



DAILY COMPLETIONS REPORT

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

AFE #:

Report Date: 10/26/2016

Operation: Completion

Field:	October 26, 2016	Rig Name:		Report #:	7
Location:	RK-UTL 3031B-17-1H	Supervisor:		Daily Cost:	
County:	Ward	Phone:	303-475-5655	Cum Job:	\$362,219
State:	TX	Email:	rkerr@dtcenergygroup.com	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$3,155,281

24 Hr Summary: Epic Electric and Midway both on job finalizing installs of equipment and electrical.

24 Hr Plan Forward: Continue with install of piping on vessels, set transfer and recirc pumps, start on gas meter runs, clear pad and set flare/combuster. Continue with electrical conduit runs in facility

Incidents:		JPE Pers:	Jon Jagers	Contract Pers:	Midway, Epic Electric	Conditions:
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Critical Comments

Time Breakdown

Activity Summary (6:00am - 6:00am)	9.5 HRS
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[illegible]

Cost Summary

Intangible Costs	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			
	840-110		CASING CREW & EQPT			
	840-115		FLOWBACK WATER			
	840-120		CONTRACT LABOR			\$4,358
	840-130		COMPLETION RIG			
	840-135		COILED TUBING			
	840-140		CASED HOLE LOGS & SURVEYS			\$4,490
	840-145		PERFORATING/WIRELINE SERV			
	840-155		ACIDIZING/FRACTURING			\$4,000
	840-160		FLOW TESTING			
	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				
			Total Intangible		\$14,558	
Tangible Costs	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			\$60,000
	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			
	860-150		BUILD BATTERY			\$110,000
	860-155		POWER INSTALLATION			\$25,000
860-175		SUPERVISION			\$1,000	
860-275		CONTINGENCY				
			Total Tangible		\$347,661	
			Total Daily & Cum Costs		\$362,219	



DAILY COMPLETIONS REPORT

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

AFE #:

Report Date: 10/28/2016

Operation: Completion

Field:	October 28, 2016	Rig Name:		Report #:	8
Location:	RK-UTL 3031B-17-1H	Supervisor:	Nicki Bodily(D)	Daily Cost:	\$50,336
County:	Ward	Phone:	724-288-6055	Cum Job:	\$288,055
State:	TX	Email:	ngeer84@gmail.com	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$3,081,117

24 Hr Summary:

MIRU

24 Hr Plan

MIRU frac & support

Incidents:

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

Critical Comments

Time Breakdown

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

24.0 HRS


HRS

[illegible]

Cost Summary

Intangible Costs	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	\$45,811
	840-071		HOT SHOT TRUCKING			
	840-072		JPE OWNED EQUIP RENTAL		\$525	\$525
	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			
	840-140		CASED HOLE LOGS & SURVEYS			\$4,490
	840-145		PERFORATING/WIRELINE SERV			
	840-155		ACIDIZING/FRACTURING			\$4,000
	840-160		FLOW TESTING			
	840-165		COMPLETE FLUID-FRESH WTR			\$310
	840-167		COMPLETE FLUID-BRINE			
	840-175		WELLSITE SUPERVISION		\$4,000	\$5,400
840-180		OVERHEAD				
840-195		P&A/TA COSTS				
			Total Intangible	\$50,336	\$64,894	
Tangible Costs	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			\$21,500
	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		\$223,161	
			Total Daily & Cum Costs	\$50,336	\$288,055	

[illegible]

