCTION CASING	Total intangible	ψ54,051	\$290,408
	860-035	PRODUCTION LINER			Ψ200,100
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
-	860-042	WATER PIPELINE	+		+
-	860-043	OIL PIPELINE			+
-	860-045	WELLHEAD EQUIPMENT			\$70,448
-	860-060	SUBSURFACE EQUIPMENT			\$70,448
-	860-065				<b>COT 000</b>
-	860-080	SURFACE EQUIPMENT			\$25,000
	860-085	WELLSITE COMPRESSION			
	860-085	PUMPING UNIT & MOTOR			
-		RODS			000.001
	860-090	NIPPLE/VALVE/FITTING/FLO			\$60,231
	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$34,518
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			1
			Total Tangible		\$607,105

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Well Name: RK-UTL 3031B-17-1H

AFE #:
Report Date: 12/06/2016
Operation: Completion

=11=11-01							
Field:	December 6, 2016	Rig Name:				Report #:	45
Location:	RK-UTL 3031B-17-1H	Supervisor:	J. Wł	nite (D) / Z. White (N	)	Daily Cost:	\$242,961
County:	Ward	Phone:	903-7	736-4232 / 903-736-	0116	Cum Job:	\$4,954,172
State:	TX	Email:	jeffgv	vhite@yahoo.com/z	zacharylar	Job AFE:	
		Total Well AFE:				Cum Well Cost:	\$7,769,397

24 Hr Summary: Frac stgs 37-39 / P&P stgs 38-40

24 Hr Plan Continue Frac / Wireline Operations

Incidents: None JPE Pers: Chris Bairrington Contract Pers: Liberty, Capitan, API, G Conditions: Normal

Critical Comments

Time Breakdown

Activity	ctivity Summary (6:00am - 6:00am)					
From	То	Hrs	Summary			
			Stage #37 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 702,135 gals / BLTR - 22,871,746 gals. AR 76 bpm / AP 9,792 psi.	CTD		
			NPT - Liberty fixing blenders suction pump. Standby blender at shop also being fixed (6 hrs). Had to shutdown during 1st cycle due to wate not keeping up (1.5 hrs). Otherwise, good stage.	er transfer		
			Dropped rate to 15 bpm to spot 1st 10# biovert (290 psi increase), 15 bpm to spot 2nd 10# biovert (270 psi increase), 15 bpm to spot 3rd 10 (250 psi increase), and 4th 10# biovert (200 psi increase)	# biovert		

6:00 8:00 2.0 Load gun string into lubricator. NU lub to WH. Equalize lub.

RIH with WL to perf stage #38. Pump guns down to depth. Set flow thru CFP @ 15354'. Perforate 15340-41, 15321-22, 15302-03, 15283-84, 15264-65, 15245-46, 15226-27, 15207-08, 15188-89, 15173-74 (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 8 bpm / Max 10 bpm. AP 5007 psi/ Max 6197 psi POOH.

NPT - Liberty developed a high pressure leak on a chicksan connected to the goat head at the end of the first cycle. Over flushed 100 bbls before shutting down to fix.

Dropped rate to 15 bpm to spot 1st 12.5# biovert (160 psi increase), 15 bpm to spot 2nd 15# biovert (345 psi increase), 15 bpm to spot 3rd 15# biovert (230 psi increase), and 4th 15# biovert (290 psi increase).

Load gun string into lubricator. NU lub to WH. Equalize lub.

RIH with WL to perf stage #39. Pump guns down to depth. Set flow thru CFP @ 15160'. Perforate 15150-51 , 15131-32 , 15112-13 , 15093-94 , 15074-75 , 15055-56 , 15038-39 , 15017-18 , 14998-99 , 14979-80 (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 8 bpm / Max 10 bpm. AP 5464 psi/ Max 6094 psi POOH.

18:30 20:30 2.9 Liberty performing pump maintenance.

Liberty performing pump maintenance.

Liberty prime up and test lines to 13,000 psi.

Stage #39 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 661,794 gals / CTD BLTR - 24,217,770 gals. AR 84 bpm / AP 8,934 psi.

NPT - 3.5 hrs - The wellhead developed a leak after the 3rd cycle. GE greased and torqued stack.

Dropped rate to 15 bpm to spot 1st 10# biovert (350 psi increase), 15 bpm to spot 2nd 10# biovert (390 psi increase), 15 bpm to spot 3rd 10# biovert (180 psi increase), and 4th 10# biovert (180 psi increase).

Load gun string into lubricator. NU lub to WH. Equalize lub.

RIH with WL to perf stage #40. Pump guns down to depth. Set flow thru CFP @ 14970. Perforate 14960-61, 14941-42, 14922-23, 14903-04, 14884-85, 14865-66, 14846-47, 14827-28, 14808-09, 14789-90 (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 9.5 bpm / Max 10 bpm. AP 4:00 6:00 2.0

4:00 6:00 2.0 5490 psi/ Max 5797 psi POOH.

	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (stg 38-40)	\$4,800	\$59,200
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL		\$601	\$225,101
	840-071	HOT SHOT TRUCKING			\$4,332
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$16,800
	840-100	CEMENT SERV/ FLOAT EQUIP			\$19,222
ţţ	840-110	CASING CREW & EQPT			\$13,507
လ	840-115	FLOWBACK WATER			
<u>e</u>	840-120	CONTRACT LABOR		\$6,200	\$100,074
Intangible Costs	840-130	COMPLETION RIG			\$18,480
au	840-135	COILED TUBING			\$431,518
트	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$9,000	\$346,734
	840-155	ACIDIZING/FRACTURING		\$217,835	\$2,955,099
	840-160	FLOW TESTING			\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$4,000	\$129,800
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$242,961	\$4,347,067
	860-030	PRODUCTION CASING			\$290,408
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$70,448
	860-060	SUBSURFACE EQUIPMENT			
ြ	860-065	SURFACE EQUIPMENT			\$25,000
ost	860-080	WELLSITE COMPRESSION			
ပ်	860-085	PUMPING UNIT & MOTOR			
힐	860-086	RODS			
Tangible Costs	860-090	NIPPLE/VALVE/FITTING/FLO			\$60,231
μ̈	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$34,518
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			
			Total Tangible		\$607,105
			Total Daily & Cum Costs	\$242,961	\$4,954,172
		www.wellez.com	WellEz Information Management LLC ver_1.14.14bg		



Well Name: RK-UTL 3031B-17-1H

AFE #:

Report Date: 12/08/2016

Operation: Completion

=11=11-01							
Field:	December 8, 2016	Rig Name:		-		Report #:	47
Location:	RK-UTL 3031B-17-1H	Supervisor:	J. Wh	nite (D) / Z. White (N)	)	Daily Cost:	\$234,961
County:	Ward	Phone:	903-7	736-4232 / 903-736-0	0116	Cum Job:	\$5,242,731
State:	TX	Email:	jeffgv	vhite@yahoo.com/z	acharylar	Job AFE:	
		Total Well AFE:				Cum Well Cost:	\$8,057,956
Eroo	stages 41 42 / Plug & Porfictages 42 44						

24 Hr Summary: Frac stages 41 - 43 / Plug & Perf stages 42 - 44

24 Hr Plan
Forward: Continue Frac / Wireline Operationss
Incidents: None JPE Pers: Chris Bairrington Contract Pers: Liberty, Capitan, API, Gi Conditions: Normal

