

## PT Petroleum

Drilling R

WELL: University Gold 7041A COUNTY, STATE: Reagan, Texas  
 T.D.: 14,594 ft. PROGRESS: 0 ft. ( #DIV/0! ft/hr) No. DAYS: 11.4  
 LAST CSG: 5 1/2 in. SET @: 14,571 ft. NEXT CSG.: 5 1/2 in. SET @:  
 RKB - "A" SECTION: 22 ft.

PRESENT OPERATIONS @ REPORT TIME: → Rigging down/Prep to start loading out rig components.

START	END	TOTAL	
6:00	8:30	2.50	Install C-section, pack-off & test-OK.
8:30	19:00	10.50	While cleaning rig, RD floor and top drive. LD top drive onto catch truck.
19:00	6:00	11.00	Continue rigging down with night crew. R/D hopper, premix, mud pumps, (

CONF

TD Date 8/17/16 @ 23:00 hrs.

Production csq and cement completed 8/20/16 @ 00:30 hrs.

Rig released @ 8:30 am 8/20/16

24

Rig Repair 4.5 Well repairs

## Total Hour Breakdown:

Survey Dept

		NU/ND BOP		BHA #	
Drlg		LDDC's			
Rig service		LDDP			
Rig Up		LD/PU BHA			
Rig Down	21.50	PU DP			
Ream/Wash		Stuck Pipe			
Circulate		Displace			
Trips		Test BOP			
Cut Drlg line					

Run Casing		Rig Repair				
Cement		Set slips/CO	2.50			
WOC		Wait on orders				
Log		Wait on Daylight				
DST		Daywork				
Survey/Gyro		Misc		BHA Length	0	
		Total Hrs	24.00			
		Total Rot Hrs	125.00			

**Remarks:**

Contacted T.R.R.C on 8/18/16 @ 21:30. Spoke W/ Storm operator # 0084

Total Fuel used :18,206

Total Fuel Delivered:17,885

Total mud fuel used:17,752

Total mud fuel delivered:17,595

P/U WT.: lb. STR. WT.: lb. S/O WT.: lb.

MAX. ALLOW. PULL: lb. DRILL PIPE: 5" 19.50# S-135

BIT RECORD:			HYDRAULICS:			MUD RECORD @:
NUMBER			PUMP No.:	No. 1	No. 2	COMPANY:
SIZE, in.			STROKE, in.	12	12	DENSITY
TYPE			LINER	6	6	VISCOSITY
SERIAL No.			S.P.M.			PV / YP
JETS, 32nds			RATE, G.P.M.			GEL STRENGTH
W.O.B., lb.			PRESSURE, psi.			API FILTRATE
R.P.M.			AV/DP, ft./min.			HTHP FILTRATE
DEPTH OUT, ft.			AV/DC, ft./min.			CAKE THICKNESS
DEPTH IN, ft.			JET VEL., ft./sec.			SOLIDS
FOOTAGE			BIT HHP.			O/W RATIO
HOURS			PUMP HHP.			Solids adj. for salt(%by vol)
R.O.P., ft./hr.			E.C.D., ppg.			ALKALINITY MUD
						LIME CONTENT

						ALT CONT. WATER PHAS
						OIL/WATER RATIO

I.A.D.C. DULL GRADING: (BIT # )				Mud Pumps/Slow Pump Rates				CHLORIDE			
TEETH:				PUMP #1:	Maxum-1600				ELECTRICAL STABILITY		
I:	O:	D:	Loc.:	PUMP #2:	TFI-1600				EXCESS LIME		
BEARINGS:		B:		S.P.R. - #1:	40	SPM @	315	#	Chlorides PPM		
									MAGNESIUM		
GAUGE:		G:		S.P.R. - #2:	40	SPM @	315	#	LCM (lb/bbl)		
REMARKS:		O:		R:	REMARKS:						

DIESEL	ON-HAND:	1,746	Gal.	REC'D. LAST 24 HRS.:	0 gals.
FUEL:	ON-HAND:	686	Gal.	REC'D. LAST 24 HRS.:	0 Gals

**ACCIDENTS:**

No accidents reported

<b>LAST SAFETY MEETING:</b>	8/20/2016	<b>LAST BOP DRILL:</b>	8/12/2016	
<b>CREWS SHORT:</b>	None	<b>Contact Number</b>	281-840-5074	
<b>TOOLPUSHER:</b>	Mike Sasser	<b>SUPERVISOR:</b>	Joe Kriethe/Oscar Navare	

14

Bison Rig 16

14,630

ft

14,630

ft.

lower derrick @ 19:00 hrs.,Hauled all drillpipe,while rig wash crew detox rig .  
electrical lines, gas separator, mud lines.Prep. Rig to move.