		DAILY COMPLETIONS REPORT			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	
24 Hr Summary:		Frac stage 4-5 & P&P stage 4-6									
24 Hr Plan Forward:		Continue Frac / P&P operations									
Incidents:				JPE Pers:	Jon Jagers		Contract Pers:	Halliburton, Swift water,		Conditions:	
Critical Comments											
Time Breakdown											
Activity Summary (6:00am - 6:00am)										24.0	HRS
From	To	Hrs	Summary								
6:00	9:00	3.0	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. AP 7150 psi/ Max 6875 psi.								
9:00	9:30	0.5	HES prime & PT to 13,200 psi. attempt to PT elite, NPT 0.25 hrs								
9:30	13:30	4.0	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.								
13:30	15:00	1.5	Load gun string into Lubricator. NU lub to WH. Equalize lub WL RIH to P&P stage 5. Lost communication with CCL @ 4500'. POOH to determine issue								
15:00	16:30	1.5	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								
16:30	19:30	3.0	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.								
19:30	21:30	2.0	Frac swap pump for computer issues. multiple PT failed for biovert pump. PT good to 13,200								
21:30	0:00	2.5	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 gals / CTD BLTR – 1,741,619 gals. AR 75 bpm / AP 10,147 psi.								
0:00	0:30	0.5	Load gun string into Lubricator. NU lub to WH. Equalize lub								
0:30	3:30	3.0	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.								
3:30	4:30	1.0	1st PT failed due to leak on iron HES prime & PT to 13,200 psi								
4:30	6:00	1.5	Frac stage 6								
Cost Summary											
Intangible Costs	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		\$35,597						
	840-070	EQUIPMENT RENTAL		\$5,961	\$63,694						
	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									
	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	\$38,000						
	840-155	ACIDIZING/FRACTURING		\$112,159	\$193,045						
	840-160	FLOW TESTING									
	840-165	COMPLETE FLUID-FRESH WTR			\$310						
	840-167	COMPLETE FLUID-BRINE									
840-175	WELLSITE SUPERVISION		\$4,000	\$17,400							
840-180	OVERHEAD										
840-195	P&A/TA COSTS										
		Total Intangible		\$140,645	\$364,994						
Tangible Costs	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			\$258,861						
		Total Daily & Cum Costs		\$140,645	\$623,855						
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DAILY COMPLETIONS REPORT

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

AFE #

Report Date: 11/08/2016

Operation: Completion

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

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

24 Hr Plan Forward:	Tractor guns to perf stg. 18
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Incidents:		JPE Pers:	Jon Jaggars	Contract Pers:	Halliburton, Swift water,	Conditions:	
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Critical Comments


Time Breakdown

Activity Summary (6:00am - 6:00am)	24.0	HRS
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[illegible]

Cost Summary

Intangible Costs	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			
	840-110		CASING CREW & EQPT			
	840-115		FLOWBACK WATER			
	840-120		CONTRACT LABOR			\$5,558
	840-130		COMPLETION RIG			
	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			\$1,115,471
	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	\$1,669,856	
Tangible Costs	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		\$258,861	
			Total Daily & Cum Costs	\$14,486	\$1,928,717	

		DAILY COMPLETIONS REPORT				Well Name: RK-UTL 3031B-17-1H	
						AFE #:	
						Report Date: 11/10/2016	
						Operation: Completion	
Field:	November 10, 2016	Rig Name:		Report #:	21		
Location:	RK-UTL 3031B-17-1H	Supervisor:	(D)Clint Smith Nathan Renner	Daily Cost:	-\$140,702		
County:	Ward	Phone:	405-650-2935, 307-272-6768	Cum Job:	\$2,041,949		
State:	TX	Email:	clint.smith2014@yahoo.com, nrenr	Job AFE:			
		Total Well AFE:		Cum Well Cost:	\$4,857,173		
24 Hr Summary:	Attempt to get into L/T (no success)						
24 Hr Plan Forward:	Attempt to get through L/T to fish tractor						
Incidents:	None	JPE Pers:	Chris Bairrington, J	Contract Pers:	Halliburton, Swift water, Conditions: Overcast		
Critical Comments							
Time Breakdown							
Activity Summary (6:00am - 6:00am)					24.0HRS		
From	To	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				
8:00	13:00	5.0	OWHP 3830 PSI. RIH to fish tool string. 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				
18:00	19:00	1.0	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				
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	6:00	4.5	L/D BHA Wait on motor, PBL, & XO (PBL & motor on location) M/U BHA to motor Wait on XO				
Cost Summary							
Intangible Costs	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					
	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		
	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						
		Total Intangible	-\$140,702	\$1,783,088			
Tangible Costs	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		\$258,861		
			Total Daily & Cum Costs	-\$140,702	\$2,041,949		
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[illegible]