Critical Comments

			Time Breakdown					
Activity	Summary	(6:00am -	6:00am) 24.0 HRS					
From	То	Hrs	Summary					
			Waiting on another supply line to be laid to the pit prior to starting stage 41.					
6:00	7:30	1.5	Liberty prime up and pressure test lines to 13,200 psi.					
			Stage #41 Frac. All Frac details are updated on job tracking & sent to Denver post job. BLTR – 556,105 gals / CTD BLTR - 25,405,975 gals. AR 8 bpm / AP 10,252 psi.					
7:30	11:00	3.5	NPT - Waiting for an additional supply line to be ran to the UTL water pit to keep up with daily frac requirements. Dropped rate to 15 bpm to spot 1st 15# biovert (680 psi increase), 15 bpm to spot 2nd 10# biovert (1045 psi increase), No diverter used on 3rd cycle. We were unable to pump the 5th cycle due to pressure response on cycle 4.					
			Load gun string into lubricator. NU lub to WH. Equalize lub.					
			RIH with WL to perf stage #42. Pump guns down to depth. Set flow thru CFP @ 14590'. Perforate 14580-81, 14561-62, 14544-45, 14523-24, 14504-05, 14485-86, 14466-67, 14447-48, 14428-29, 14412-13 (4 SPF, 60 deg phasing, .37* EH, 40 total holes). AR 7.4 bpm / Max 9.6 bpm. AP 6808 psi/ Max 7960 psi POOH.					
11:00	13:30	2.5	SE greasing valves on frac stack					
13:30	14:00	0.5						
14:00	14:30	0.5	Liberty prime up and test lines to 13,200 psi					
			Stage #42 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 641,441 gals / CTD BLTR – 26,051,658 gals. AR 79 bpm / AP 9161 psi.					
44.00	40.00		Drop rate to 15 bpm to spot 1st 10# biovert (900 psi increase) & 15 bpm to spot 2nd 7.5# biovert (660 psi increase) & 15 bpm to spot 3rd 5# biovert (450 psi increase) & 15 bpm to spot 4th 5# biovert (400 psi increase).					
14:30	19:00	4.5	Load gun string into lubricator. NU lub to WH. Equalize lub.					
19:00	21:00	2.0	RU WL to perf stage #43. Pump guns down to depth. Set ball drop plug @ 14366. Perforate 14390-91, 14371-72, 14352-53, 14333-34, 14314-15, 14295-96, 14270-71, 14257-58, 14238-39, 14219-20. (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 9 bpm / Max 10 bpm. AP 5343 psi/ Max 5125 psi POOH.					
			Liberty finishing pump maintenance.					
21:00	22:00	1.0	Liberty prime up & pressure test treating lines to 13,000 psi.					
			Stage #43 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 661,962 gals / CTD BLTR - 26,718,173 gals. AR 78 bpm / AP 9,014 psi.					
22:00	2:30	4.5	Drop rate to 15 bpm to spot 1st 10# biovert (250 psi increase) & 15 bpm to spot 2nd 10# biovert (260 psi increase) & 15 bpm to spot 3rd 10# biovert (380 psi increase) & 15 bpm to spot 4th 10# biovert (390 psi increase).					
			Load gun string into lubricator. NU lub to WH. Equalize lub.					
2:20	4:20	2.0	RU WL to perf stage #44. Pump guns down to depth. Set ball drop plug @ 14210. Perforate 14200-21, 14180-81, 14162-63, 14143-44, 14124-25, 14105-06, 14086-87, 14067-68, 14043-44, 14029-40. (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 9 bpm / Max 10 bpm. AP 6233 psi/ Max 5819 psi POOH.					
2:30	4:30	2.0	Liberty prime up & pressure test treating lines to 13,000 psi.					
4:30	6:00	1.5	Continue stage #44 frac operations.					
	1	1						

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1,600 ea (Stg. 42-44)	\$4,800	\$65,600
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL		\$701	\$226,403
	840-071	HOT SHOT TRUCKING		\$1,070	\$5,402
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$17,850
	840-100	CEMENT SERV/ FLOAT EQUIP	CWS fresh water	\$1,045	\$20,267
<u>ا</u> ي	840-110	CASING CREW & EQPT			\$13,507
Intangible Costs	840-115	FLOWBACK WATER			
<u>e</u>	840-120	CONTRACT LABOR		\$10,664	\$116,938
흅 _	840-130	COMPLETION RIG			\$18,480
ᇤᆫ	840-135	COILED TUBING			\$431,518
≦ _	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$9,000	\$358,734
	840-155	ACIDIZING/FRACTURING		\$203,156	\$3,224,285
	840-160	FLOW TESTING			\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$4,000	\$137,800
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$234,961	\$4,663,983
	860-030	PRODUCTION CASING			\$290,408
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$70,448
	860-060	SUBSURFACE EQUIPMENT			
,  _	860-065	SURFACE EQUIPMENT			\$25,000
3  _	860-080	WELLSITE COMPRESSION			
3 ∟	860-085	PUMPING UNIT & MOTOR			
L	860-086	RODS			
	860-090	NIPPLE/VALVE/FITTING/FLO			\$31,874
_	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$34,518
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			
			Total Tangible		\$578,748
			Total Daily & Cum Costs	\$234,961	\$5,242,731

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Incidents:

None

# **DAILY COMPLETIONS REPORT**

Well Name: RK-UTL 3031B-17-1H AFE #: Report Date: 12/09/2016

\$123,138 \$18,480 \$431,518 \$4,490 \$364,734 \$3,437,843

ENERGY					Operation: Comple	etion	
Field:		December 9, 2016	Rig Name:			Report #:	48
Location:		RK-UTL 3031B-17-1H	Supervisor:	J. W	hite (D) / Z. White (N)	Daily Cost:	\$234,084
County:		Ward	Phone:	903-	736-4232 / 903-736-0116	Cum Job:	\$5,490,315
State:		TX	Email:	jeffgv	white@yahoo.com / zacharylar	Job AFE:	
			Total Well AFE:			Cum Well Cost:	\$8,305,540
24 Hr Summary:	Frac	stages 44 - 46 / Plug &Perf stages 45 - 46					
24 Hr Plan Forward:	Cont	tinue Frac / Wireline operations					

JPE Pers: | Chris Bairrington / | Contract Pers: | Liberty, Capitan, API, G | Conditions: | Normal Critical Comments