# CONFIDENTIAL

Surveys			Formation	Flow	LC	Shows	Oil	Gas	
th	Inc	Azm	Queen						
			San Andres						
			Clearfork						
			Spraberry						
			Leonard						
			Dean						
			Wolfcamp						
			Cisco/Canyon						
			Strawn						

[illegible]

OBM Fuel			Gal.	gal.
	LAST BOP TEST:	8/10/16		
	WEATHER:	Clear		
ette	DATE:	8/21/2016		

\*change TODAY Formula to next column

## PT Petroleum

Drilling R

WELL: University Gold 7041A COUNTY, STATE: Reagan, Texas  
 T.D.: 14,594 ft. PROGRESS: 0 ft. ( #DIV/0! ft/hr) No. DAYS: 10.4  
 LAST CSG: 5 1/2 in. SET @: 14,571 ft. NEXT CSG.: 5 1/2 in. SET @:  
 RKB - "A" SECTION: 22 ft.

PRESENT OPERATIONS @ REPORT TIME: → Dressing out 5.5 & set C-Section

START	END	TOTAL	
6:00	17:00	11.00	RIH 5 1/2" 20# HCP-110 GBCD 4,222' - 14,594'
17:00	18:00	1.00	Rig down casing crew, laydown truck, & torque turn. Rig up cement head.
18:00	18:30	0.50	Fill pipe & pressure up to 2800 & burst floatation collar, bleed off air & pu
18:30	19:30	1.00	Drop indicator plug & pump 3500 strokes & rupture plug @ 1,305 psi.
19:30	0:30	5.00	PJSM, Test lines 5,000 psi. Cement as follows, pump 30 bbl diesel spacer, lead slurry 345 bbls(1585 sx) 14.5ppg 1.223 yield, tail slurry 59 bbls(150sx) of sugar water, shut down & dropped second plug & displaced with 332 b ruptured 1st plug, & pumped 10bbl of sugar water to land second plug with fresh water. Got cement back to surface (10sx) 17 bbls. Rig down cement
0:30	1:30	1.00	Wash thru pumps, stand pipe, top drive, BOP, & flow line.
1:30	3:00	1.50	Rig up Hydraulic lifts, Nipple down BOP, flowline & prep. To set slips.
3:00	3:30	1.00	Set slips with 80% string weight = 150,000#. Cut off casing.
3:30	5:00	1.50	Finish N/D BOP & layout with truck.
5:00	6:00	1.00	Final cut & dress out, & prep. to set tubing head.

TD Date 8/17/16 @ 23:00 hrs.

Production csq and cement completed 8/20/16 @ 00:30 hrs.

24.5

Rig Repair

4.5

Well repairs

St

Total Hour Breakdown:

Survey Dept

Drlg

NU/ND BOP

3.00

BHA #

Rig service

LDDC's

Bit

Rig Up

LDDP

Motor

Rig Down

LD/PU BHA

XO



Ream/Wash		PU DP		Landing Sub	
Circulate	2.50	Stuck Pipe		Veloc. Cent	
Trips		Displace		Veloc. Gap Sub	
Cut Drlg line		Test BOP		NMDC	
Run Casing	11.00	Rig Repair		NM Flex	
Cement	5.00	Set slips/CO		XO	
WOC		Wait on orders			
Log		Wait on Daylight			
DS1		Daywork			
Survey/Gyro		Misc	2.50	BHA Length	0
		Total Hrs	24.00		
		Total Rot Hrs	125.00		

**Remarks:**

**Contacted T.R.R.C on 8/18/16 @ 21:30. Spoke W/ Storm operator # 0084**

Total Fuel used :17,756

**Total Fuel Delivered:17,885**

Total mud fuel used:17,752

**Total mud fuel delivered:17,595**

P/U WT.: 190K lb. STR. WT.: 155K lb. S/O WT.: 120K

MAX. ALLOW. PULL: lb. DRILL PIPE: 5" 19.50# S-135

BIT RECORD:			HYDRAULICS:			MUD RECORD @:	
NUMBER			PUMP No.:	No. 1	No. 2	COMPANY:	
SIZE, in.			STROKE, in.	12	12	DENSITY	
TYPE			LINER	6	6	VISCOSITY	
SERIAL No.			S.P.M.			PV / YP	
JETS, 32nds			RATE, G.P.M.			GEL STRENGTH	
W.O.B., lb.			PRESSURE, psi.			API FILTRATE	
R.P.M.			AV/DP, ft./min.			HTHP FILTRATE	
DEPTH OUT, ft.			AV/DC, ft./min.			CAKE THICKNESS	
DEPTH IN, ft.			JET VEL., ft./sec.			SOLIDS	
FOOTAGE			BIT HHP.			O/W RATIO	
HOURS			PUMP HHP.			Solids adj. for salt(%by vol)	
R.O.P., ft./hr.			E.C.D., ppg.			ALKALINITY MUD	
						LIME CONTENT	
						ALT CONT. WATER PHAS	
						OIL/WATER RATIO	
I.A.D.C. DULL GRADING: (BIT # )			Mud Pumps/Slow Pump Rates			CHLORIDE	
TEETH:			PUMP #1:	Maxum-1600		ELECTRICAL STABILITY	
I:	O:	D:	Loc.:	PUMP #2:	TFI-1600		EXCESS LIME
BEARINGS: B:			S.P.R. - #1:	40	SPM @	315	Chlorides PPM
							MAGNESIUM
GAUGE: G:			S.P.R. - #2:	40	SPM @	315	LCM (lb/bbl)
REMARKS: O:			R:	REMARKS:			
DIESEL	ON-HAND:	2,196	Gal.	REC'D. LAST 24 HRS.:	0 gals.		
FUEL:	ON-HAND:	686	Gal.	REC'D. LAST 24 HRS.:	0 Gals		
ACCIDENTS:							
No accidents reported							