[illegible]



DAILY COMPLETIONS REPORT

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

AFE #:

Report Date: 11/16/2016

Operation: Completion

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

24 Hr Summary:

24 Hr Plan Forward:

Continue fishing ops/tcp for stg 18

Incidents:

JPE Pers:

Chris Bairrington, J

Contract Pers:

Halliburton, Swift water

Conditions:

Critical Comments

Time Breakdown

[illegible]

Cost Summary

Intangible Costs	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			
	840-110	CASING CREW & EQPT			
	840-115	FLOWBACK WATER			
	840-120	CONTRACT LABOR			\$6,930
	840-130	COMPLETION RIG			
	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
Tangible Costs	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	\$66,195	\$2,458,739



DAILY COMPLETIONS REPORT

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

AFE #:

Report Date: 11/19/2016

Operation: Completion

Field:	November 19, 2016	Rig Name:		Report #:	30
Location:	RK-UTL 3031B-17-1H	Supervisor:	(D)Clint Smith	Daily Cost:	\$159,755
County:	Ward	Phone:	405-650-2935, 307-272-6768	Cum Job:	\$2,997,922
State:	TX	Email:	clint.smith2014@yahoo.com, nrenr	Job AFE:	
		Total Well AFE:		Cum Well Cost:	\$5,813,146

24 Hr Summary:	P&P stg 21, Frac stg 21, P&P stg 22, Frac stg 22
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[illegible]

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

Time Breakdown

Activity Summary (6:00am - 6:00am)	24.0	HRS
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[illegible]

Cost Summary

Intangible Costs	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			
	840-110	CASING CREW & EQPT			
	840-115	FLOWBACK WATER			
	840-120	CONTRACT LABOR			\$6,930
	840-130	COMPLETION RIG			
	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
Tangible Costs	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				

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DAILY COMPLETIONS REPORT

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

AFE #

Report Date: 11/22/2016

Operation: Completion

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

24 Hr Summary:	Attempt to kill well with 10 ppg brine. Pump 480 bbls total. Pressure at 800 psi.						
24 Hr Plan Forward:	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.						
Incidents:		JPE Pers:	Chris Bairrington, J	Contract Pers:	APS, Wellfoam, Baker H	Conditions:	

Critical Comments

Time Breakdown

Activity Summary (6:00am - 6:00am)	24.0	HRS
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[illegible]

Cost Summary

Intangible Costs	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			
	840-110	CASING CREW & EQPT			
	840-115	FLOWBACK WATER			
	840-120	CONTRACT LABOR		\$3,570	\$10,500
	840-130	COMPLETION RIG	APS \$220/hr	\$2,640	\$2,640
	840-135	COILED TUBING			\$364,200
	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
Tangible Costs	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	\$12,019	\$3,009,941



DAILY COMPLETIONS REPORT

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

AFE #:

Report Date: 11/25/2016

Operation: Completion

Field:	November 25, 2016	Rig Name:		Report #:	34
Location:	RK-UTL 3031B-17-1H	Supervisor:	Jeff Staples	Daily Cost:	\$98,710
County:	Ward	Phone:	406-208-3917	Cum Job:	\$3,199,234
State:	TX	Email:	highmountainenergy@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:
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Critical Comments

Time Breakdown


[illegible]


Cost Summary

Intangible Costs	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
	840-110	CASING CREW & EQPT	clean drift tally run pipe w/torque turn	\$13,507	\$13,507
	840-115	FLOWBACK WATER			
	840-120	CONTRACT LABOR		\$6,720	\$24,615
	840-130	COMPLETION RIG	APS	\$5,280	\$18,480
	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
Tangible Costs	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			
	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		\$47,612	\$361,278
		Total Daily & Cum Costs		\$98,710	\$3,199,234