			Time Breakdown	
Activity	Summary	(6:00am -	- 6:00am)	24.0 HRS
From	То	Hrs	Summary	
			Stage #44 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 671,479 BLTR - 27,394,087 gals. AR 82 bpm / AP 9,407 psi.  Drop rate to 15 bpm to spot 1st 10# biovert (580 psi increase) & 15 bpm to spot 2nd 10# biovert (340 psi increase) & 15 bpm to spot 2nd 10# biovert (3	
6:00	9:00	3.0	(390 psi increase) & 15 bpm to spot 4th 10# biovert (770 psi increase).	ord 10# blovert
			Load gun string into lubricator. NU lub to WH. Equalize lub.	
9:00	11:00	2.0	RIH with WL to perf stage #45. Pump guns down to depth. Set flow thru CFP @ 14020'. Perforate 14010-11 , 13991-92 , 13972-73 , 13934-35 , 13915-16 , 13896-97 , 13877-78 , 13858-59 , 13839-40 (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 7.6 bp bpm. AP 4958 psi/ Max 5712 psi POOH.	
11:00	12:30	1.5	GE greasing valves on Frac stack	
12:30	13:00	0.5	Liberty prime up and test lines to 13,200 psi	
12.00	10.00	0.0	Stage #45 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 638,841 BLTR - 28,036,645 gals. AR 84 bpm / AP 9,495 psi.	gals / CTD
13:00	17:00	4.0	Drop rate to 15 bpm to spot 1st 10# biovert (720 psi increase) & 15 bpm to spot 2nd 10# biovert (610 psi increase) & 15 bpm to spot 3 (860 psi increase) & 15 bpm to spot 4th 10# biovert (585 psi increase).	3rd 10# biovert
			Load gun string into lubricator. NU lub to WH. Equalize lub.	
17:00	19:00	2.0	RIH with WL to perf stage #46. Pump guns down to depth. Set flow thru CFP @ 13830. Perforate 13820-21, 13801-02, 13782-83, 13 13744-45, 13725-26, 13706-07, 13684-85, 13668-69, 13652-53. (4 SPF, 60 deg phasing, .37* EH, 40 total holes). AR 9 bpm / Max 1 psi/ Max 9557 psi POOH.	
17.00	10.00	2.0	Accumulator not functioning. GE called to location to swap.	
			What was a subject to the second subject to	
19:00	1:00	6.0	Liberty prime up and test lines to 13,000 psi	
			Stage #46 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 654,528 BLTR - 28,694,953 gals. AR 85 bpm / AP 9,391 psi.	gals / CTD
1:00	5:00	4.0	Drop rate to 15 bpm to spot 1st 10# biovert (250 psi increase) & 15 bpm to spot 2nd 10# biovert (430 psi increase) & 15 bpm to spot 3 (585 psi increase) & 15 bpm to spot 4th 10# biovert (350 psi increase).	3rd 10# biovert
			Load gun string into lubricator. NU lub to WH. Equalize lub.	
			Continue stage #47 wireline operations.	
5:00	6:00	1.0	Continue stage ### wheline operations.	
	<u></u>			

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
İ	840-030	ROAD,LOCATIONS			
-	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1,600 ea (Stg. 45-46)	\$3,200	\$68,800
	840-060	HOT OILER			
ľ	840-065	FUEL, POWER			
ľ	840-070	EQUIPMENT RENTAL		\$601	\$227,004
	840-071	HOT SHOT TRUCKING			\$5,402
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$18,375
	840-100	CEMENT SERV/ FLOAT EQUIP			\$20,267
ts	840-110	CASING CREW & EQPT			\$13,507
Costs	840-115	FLOWBACK WATER			
9 C	840-120	CONTRACT LABOR		\$6,200	\$123,138
Intangible	840-130	COMPLETION RIG			\$18,480
tan	840-135	COILED TUBING			\$431,518
=	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$6,000	\$364,734
	840-155	ACIDIZING/FRACTURING		\$213,558	\$3,437,843
	840-160	FLOW TESTING			\$22,400
ľ	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$4,000	\$155,300
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$234,084	\$4,911,567
	860-030	PRODUCTION CASING			\$290,408
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			

	840-175	WELLSITE SUPERVISION		\$4,000	\$155,300
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$234,084	\$4,911,567
	860-030	PRODUCTION CASING			\$290,408
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$70,448
	860-060	SUBSURFACE EQUIPMENT			
s	860-065	SURFACE EQUIPMENT			\$25,000
Tangible Costs	860-080	WELLSITE COMPRESSION			
ŭ	860-085	PUMPING UNIT & MOTOR			
ള	860-086	RODS			
lg.	860-090	NIPPLE/VALVE/FITTING/FLO			\$31,874
ř	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$34,518
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			
			Total Tangible		\$578,748
			Total Daily & Cum Costs	\$234,084	\$5,490,315
		www.wellez.com	WellEz Information Management LLC ver_1.14.14bg		-



Well Name: RK-UTL 3031B-17-1H AFE #: Report Date: 12/10/2016 Operation: Completion

Field:	December 10, 2016	Rig Name:		Report #:	49
Location:	RK-UTL 3031B-17-1H	Supervisor:	J. White (D) / Z. White (N)	Daily Cost:	\$234,488
County:	Ward	Phone:	903-736-4232 / 903-736-0116	Cum Job:	\$5,724,804
State:	TX	Email:	jeffgwhite@yahoo.com / zacharyla	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$8,540,028

24 Hr Summary: Frac stages 47 - 49 / Plug & Perf stages 47 - 50 24 Hr Plan Forward: ue Frac and Wireline opera JPE Pers: | Chris Bairrington / | Contract Pers: | Liberty, Capitan, API, G | Conditions: | Normal Critical Comments Incidents:

Time Breakdown

Activity	Summary	(6:00am	Time Breakdown - 6:00am)	24.0 HRS
From	To	Hrs	Summary	24.0 1110
110111	- 10	1113	Load gun string into lubricator. NU lub to WH. Equalize lub.	
6:00	7:00	1.0	RIH with Uto perf stage #47. Pump guns down to depth. Set flow thru CFP @ 13644*. Perforate 13630-31 , 13611-12 , 13592-13554-55 , 13535-36 , 13516-17 , 13497-98 , 13478-79 , 13460-61 (4 SPF, 60 deg phasing, .37* EH, 40 total holes). AR 7.2 bpm 5012 psi/ Max 5407 psi POOH.	
0.00	7.00	1.0	Liberty finish up maintenance on a pump prior to frac.	
7:00	8:30	1.5	Primed up and tested lines to 13,200 psi	
			Stage #47 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 661 BLTR - 29,359,477 gals. AR 83 bpm / AP 8,747 psi.	,668 gals / CTD
8:30	12:30	4.0	Drop rate to 15 bpm to spot 1st 10# biovert (480 psi increase) & 15 bpm to spot 2nd 10# biovert (590 psi increase) & 15 bpm to spot (555 psi increase) & 15 bpm to spot 4th 10# biovert (370 psi increase).	pot 3rd 10# biovert
			Load gun string into lubricator. NU lub to WH. Equalize lub	
12:30	14:00	1.5	API could not catch seal. Determined that the diesel used to thin the grease had settled at the bottom of the tank. Switched to arable to hold seal.	nother tank and was
14:00	15:30	1.5	RIH with WL to perf stage #48, Pump guns down to depth. Set flow thru CFP @ 13450°. Perforate 13440-41 , 13421-22 , 13402-13384-85 , 13345-46 , 13326-27 , 13307-08 , 13288-89 , 13269-70 (4 SPF, 60 deg phasing, 37° EH, 40 total holes). AR 6.7 bpm 5586 psi/ Max 6726 psi POOH.	03 , 13383-84 , / Max 10.4 bpm. Af
	10.00	1.0	Liberty prime up and pressure test lines to 13,200 psi	
			Stage #48 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job cut 35K lbs short due to psi response BLTR – 632,121 gals / CTD BLTR - 29,994,622 gals. AR 83 bpm / AP 9,320 psi.	e during 5th cycle.
15:30	20:00	4.5	Drop rate to 15 bpm to spot 1st 10# biovert (560 psi increase) & 15 bpm to spot 2nd 10# biovert (360 psi increase) & 15 bpm to spot 300 psi increase) & 15 bpm to spot 4th 10# biovert (150 psi increase).	oot 3rd 10# biovert
20:00	20:30	0.5	Load gun string into lubricator. NU lub to WH. Equalize lub.	
20:30	22:00	1.5	RIH with WL to perf stage #49. Pump guns down to depth. Set flow thru CFP @ 13260. Perforate 13250-51, 13230-31, 13212-13174-75, 13155-56, 13136-37, 13117-18, 13097-98, 13079-80 (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 9.2 bpm / 17,763 psi/ Max 8,111 psi POOH.	
22:00	23:00	1.0	GE greasing frac stack.	
			Liberty prime up and pressure test lines to 13,000 psi	
			Stage #49 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job cut 45K lbs short due to psi response BLTR – 625,254 gals / CTD BLTR - 30,622,648 gals. AR 79 bpm / AP 9,476 psi.	e during 5th cycle.
23:00	3:30	4.5	Drop rate to 15 bpm to spot 1st 10# biovert (500 psi increase) & 15 bpm to spot 2nd 10# biovert (250 psi increase) & 15 bpm to s (200 psi increase) & not diverter on 5th cycle.	oot 3rd 5# biovert
			Load gun string into lubricator. NU lub to WH. Equalize lub.	
			RIH with WL to perf stage #50. Pump guns down to depth. Set flow thru CFP @ 13070. Perforate 13060-61, 13041-42, 13022-2: 12984-85, 12962-63, 12946-47, 12927-28, 12908-09, 12889-90 (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 8.5 bpm / N psi/ Max 7,792 psi POOH.	3, 13003-04, lax 9 bpm. AP 7,60
3:30	5:00	1.5		
			Liberty prime up and pressure test lines to 13,000 psi	
5:00	6:00	1.0	Continue stage #50 frac operations.	
	l	1		