		DAILY COMPLETIONS REPORT			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 / zacharylar		Job AFE:							
				Total Well AFE:				Cum Well Cost:		\$6,192,690					
24 Hr Summary:		Frac stg 23 / P&P stgs 23-24													
24 Hr Plan Forward:		Continue Frac and Wireline Operations													
Incidents:		None		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		To		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			
		840-110		CASING CREW & EQPT								\$13,507			
		840-115		FLOWBACK WATER											
		840-120		CONTRACT LABOR								\$37,704			
		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		\$297,534			
		840-155		ACIDIZING/FRACTURING						\$66,834		\$1,790,966			
		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		\$3,013,156			
												\$47,612			
		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								\$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			
www.wellez.com WellEz Information Management LLC ver_1.14.14bg															

<div><div>Jagged Peak ENERGY</div></div> <div>DAILY COMPLETIONS REPORT</div>						Well Name:		RK-UTL 3031B-17-1H								
						AFE #:										
						Report Date:		11/30/2016								
						Operation:		Completion								
Field:		November 30, 2016				Rig Name:						Report #:		39		
Location:		RK-UTL 3031B-17-1H				Supervisor:		J. White (D) / Z. White (N)				Daily Cost:		\$242,303		
County:		Ward				Phone:		903-736-4232 / 903-736-0116				Cum Job:		\$3,804,410		
State:		TX				Email:		jeffgwhite@yahoo.com / zacharyla				Job AFE:				
						Total Well AFE:						Cum Well Cost:		\$6,619,634		
24 Hr Summary:		Frac stgs 26-28 and P&P stgs 27-29														
24 Hr Plan Forward:		Continue Frac and Wireline Operations														
Incidents:		None		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			To			Hrs			Summary							
6:00			8:00			2.0			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.							
									Drop rate to 15 bpm to spot 1st 15# biovert (560 psi increase) & 15 bpm to spot 2nd 15# biovert (370 psi increase).							
8:00			10:30			2.5			Load gun string into Lubricator. NU lub to WH. Equalize lub							
									RU WL to perf stage #27. Pump guns down to depth. Set flow thru 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							
10:30			12:00			1.5			GE greasing frac stack valves on the frac stack							
12:00			16:30			4.5			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)							
16:30			19:00			2.5			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.							
19:00			23:30			4.5			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)							
23:30			2:00			2.5			Load gun string into lubricator. NU lub to WH. Equalize lub.							
2:00			6:00			4.0			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.							
									Liberty prime up & pressure test treating lines to 13,000 psi.							
									Continue stage #29 frac operations.							
Cost Summary																
Intangible Costs	Code		Description				Comments				Daily		Cum.			
	840-030		ROAD,LOCATIONS													
	840-045		NON-RETRIEVABLE PLUGS				HES plugs / \$1600 ea (stg 27-29)				\$4,800		\$41,600			
	840-060		HOT OILER													
	840-065		FUEL, POWER													
	840-070		EQUIPMENT RENTAL								\$601		\$221,495			
	840-071		HOT SHOT TRUCKING										\$4,332			
	840-072		JPE OWNED EQUIP RENTAL								\$525		\$13,650			
	840-100		CEMENT SERV/ FLOAT EQUIP										\$19,222			
	840-110		CASING CREW & EQPT										\$13,507			
	840-115		FLOWBACK WATER										\$18,480			
	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		
Tangible Costs	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								\$242,303		\$3,804,410		
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	DAILY COMPLETIONS REPORT				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 / zacharylar	Job AFE:		
		Total Well AFE:		Cum Well Cost:	\$7,030,878	
24 Hr Summary: Frac stgs 29-30 and P&P stgs 30-31						
24 Hr Plan Forward: Continue Frac and Wireline Operations						
Incidents:	None	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	To	Hrs	Summary			
6:00	6:30	0.5	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).			
6:30	9:00	2.5	Load gun string into Lubricator. NU lub to WH. Equalize lub			
9:00	16:30	7.5	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			
			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			
16:30	21:00	4.5	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.			
21:00	22:00	1.0	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).			
22:00	0:00	2.0	Load gun string into lubricator. NU lub to WH. Equalize lub.			
0:00	3:00	3.0	RIH w/ WL. Unable to pump guns down due to pressure. POOH.			
3:00	5:00	2.0	Frac flushed wellbore and spotted 2 acid drops. 20 bpm was achieved after 1st acid drop and 45 bpm after 2nd.			
			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			
5:00	6:00	1.0	Liberty prime up & pressure test treating lines to 13,000 psi.			
			Continue stage #31 frac operations.			
Cost Summary						
Intangible Costs	Code	Description	Comments	Daily	Cum.	
	840-030	ROAD,LOCATIONS				
	840-045	NON-RETRIEVABLE PLUGS	HES plugs / \$1600 ea (stg 30-31)	\$3,200	\$44,800	
	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	\$2,319,880	
	840-160	FLOW TESTING			\$22,400	
	840-165	COMPLETE FLUID-FRESH WTR			\$310	
	Tangible Costs	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	\$3,608,548		
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				
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			\$242,796	\$607,105		
Total Daily & Cum Costs			\$411,243	\$4,215,653		
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	DAILY COMPLETIONS REPORT					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 / zacharylarson@gmail.com			Job AFE:					
					Total Well AFE:					Cum Well Cost:		\$7,184,218			
24 Hr Summary:		Frac stgs 31-32 and P&P stgs 32-33													
24 Hr Plan Forward:		Continue Frac and Wireline Operations													
Incidents:		None		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	To	Hrs	Summary												
6:00	10:30	4.5	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.												
			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.												
10:30	14:30	4.0	Liberty prime up and pressure test lines to 13,500 psi												
14:30	15:30	1.0	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. 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).												
20:00	23:30	3.5	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	1:30	2.0	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.												
			GE greasing and flushing out valves on stack.												
			Liberty prime up & pressure test treating lines to 13,000 psi.												
4:00	6:00	2.0	Continue stage #33 frac operations.												