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1,600 ea (Stg. 47-50)	\$6,400	\$75,200
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL		\$601	\$227,605
	840-071	HOT SHOT TRUCKING			\$5,402
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$18,900
	840-100	CEMENT SERV/ FLOAT EQUIP			\$20,267
क	840-110	CASING CREW & EQPT			\$13,507
Sos	840-115	FLOWBACK WATER			
<u>e</u>	840-120	CONTRACT LABOR		\$6,200	\$129,338
l g	840-130	COMPLETION RIG			\$18,480
Intangible Costs	840-135	COILED TUBING			\$431,518
≟	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$12,000	\$376,734
	840-155	ACIDIZING/FRACTURING		\$204,762	\$3,642,605
	840-160	FLOW TESTING			\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$4,000	\$159,300
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$234,488	\$5,146,056
	860-030	PRODUCTION CASING			\$290,408
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$70,448
	860-060	SUBSURFACE EQUIPMENT			
S	860-065	SURFACE EQUIPMENT			\$25,000
Tangible Costs	860-080	WELLSITE COMPRESSION			
ပ	860-085	PUMPING UNIT & MOTOR			
<u>ē</u>	860-086	RODS			
lg	860-090	NIPPLE/VALVE/FITTING/FLO			\$31,874
<b>F</b>	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$34,518
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			
			Total Tangible		\$579.749

Total Tangible
Total Daily & Cum Costs

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\$578,748 \$234,488 \$5,724,804



Well Name: RK-UTL 3031B-17-1H

Jagged Peak				Well Nan	Well Name: RK-UTL 3031B-17-1H				
		DAILY COMPLETIONS REPORT			AFE	#:			
			DAIL! COMPLETIONS REPORT			Report Date: 12/11/2016			
				Operation	Operation: Completion				
Field:	HGY	D	ecember 11, 2016	Rig Name:	- Operani	р.	Report #:	50	
Locatio	n:		K-UTL 3031B-17-1H	Supervisor:	J. White (D) / Z. White	e (N)	Daily Cost:	\$238,9	42
County		W	/ard	Phone:	903-736-4232 / 903-7	36-0116	Cum Job:	\$5,963	,745
State:		T)	X	Email:	jeffgwhite@yahoo.cor	n / zacharyla			
		Fracet	tages 50 - 52 / Plug & Perf stages 51 - 52	Total Well AFE:			Cum Well Cost:	\$8,778	,970
24 Hr	Summary:	FIAC SI	lages 50 - 52 / Flug & Fell stages 51 - 52						
24	r Plan	Contin	ue Frac and Wireline Operations						
	rward:		·						
Inci	dents:	None	JPE Pers:			pitan, API, C	Conditions: Norn	nal	
				Critical Comme	ents				
				Time Breakdov	vn				
	Summary	ì	n - 6:00am)						24.0 HRS
From 6:00	6:30	0.5	Liberty testing lines to 13,200 psi		Summary				
6.00	6.30	0.5	Stage #51 Frac. All Frac details are up	odated on job tracking & se	nt to Denver post job. Jo	b pumped a	as per design. BLTR	- 664,692	gals / CTD
			BLTR - 31,290,028 gals. AR 83 bpm /	AP 8,891 psi.					
			Drop rate to 15 bpm to spot 1st 10# bid			iovert (440 p	osi increase) & 15 bpi	m to spot	3rd 10# biovert
			(390 psi increase) & 15 bpm to spot 4th	h 10# biovert (300 psi incre	ase).				
			NPT - 4 hrs The blender started losin filters. Had to wait on them to be delived	ng RPMs during the 2 ppg p	portion of the 3rd cycle.	We had to sl	hut down after flushin	ng to chang	ge the fuel
			each cycle to control tail end pressure		nerwise good stage. FR	was increas	sed incrementally froi	m .50 gpt i	to 1.50 gpt on
6:30	15:00	8.5							
			Load gun string into lubricator. NU lub	to WH. Equalize lub.					
			RIH with WL to perf stage #51. Pump of 12794-95, 12775-76, 12756-57, 1275						
15:00	17:00	2.0	5292 psi/ Max 6407 psi POOH	J. 50, 121 10-10, 12102-0	S (+ Or 1 , OU day pridsill	g, .or LII, *	.0 total rioles). Art 5.	. ppiii / 141	an olo upill. AF
17:00	17:00	0.5	Liberty primed up and tested lines to 1	3,200 psi.					
	17.30	0.0	Stage #51 Frac. All Frac details are up	odated on job tracking & se	nt to Denver post job. Jo	b cut 20K lb	os short due to psi res	sponse on	5th cycle. BLTI
			- 668,640 gals / CTD BLTR - 31,960,6	84 gals. AR 80 bpm / AP 9	,551 psi.		•		
			Drop rate to 15 bpm to spot 1st 10# bid			iovert (430 p	osi increase) & 15 bpi	m to spot	3rd 10# biovert
17:30	22:00	4.5	(310 psi increase) & 15 bpm to spot 4tl	· · · · · · · · · · · · · · · · · · ·	Se).				
			Load gun string into lubricator. NU lub	to WH. Equalize lub.					
			RU WL to perf stage #52. Pump guns 12585-86, 12568-69, 12547-48, 12528	down to depth. Set ball dr	op plug @ 12690. Perfor	ate 12680-8	31, 12661-62, 12642-	43, 12623	-24, 12604-05,
22.00	0.20	2.5	Max 7,065 psi POOH.	5-29, 12509-10. (4 SFF, 60	rueg priasing, .57 EH, 4	o total fioles	). AR 6.5 bpiii / iviax	( 9.5 bpm.	AP 0,014 ps/
0:30	0:30 1:30	2.5 1.0	GE greasing frac stack.						
0.30	1.50	1.0	Liberty primed up and tested lines to 1:	3,000 psi.					
			Stage #52 Frac. All Frac details are up	odated on job tracking & se	nt to Denver post job	ob numned	as per design - BLTR	R – 682 05	1 gals / CTD
			BLTR - 32,645,297 gals. AR 84 bpm /	AP 8,999 psi.	in to Boillo, poor job.	oo pampoa	ao por acoigii. 22111	. 002,00	. galo / 0.12
			Drop rate to 15 bpm to spot 1st 7.5# bi	iovert (220 psi increase) &	15 bpm to spot 2nd 7.5#	biovert (300	psi increase) & 15 bp	pm to spot	3rd 5# biovert
1:30	6:00	4.5	(400 psi increase) & 15 bpm to spot 3rd	d 5# biovert (270 psi increa	se).				
1.50	0.00	4.0							
				Cost Sum	marv				
	Code		Description		Comments			Daily	Cum.
	840-030		ROAD,LOCATIONS		Comments			Daily	Cuiii.
	840-045		NON-RETRIEVABLE PLUGS	HES	plugs / \$1,600 ea (Stg.	51 - 52)	\$	\$3,200	\$78,400
	840-060		HOT OILER						
	840-065	_	FUEL, POWER					0001	#000 ccc
	840-070 840-071	-	EQUIPMENT RENTAL  HOT SHOT TRUCKING					\$601	\$228,206 \$5,402
	840-072	$\dashv$	JPE OWNED EQUIP RENTAL					\$525	\$19,425
	840-100		CEMENT SERV/ FLOAT EQUIP						\$20,267
sts	840-110		CASING CREW & EQPT						\$13,507
Intangible Costs	840-115 840-120		FLOWBACK WATER CONTRACT LABOR					\$6,200	\$135,538
Jible	840-120		CONTRACT LABOR  COMPLETION RIG				3	<b>,∠</b> ∪∪	\$135,538 \$18,480
tanc	840-135		COILED TUBING						\$431,518
드	840-140		CASED HOLE LOGS & SURVEYS						\$4,490
	840-145 840-155		PERFORATING/WIRELINE SERV ACIDIZING/FRACTURING					\$6,000	\$382,734 \$3,861,021
	840-155	+	FLOW TESTING				\$2	218,416	\$3,861,021 \$22,400
	840-165		COMPLETE FLUID-FRESH WTR						\$310
	840-167		COMPLETE FLUID-BRINE						
	840-175 840-180	_	WELLSITE SUPERVISION					\$4,000	\$163,300
_	840-180		OVERHEAD P&A/TA COSTS						
			1 4 7 1 7 6 6 6 7 6	Total Intangible			\$2	238,942	\$5,384,997
	860-030		PRODUCTION CASING	<u> </u>					\$290,408
	860-035		PRODUCTION TURNS						
	860-040 860-041		PRODUCTION TUBING  GAS PIPELINE						
	860-041		WATER PIPELINE						
	860-043		OIL PIPELINE						
	860-045		WELLHEAD EQUIPMENT						\$70,448
	860-060 860-065		SUBSURFACE EQUIPMENT SURFACE EQUIPMENT						\$25,000
osts	860-065		WELLSITE COMPRESSION						000,6≥¢
Tangible Costs	860-085		PUMPING UNIT & MOTOR						
jaib 🗀	860-086		RODS						
Lauć	860-090		NIPPLE/VALVE/FITTING/FLO						\$31,874
-	860-100 860-110		METERING EQP/TELE TANK STAIRS & WALKWAYS						\$25,000 \$32,000
	860-110	_	SEPARATORS & TREATERS						\$32,000 \$43,500
	860-120		STRUCTURES & INSULATION						Ţ,000
	860-125		SIGNAGE						
	860-150 860-155		BUILD BATTERY POWER INSTALLATION						\$34,518
	860-155		SUPERVISION						\$25,000 \$1,000
	860-275		CONTINGENCY						ψ.,σσσ

Total Tangible
Total Daily & Cum Costs
WellEz Information Managem

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\$578,748 \$238,942 \$5,963,745



Well Name: RK-UTL 3031B-17-1H

AFE #:

Report Date: 12/12/2016

Operation: Completion

Field:	December 12, 2016	Rig Name:		Report #:	51
Location:	RK-UTL 3031B-17-1H	Supervisor:	J. White (D) / Z. White (N)	Daily Cost:	\$279,605
County:	Ward	Phone:	903-736-4232 / 903-736-0116	Cum Job:	\$6,243,351
State:	TX	Email:	jeffgwhite@yahoo.com / zacharylar	Job AFE:	
-		Total Well AFE:	_	Cum Well Cost:	\$9,058,575

I	24 Hr Summary:	Frac stgs 53 - 54 / Plug & Perf stgs	s 53 - 54, set 2	2 bridge plugs						
	24 Hr Plan Forward:	RDMO / Prep Location for Drillout								
	Incidents:	None	JPE Pers:	Chris Bairrington /	Contract Pers:	Liberty, Capitan, A	₽I, GI	Conditions:	Normal	
Π	Cuitical Comments									

Frac Complete

Time Breakdown

Activity S	Summary	(6:00am	- 6:00am) 24.0 HR:
From	То	Hrs	Summary
			Load gun string into lubricator. NU lub to WH. Equalize lub.  RIH with WL to perf stage #53. Pump guns down to depth. Set flow thru CFP @ 12500'. Perforate 12490-91, 12471-72, 12452-53, 12435-36, 12414-15, 12395-96, 12376-77, 12357-58, 12338-39, 12319-20 (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 7.2 bpm / Max 10.1 bpm.
6:00	8:00	2.0	4900 psi/ Max 6415 psi POOH.
8:00	8:30	0.5	Liberty priming up and testing lines to 13,200 psi
			Stage #53 Frac. All Frac details are updated on job tracking & sent to Denver post job. The tail end of the 5th cycle was adjusted slightly to get al prop placed. BLTR – 655,956 gals / CTD BLTR - 33,302,933 gals. AR 85 bpm / AP 9,140 psi.  Drop rate to 15 bpm to spot 1st 10# biovert (230 psi increase) & 15 bpm to spot 2nd 10# biovert (915 psi increase) & 15 bpm to spot 3rd 10# bi
8:30	12:30	4.0	(660 psi increase) & 15 bpm to spot 4th 10# blovert (1220 psi increase).
12:30	13:30	1.0	Capitan had to wait on high winds to die down before PU lubricator.
			Load gun string into lubricator. NU lub to WH. Equalize lub.
40.00	45.00		RIH with WL to perf stage #54. Pump guns down to depth. Set flow thru CFP @ 12310'. Perforate 12297-98, 12278-79, 12258-59, 12237-38, 12216-17, 12196-97, 12175-76, 12155-56 (4 SPF, 60 deg phasing, .37" EH, 32 total holes). AR 5.1 bpm / Max 9 bpm. AP 5677 psi/ Max 7248 ps POOH.
13:30	15:00	1.5	Liberty prime up and test lines to 13,200 psi
15:00	15:30	0.5	Stage #54 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 520,905 gals / CTD
			BLTR - 33,825,476 gals. AR 84 bpm / AP 9,185 psi.
15:30	19:00	3.5	Drop rate to 15 bpm to spot 1st 10# biovert (390 psi increase) & 15 bpm to spot 2nd 10# biovert (340 psi increase) & 15 bpm to spot 3rd 10# biover (270 psi increase).
			Load tool string into lubricator. NU lub to WH. Equalize lub.
19:00	20:30	1.5	RIH and set 1st CBP @ 10,900'. Plug tested to 8,000 psi. POOH.
			Load tool string into lubricator. NU lub to WH. Equalize lub.
20:30	22:00	1.5	RIH and set 2nd CBP @ 10,800'. POOH.
22:00	6:00	8.0	Liberty, Capitan and API RDMO. GE nipple down frac stack.
	l	1	