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	DAILY COMPLETIONS REPORT					Well Name:		RK-UTL 3031B-17-1H						
						AFE #:								
						Report Date:		12/04/2016						
						Operation:		Completion						
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 / zacharylar		Job AFE:					
					Total Well AFE:				Cum Well Cost:		\$7,283,470			
24 Hr Summary:		Frac stgs 34-35 and P&P stg 35												
24 Hr Plan Forward:		Continue Frac and Wireline Operations												
Incidents:		None		JPE Pers:		Chris Bairrington		Contract Pers:		Liberty, Capitan, API, G		Conditions: Normal		
Critical Comments														
Prior to resuming operations, GE finished nipling up and torqueing frac stack. Liberty rigged lines back up to wellhead.														
Time Breakdown														
Activity Summary (6:00am - 6:00am)										24.0		HRS		
From		To		Hrs		Summary								
6:00		7:30		1.5		GE nipling 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.								
14:00		19:00		5.0		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 / CTD BLTR - 20,824,729 gals. AR - 83 bpm / AP - 9,184 psi. 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.								
23:30		1:30		2.0		RU WL to perf stage #35. Pump guns down to depth. Set ball drop plug @ 15,920. Perforate 15,910-11, 15,891-92, 15,872-73, 15,853-54, 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 9.5 bpm / Max 10 bpm. AP 5,502 psi/ Max 5,772 psi POOH.								
						Liberty prime up & pressure test treating lines to 13,000 psi.								
1:30		5:30		4.0		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. 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.								
Cost Summary														
Intangible Costs	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	
	840-110		CASING CREW & EQPT										\$13,507	
	840-115		FLOWBACK WATER											
	840-120		CONTRACT LABOR								\$6,200		\$83,604	
	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								\$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		
Tangible Costs	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												
						Total Tangible						\$607,105		
						Total Daily & Cum Costs				\$15,926		\$4,468,246		
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		DAILY COMPLETIONS REPORT			Well Name: RK-UTL 3031B-17-1H										
					AFE #:										
					Report Date: 12/08/2016										
					Operation: Completion										
Field:		December 8, 2016		Rig Name:		Report #:		47							
Location:		RK-UTL 3031B-17-1H		Supervisor:		J. White (D) / Z. White (N)		Daily Cost:		\$234,961					
County:		Ward		Phone:		903-736-4232 / 903-736-0116		Cum Job:		\$5,242,731					
State:		TX		Email:		jeffgwhite@yahoo.com / zacharylar		Job AFE:							
				Total Well AFE:				Cum Well Cost:		\$8,057,956					
24 Hr Summary:		Frac stages 41 - 43 / Plug & Perf stages 42 - 44													
24 Hr Plan Forward:		Continue Frac / Wireline Operations													
Incidents:		None		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			To			Hrs			Summary						
6:00			7:30			1.5			Waiting on another supply line to be laid to the pit prior to starting stage 41.						
									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.						
									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.						
									GE greasing valves on frac stack						
									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.						
									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).						
									Load gun string into lubricator. NU lub to WH. Equalize lub.						
									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.						
									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.						
									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.						
									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.						
									Liberty prime up & pressure test treating lines to 13,000 psi.						
									Continue stage #44 frac operations.						
Cost Summary															