	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1,600 ea (Stg. 53-54)	\$3,200	\$81,600
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL		\$601	\$228,807
	840-071	HOT SHOT TRUCKING			\$5,402
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$19,950
	840-100	CEMENT SERV/ FLOAT EQUIP			\$20,267
Intangible Costs	840-110	CASING CREW & EQPT			\$13,507
3 -	840-115	FLOWBACK WATER			
, –	840-120	CONTRACT LABOR		\$6,200	\$141,738
	840-130	COMPLETION RIG			\$18,480
[	840-135	COILED TUBING			\$431,518
	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV		\$18,400	\$401,134
	840-155	ACIDIZING/FRACTURING		\$246,679	\$4,107,70
	840-160	FLOW TESTING			\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION		\$4,000	\$167,300
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$279,605	\$5,664,60
	860-030	PRODUCTION CASING			\$290,408
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$70,448
	860-060	SUBSURFACE EQUIPMENT			
	860-065	SURFACE EQUIPMENT			\$25,000
	860-080	WELLSITE COMPRESSION			
	860-085	PUMPING UNIT & MOTOR			
	860-086	RODS			
	860-090	NIPPLE/VALVE/FITTING/FLO			\$31,874
	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
ı	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$34,518
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
r	860-275	CONTINGENCY			Ţ.,,200
		33323	Total Tangible		\$578,748
			Total Daily & Cum Costs	\$279,605	\$6,243,35
			1 otal pany & oun oosts	φ21 3,003	ψυ, 240,00



Well Name: RK-UTL 3031B-17-1H

AFE #:

Report Date: 12/13/2016

\$34,518

\$1,000

\$578,748

\$6,312,226

\$68,875

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**Operation:** Completion

Field:	December 13, 2016	Rig Name:		Report #:	52
Location:	RK-UTL 3031B-17-1H	Supervisor:	Nate Renner	Daily Cost:	\$68,875
County:	Ward	Phone:	307-272-6768	Cum Job:	\$6,312,226
State:	TX	Email:	nrenner320@gmail.com	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$9,127,450

24 Hr Summary: Mobilize, R/U, Drill out

24 Hr Plan Forward: Incidents: None JPE Pers: Chris Bairrington / Contract Pers: Greenwell, STEP, Herita Conditions: Clear Critical Comments

Time Breakdown

Activity	Summary (	(6:00am -	6:00am)	24.0 HRS
From	То	Hrs	Summary	
6:00	14:00	8.0	No activity	
14:00	20:00	6.0	Spot in and R/U STEP, Heritage, sand X, & Greenwell M/U BHA	
			RIH & Drill plugs 1-11 plus 2 kill plugs Avg Circ= 5200 psi Avg WH= 3200 psi Avg WOB= 4k Avg diff= 200 psi Avg DT=13 min Avg TT= 19 min 1 stall on plug # 1	
20:00	6:00	10.0		

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS			\$81,600
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL		\$450	\$229,257
	840-071	HOT SHOT TRUCKING			\$5,402
	840-072	JPE OWNED EQUIP RENTAL		\$525	\$20,475
	840-100	CEMENT SERV/ FLOAT EQUIP			\$20,267
ι	840-110	CASING CREW & EQPT			\$13,507
Sosi	840-115	FLOWBACK WATER			
e C	840-120	CONTRACT LABOR		\$300	\$142,038
ᅙ	840-130	COMPLETION RIG			\$18,480
Intangible Costs	840-135	COILED TUBING		\$67,600	\$499,118
ᆯ	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV			\$401,134
	840-155	ACIDIZING/FRACTURING			\$4,107,70
	840-160	FLOW TESTING			\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION			\$167,300
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
		·	Total Intangible	\$68,875	\$5,733,47
	860-030	PRODUCTION CASING			\$290,408
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$70,448
	860-060	SUBSURFACE EQUIPMENT			
	860-065	SURFACE EQUIPMENT			\$25,000
)St	860-080	WELLSITE COMPRESSION			
3	860-085	PUMPING UNIT & MOTOR			
rangible costs	860-086	RODS			
9	860-090	NIPPLE/VALVE/FITTING/FLO			\$31,874
-	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	960 150	DUIL D DATTEDY			CO4 E40

Total Tangible

Total Daily & Cum Costs

WellEz Information Management LLC

BUILD BATTERY

POWER INSTALLATION

SUPERVISION

CONTINGENCY

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860-150

860-155

860-175

860-275



Well Name: RK-UTL 3031B-17-1H AFE #: Report Date: 12/15/2016 Operation: Completion

Field:	December 15, 2016	Rig Name:		Report #:	54
Location:	RK-UTL 3031B-17-1H	Supervisor:	Jeff Staples	Daily Cost:	\$6,150
County:	Ward	Phone:	406-208-3917	Cum Job:	\$6,372,751
State:	TX	Email:	highmountainenergy@outlook.com	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$9,187,975

24 Hr Summary:							
24 Hr Plan Forward:							
Incidents:	JPE Pers:	Chris Bairrington,	Contract Pers:	Greenwell, STEP, Herita	Conditions:		
Critical Comments							

	Time Breakdown						
Activity S	Summary (	6:00am -	- 6:00am)	7.5 HRS			
From	То	Hrs	Summary				
6:00	11:00	5.0	РООН				
11:00	12:00	1.0	Break lub and surface test motor/inspect BHA. Change out motor and bit				
12:00	13:30	1.5	Cut coil and weld on coil connector				
13:30			Make up BHA. surface test @ 3.5bbl min. Make up lub pressure test to 8000psi and RIH				
-							

		'	Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS			\$81,600
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL		\$450	\$230,157
	840-071	HOT SHOT TRUCKING			\$5,402
	840-072	JPE OWNED EQUIP RENTAL			\$21,000
	840-100	CEMENT SERV/ FLOAT EQUIP			\$20,267
sts	840-110	CASING CREW & EQPT			\$13,507
Intangible Costs	840-115	FLOWBACK WATER			
<u>e</u>	840-120	CONTRACT LABOR		\$300	\$142,638
gig _	840-130	COMPLETION RIG			\$18,480
tal	840-135	COILED TUBING		\$5,400	\$557,618
=	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV			\$401,134
	840-155	ACIDIZING/FRACTURING			\$4,107,700
	840-160	FLOW TESTING			\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION			\$167,300
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$6,150	\$5,794,003
	860-030	PRODUCTION CASING			\$290,408
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$70,448
	860-060	SUBSURFACE EQUIPMENT			
S	860-065	SURFACE EQUIPMENT			\$25,000
Tangible Costs	860-080	WELLSITE COMPRESSION			
Č	860-085	PUMPING UNIT & MOTOR			
혍	860-086	RODS			
ang	860-090	NIPPLE/VALVE/FITTING/FLO			\$31,874
ř	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$34,518
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			
			Total Tangible		\$578,748
			Total Daily & Cum Costs	\$6,150	\$6,372,751
		www.wellez.com	WellEz Information Management LLC ver_1.14.14bg		



Well Name: RK-UTL 3031B-17-1H AFE #: Report Date: 12/16/2016

Field:	December 16, 2016	Rig Name:		Report #:	55
Location:	RK-UTL 3031B-17-1H	Supervisor:	Jeff Staples	Daily Cost:	\$51,350
County:	Ward	Phone:	406-208-3917	Cum Job:	\$6,427,951
State:	TX	Email:	highmountainenergy@outlook.com	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$9.243.175

24 Hr Summary:					
24 Hr Plan Forward:	Drill plugs				
Incidents:	JPE Pers: Chris Bairrington, Contract Pers: Greenwell, STEP, Herita Conditions:				
	Critical Comments				

Time Breakdown		

Operation: Completion

Activity S	Summary (	(6:00am -	-6:00am) 24.	0 HRS
From	То	Hrs	Summary	
6:00	7:30	1.5	Cont POOH	
7:30	9:00	1.5	Lay down BHA, Cut coil and weld on coil connector	
9:00	10:00	1.0	Make up same BHA with the exception of the Bullseye and changed bit to a 3 5/8" slipstream Make up lub and pressure test to 8000psi	
10:00	19:30	9.5	RIH- tagged up same spot @ 18,680' stalled motor picked up with no over pull came back down and inch drilled through tight spot w/1K wob	300 diff
			RIH to resume drilling plugs drill plug 40 @ 19745' 4 in 4.5 out 4K wob diff 200 drill time 20 min Working in the hole to plug 41 fighting friction- pumping high lube concentrated sweeps- slacking off to -20K then letting the weight shake d tried picking up 400' picked up slick w/ no over pull. Slacked backpack off slick until we tagged again @ 19680' set -20K down and shook th and have been fighting friction all the way down from that point.	own, nough
19:30	6:00	10.5		
			I .	

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS			\$81,600
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL		\$450	\$230,607
	840-071	HOT SHOT TRUCKING			\$5,402
	840-072	JPE OWNED EQUIP RENTAL			\$21,000
	840-100	CEMENT SERV/ FLOAT EQUIP			\$20,267
ž.	840-110	CASING CREW & EQPT			\$13,507
Intangible Costs	840-115	FLOWBACK WATER			
e C	840-120	CONTRACT LABOR		\$300	\$142,938
혈	840-130	COMPLETION RIG			\$18,480
auć	840-135	COILED TUBING		\$50,600	\$612,068
ᆵ	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV			\$401,134
	840-155	ACIDIZING/FRACTURING			\$4,107,700
	840-160	FLOW TESTING			\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION			\$167,300
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$51,350	\$5,849,203
	860-030	PRODUCTION CASING			\$290,408
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$70,448
	860-060	SUBSURFACE EQUIPMENT			
S	860-065	SURFACE EQUIPMENT			\$25,000
ost	860-080	WELLSITE COMPRESSION			
Tangible Costs	860-085	PUMPING UNIT & MOTOR			
ible	860-086	RODS			
ıng	860-090	NIPPLE/VALVE/FITTING/FLO			\$31,874
ř	860-100	METERING EQP/TELE			\$25,000
	960 110	TANK CTAIDC & MALKWAYC			<b>622.000</b>

			Total Intangible	\$51,350	\$5,849,203
	860-030	PRODUCTION CASING			\$290,408
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$70,448
	860-060	SUBSURFACE EQUIPMENT			
ω	860-065	SURFACE EQUIPMENT			\$25,000
Tangible Costs	860-080	WELLSITE COMPRESSION			
ပို	860-085	PUMPING UNIT & MOTOR			
흲	860-086	RODS			
lu l	860-090	NIPPLE/VALVE/FITTING/FLO			\$31,874
<u> </u>	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$34,518
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			
			Total Tangible		\$578,748
			Total Daily & Cum Costs	\$51,350	\$6,427,951
		www.wellez.com	WellEz Information Management LLC ver_1.14.14bg		



Well Name: RK-UTL 3031B-17-1H AFE #: Report Date: 12/17/2016 Operation: Completion

Field:	December 17, 2016	Rig Name:		Report #:	56
Location:	RK-UTL 3031B-17-1H	Supervisor:	Jeff Staples	Daily Cost:	\$95,170
County:	Ward	Phone:	406-208-3917	Cum Job:	\$6,523,121
State:	TX	Email:	highmountainenergy@outlook.com	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$9,338,345

24 Hr Summary:							
24 Hr Plan Forward:	RIg down						
Incidents:		JPE Pers:	Chris Bairrington,	Contract Pers:	Greenwell, STEP, Herit	Conditions:	
Critical Comments							

Time Breakdown		

Activity	Summary	(6:00am -	- 6:00am)	24.0 HRS
From	То	Hrs	Summary	,
			Continue fighting friction buckling out circulated multiple high lube concentrated sweeps around with no results- circ high visc sweep	around before
6:00	8:00	2.0	РООН	
8:00	14:00	6.0	РООН	
14:00	15:00	1.0	Bumped up and nipple down lub, Lay down BHA- bit had no signs of wear still green, Surface tested motor and agitator all functioned	d as designed.
15:00	18:00	3.0	Step, Heritage, and Greenwell rigging down- Step released @ 18:00 Hrs	
18:00	6:00	12.0	NPT- step on standby for the RK UTL 3031A-17-1H	

		Cost Summary
Code	Description	Con
840-030	ROAD,LOCATIONS	
840-045	NON DETDIEVARI E DI LICO	