Intangible Costs	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		
	840-110		CASING CREW & EQPT										\$13,507		
	840-115		FLOWBACK WATER												
	840-120		CONTRACT LABOR								\$10,664		\$116,938		
	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		\$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			
Tangible Costs	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													
						Total Tangible						\$578,748			
						Total Daily & Cum Costs				\$234,961		\$5,242,731			
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	DAILY COMPLETIONS REPORT				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 / zacharylar	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:	Continue Frac and Wireline operations					
Incidents:	None	JPE Pers:	Chris Bairrington /	Contract Pers:	Liberty, Capitan, API, G	
Critical Comments						
Time Breakdown						
Activity Summary (6:00am - 6:00am)					24.0HRS	
From	To	Hrs	Summary			
			Load gun string into lubricator. NU lub to WH. Equalize lub.			
6:00	7:00	1.0	RIH with WL to perf stage #47. Pump guns down to depth. Set flow thru CFP @ 13644'. Perforate 13630-31 , 13611-12 , 13592-93 , 13573-74 , 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 / Max 9.8 bpm. AP 5012 psi/ Max 5407 psi POOH.			
7:00	8:30	1.5	Liberty finish up maintenance on a pump prior to frac.			
			Primed up and tested lines to 13,200 psi			
8:30	12:30	4.0	Stage #47 Frac. All Frac details are updated on job tracking & sent to Denver post job. Job pumped as per design. BLTR – 661,668 gals / CTD BLTR - 29,359,477 gals. AR 83 bpm / AP 8,747 psi.			
			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 3rd 10# biovert (555 psi increase) & 15 bpm to spot 4th 10# biovert (370 psi increase).			
12:30	14:00	1.5	Load gun string into lubricator. NU lub to WH. Equalize lub			
			API could not catch seal. Determined that the diesel used to thin the grease had settled at the bottom of the tank. Switched to another tank and was able to hold seal.			
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 , 13402-03 , 13383-84 , 13364-65 , 13345-46 , 13326-27 , 13307-08 , 13288-89 , 13269-70 (4 SPF, 60 deg phasing, .37" EH, 40 total holes). AR 6.7 bpm / Max 10.4 bpm. AP 5586 psi/ Max 6726 psi POOH.			
			Liberty prime up and pressure test lines to 13,200 psi			
15:30	20:00	4.5	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 during 5th cycle. BLTR – 632,121 gals / CTD BLTR - 29,994,622 gals. AR 83 bpm / AP 9,320 psi.			
			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 3rd 10# biovert (300 psi increase) & 15 bpm to spot 4th 10# biovert (150 psi increase).			
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, 13212-13, 13193-94, 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 / Max 8 bpm. AP 7,763 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			
23:00	3:30	4.5	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 during 5th cycle. BLTR – 625,254 gals / CTD BLTR - 30,622,648 gals. AR 79 bpm / AP 9,476 psi.			
			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 spot 3rd 5# biovert (200 psi increase) & not diverter on 5th cycle.			
3:30	5:00	1.5	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, 13022-23, 13003-04, 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 / Max 9 bpm. AP 7,607 psi/ Max 7,792 psi POOH.			
5:00	6:00	1.0	Liberty prime up and pressure test lines to 13,000 psi			
			Continue stage #50 frac operations.			
Cost Summary						
Intangible Costs	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	
	840-110	CASING CREW & EQPT			\$13,507	
	840-115	FLOWBACK WATER				
	840-120	CONTRACT LABOR		\$6,200	\$129,338	
	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		\$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		
Tangible Costs	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					
Total Tangible				\$578,748		
Total Daily & Cum Costs			\$234,488	\$5,724,804		
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DAILY COMPLETIONS REPORT