	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS			\$81,600
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL		\$450	\$231,057
	840-071	HOT SHOT TRUCKING			\$5,402
	840-072	JPE OWNED EQUIP RENTAL			\$21,000
	840-100	CEMENT SERV/ FLOAT EQUIP			\$20,267
2	840-110	CASING CREW & EQPT			\$13,507
§	840-115	FLOWBACK WATER			
	840-120	CONTRACT LABOR		\$300	\$143,238
2 -	840-130	COMPLETION RIG			\$18,480
<u> </u>	840-135	COILED TUBING		\$94,420	\$706,488
	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
	840-145	PERFORATING/WIRELINE SERV			\$401,134
	840-155	ACIDIZING/FRACTURING			\$4,107,700
	840-160	FLOW TESTING			\$22,400
	840-165	COMPLETE FLUID-FRESH WTR			\$310
	840-167	COMPLETE FLUID-BRINE			
	840-175	WELLSITE SUPERVISION			\$167,300
	840-180	OVERHEAD			
	840-195	P&A/TA COSTS			
			Total Intangible	\$95,170	\$5,944,373
	860-030	PRODUCTION CASING			\$290,408
	860-035	PRODUCTION LINER			
	860-040	PRODUCTION TUBING			
	860-041	GAS PIPELINE			
	860-042	WATER PIPELINE			
	860-043	OIL PIPELINE			
	860-045	WELLHEAD EQUIPMENT			\$70,448
	860-060	SUBSURFACE EQUIPMENT			
	860-065	SURFACE EQUIPMENT			\$25,000
	860-080	WELLSITE COMPRESSION			
	860-085	PUMPING UNIT & MOTOR			
	860-086	RODS			
	860-090	NIPPLE/VALVE/FITTING/FLO			\$31,874
	860-100	METERING EQP/TELE			\$25,000
	860-110	TANK STAIRS & WALKWAYS			\$32,000
	860-115	SEPARATORS & TREATERS			\$43,500
	860-120	STRUCTURES & INSULATION			
	860-125	SIGNAGE			
	860-150	BUILD BATTERY			\$34,518
	860-155	POWER INSTALLATION			\$25,000
	860-175	SUPERVISION			\$1,000
	860-275	CONTINGENCY			Ţ.,000
		- COMMODITOR	Total Tangible		\$578,748
			Total Daily & Cum Costs	\$95,170	\$6,523,121



Well Name: RK-UTL 3031B-17-1H AFE #: Report Date: 12/07/2016 Operation: Completion

ield:	December 7, 2016	Rig Name:				Report #:	46	_
ocation:	RK-UTL 3031B-17-1H	Supervisor:	J. Wł	nite (D) / Z. White (N)	)	Daily Cost:	\$53,598	
County:	Ward	Phone:	903-7	736-4232 / 903-736-0	0116	Cum Job:	\$5,007,770	
State:	TX	Email:	jeffgv	vhite@yahoo.com/z	acharylar	Job AFE:		
		Total Well AFE:				Cum Well Cost:	\$7,822,995	

Frac Stages 40 / P&P Stage 41 24 Hr Summary: 24 Hr Plan Forward: Continue Frac / Wireline operations JPE Pers: Chris Bairrington Contract Pers: Liberty, Capitan, API, G Conditions: Normal Critical Comments Incidents:

Time	Rroa	kdown

From	Summary (	Hrs	
			Summary WL POOH after perforating stage 40.
6:00	6:30	0.5	Liberty had to change out blenders due a failure in the mechanical seal on the discharge pump.
6:30	9:00	2.5	Liberty pressure tested lines to 13,500 psi. They repaired a couple of leaks found while testing.
9:00	10:00	1.0	Stage #40 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 622,440 gals / CTD BLTR - 24,845,754 gals. AR 84 bpm / AP 9,826 psi.
			NPT - Liberty had to swap bleners prior to stage due to a mechanical seal failure in the discharge pump. This stage treated good, but water transfer lost prime during 1.25 ppg of the 5th cycle. Since there was only ~600 bbls in tanks we cut prop early and flushed the well. Left 50K on the surface. Drop rate to 15 bpm to spot 1st 15# biovert (345 psi increase) & 15 bpm to spot 2nd 15# biovert (405 psi increase) & 15 bpm to spot 3rd 15# biovert (325 psi increase) & 15 bpm to spot 4th 15# biovert (420 psi increase).
10:00	14:00	4.0	(Control of the control of the contr
			NPT - 2 hrs Water transfer getting pumps separated to attempt to get more fluid from the pit.
14:00	15:30	1.5	WL rehead and put a new vent sub on lubricator
15:30	18:00	2.5	Load gun string into lubricator. NU lub to WH. Equalize lub.  RIH with WL to perf stage 41. Pump guns down to depth. Set flow thru CFP @ 14780. Perforate 14764-65 , 14751-52 , 14732-33 , 14713-14 , 14694-95 , 14675-76 , 14656-57 , 14637-38 , 14618-19 , 14599-600 (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 8.2 bpm / Max 10 bpm. AP 5312 psi/ Max 5965 psi POOH.
18:00	6:00	12.0	Waiting on third party to add another source line of water to the big water pit before starting stage 41.

			Cost Summary		
	Code	Description	Comments	Daily	Cum.
	840-030	ROAD,LOCATIONS			
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (stg 41 )	\$1,600	\$60,800
	840-060	HOT OILER			
	840-065	FUEL, POWER			
	840-070	EQUIPMENT RENTAL		\$601	\$225,702
L	840-071	HOT SHOT TRUCKING			\$4,332
L	840-072	JPE OWNED EQUIP RENTAL		\$525	\$17,325
	840-100	CEMENT SERV/ FLOAT EQUIP			\$19,222
	840-110	CASING CREW & EQPT			\$13,507
	840-115	FLOWBACK WATER			
	840-120	CONTRACT LABOR		\$6,200	\$106,274
	840-130	COMPLETION RIG			\$18,480
Г	840-135	COILED TUBING			\$431,518
Г	840-140	CASED HOLE LOGS & SURVEYS			\$4,490
Г	840-145	PERFORATING/WIRELINE SERV		\$3,000	\$349,734
Г	840-155	ACIDIZING/FRACTURING		\$66,029	\$3,021,12
r	840-160	FLOW TESTING			\$22,400
r	840-165	COMPLETE FLUID-FRESH WTR			\$310
r	840-167	COMPLETE FLUID-BRINE			
r	840-175	WELLSITE SUPERVISION		\$4,000	\$133,800
r	840-180	OVERHEAD		. , , , , , , ,	, , , , ,
r	840-195	P&A/TA COSTS			
H			Total Intangible	\$81,955	\$4,429,02
۰	860-030	PRODUCTION CASING	Total mangiore	<b>\$01,000</b>	\$290,408
H	860-035	PRODUCTION LINER			Ψ230,400
H	860-040	PRODUCTION TUBING			+
H	860-041	GAS PIPELINE			
H	860-042	WATER PIPELINE			1
H	860-043	OIL PIPELINE			
H	860-045	WELLHEAD EQUIPMENT			\$70,448
H	860-060	SUBSURFACE EQUIPMENT			\$70,440
H	860-065	SURFACE EQUIPMENT			\$25,000
H	860-080	WELLSITE COMPRESSION			\$25,000
H	860-085	PUMPING UNIT & MOTOR			
H	860-086	RODS			
H	860-090	NIPPLE/VALVE/FITTING/FLO		-\$28,357	\$31,874
H	860-100	METERING EQP/TELE		-\$20,357	\$25,000
H	860-110				
H	860-115	TANK STAIRS & WALKWAYS			\$32,000
ŀ	860-110	SEPARATORS & TREATERS			\$43,500
H	860-125	STRUCTURES & INSULATION			+
H	860-125	SIGNAGE			C24 E40
H	860-155	BUILD BATTERY			\$34,518
H	860-175	POWER INSTALLATION			\$25,000
ŀ		SUPERVISION			\$1,000
	860-275	CONTINGENCY			<u> </u>
			Total Tangible	-\$28,357	\$578,748
			Total Daily & Cum Costs	\$53,598	\$5,007,77