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:	Rlg down				
Incidents:		JPE Pers:	Chris Bairrington,	Contract Pers:	Greenwell, STEP, Herita
Critical Comments					

Time Breakdown					
Activity Summary (6:00am - 6:00am)					24.0 HRS
From	To	Hrs	Summary		
6:00	8:00	2.0	Continue fighting friction buckling out circulated multiple high lube concentrated sweeps around with no results- circ high visc sweep around before POOH		
8:00	14:00	6.0	POOH		
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 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

Intangible Costs	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
	840-110	CASING CREW & EQPT			\$13,507
	840-115	FLOWBACK WATER			
	840-120	CONTRACT LABOR		\$300	\$143,238
	840-130	COMPLETION RIG			\$18,480
	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
Tangible Costs	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			
			Total Tangible		\$578,748
			Total Daily & Cum Costs	\$95,170	\$6,523,121

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		DAILY COMPLETIONS REPORT				Well Name:		RK-UTL 3031B-17-1H							
						AFE #:									
						Report Date:		12/07/2016							
						Operation:		Completion							
Field:		December 7, 2016		Rig Name:				Report #:		46					
Location:		RK-UTL 3031B-17-1H		Supervisor:		J. White (D) / Z. White (N)		Daily Cost:		\$53,598					
County:		Ward		Phone:		903-736-4232 / 903-736-0116		Cum Job:		\$5,007,770					
State:		TX		Email:		jeffgwhite@yahoo.com / zacharylar		Job AFE:							
				Total Well AFE:				Cum Well Cost:		\$7,822,995					
24 Hr Summary:		Frac Stages 40 / P&P Stage 41													
24 Hr Plan Forward:		Continue Frac / Wireline operations													
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			To			Hrs			Summary						
6:00			6:30			0.5			WL POOH after perforating stage 40.						
6:30			9:00			2.5			Liberty had to change out blenders due a failure in the mechanical seal on the discharge pump.						
9:00			10:00			1.0			Liberty pressure tested lines to 13,500 psi. They repaired a couple of leaks found while testing.						
10:00			14:00			4.0			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).						
14:00			15:30			1.5			NPT - 2 hrs -- Water transfer getting pumps separated to attempt to get more fluid from the pit.						
15:30			18:00			2.5			WL rehead and put a new vent sub on lubricator						
18:00			6:00			12.0			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.						
									Waiting on third party to add another source line of water to the big water pit before starting stage 41.						