LAST SAFETY MEETING:	8/19/2016	LAST BOP DRILL:	8/12/2016	
CREWS SHORT:	None	Contact Number	281-840-5074	
TOOLPUSHER:	Mike Sasser	SUPERVISOR:	Joe Kriethe/Oscar Navare	

REPORT

13

RIG:

Bison Rig 16

FORMATION:

14,630

ft

PROP. T.D.:

14,630

ft.

## DAILY ACTIVITY

mp a total of 2000 strokes to fill pipe.

30 bbl tuned weighted spacer, lead slurry 278 bbls(490 sx) @ 11.0ppg 3.176 yield, 2nd ) 14.5ppg 2.164 yield, 10 bbl sugar water, shut down dropped 1st plug & pumped 10 bbls bls total of f/w displ., bumped 1st plug @ 2,460 psi, shut down, pressured up to 2460 th 3000 psi & pressured & held @ 3500 psi for 5 min. floats held then bled back 4 bbls of ers.

# CONFIDENTIAL

## Surveys

th	Inc	Azm	Formation	Flow	LC	Shows	Oil	Gas	
			Queen						
			San Andres						
			Clearfork						
			Spraberry						
			Leonard						

[illegible]

Rig Fuel		Gal.	GALS.
OBM Fuel		Gal.	gal.
	LAST BOP TEST:	8/10/16	
	WEATHER:	Clear	
ette	DATE:	8/20/2016	

\*change TODAY Formula to next column

## PT Petroleum

Drilling R

WELL: University Gold 7041A COUNTY, STATE: Reagan, Texas  
T.D.: 14,594 ft. PROGRESS: 0 ft. ( #DIV/0! ft/hr) No. DAYS: 9.4  
LAST CSG: 9 5/8 in. SET @: 4,836 ft. NEXT CSG.: 5 1/2 in. SET @:  
RKB - "A" SECTION: 22 ft.

PRESENT OPERATIONS @ REPORT TIME: → RIH w/5-1/2" casing currently @ 4,222'

START	END	TOTAL	
6:00	6:30	0.50	POOH f/ 7,529' - 6,488'
6:30	9:30	3.00	TIH f/ 6,488' - 14,417'
9:30	10:00	0.50	Wash f/ 14,417' - 14,594'
10:00	12:00	2.00	Perform clean up cycle, pump 40 bbl high vis sweep, reciprocate pipe con
12:00	20:00	8.00	LDDP f/ 14,594' - 2,049'
20:00	20:30	0.50	Rig Service
20:30	22:00	1.50	LDDP f/ 2,049' - 107' BHA
22:00	23:00	1.00	L/D directional tools and bit.
23:00	23:30	0.50	Pull wear bushing and install trip nipple.
23:30	1:30	2.00	PJSM Rig up casing crew, CRT and torque turn.prep. to run 5-1/2" 20 # HC
1:30	2:00	0.50	Rig Repair Attempt to test shoe track,hyd. Hose leaking on mud saver.
2:00	6:00	4.00	Run 5-1/2" 20 # HCP-110 GBCD casing currently 4,222'

CONFIDENTIAL

24

Rig Repair	4.5	Well repairs		St
Total Hour Breakdown:				Survey Dept
Drlg		NU/ND BOP		BHA # 3
Rig service	0.50	LDDC's		Bit 1.00
Rig Up		LDDP	9.50	Motor 26.99
Rig Down	0.50	LD/PU BHA	1.00	XO 1.67
Ream/Wash		PU DP		Landing Sub 3.52
Circulate	2.50	Stuck Pipe		Veloc. Cent 8.53
Trips	3.50	Displace		Veloc. Gap Su 3.59
Cut Drlg line		Test BOP		NMDC 29.80

Run Casing	4.00	Rig Repair		NM Flex	29.44
Cement		Set slips/CO		XO	2.89
WOC		Wait on orders			
Log		Wait on Daylight			
DST		Daywork			
Survey/Gyro		Misc	2.50	BHA Length	107.43
		Total Hrs	24.00		
		Total Rot Hrs	125.00		

**Remarks:**

Contacted T.R.R.C on 8/18/16 @ 21:30. Spoke W/ Storm operator # 0084

Total Fuel used :17,041

Total Fuel Delivered:17,885

Total mud fuel used:17,752

Total mud fuel delivered:17,595

P/U WT.: 190K lb. STR. WT.: 155K lb. S/O WT.: 120K

MAX. ALLOW. PULL: lb. DRILL PIPE: 5" 19.50# S-135

BIT RECORD:			HYDRAULICS:			MUD RECORD @:
NUMBER	3		PUMP No.:	No. 1	No. 2	COMPANY:
SIZE, in.	8.5		STROKE, in.	12	12	DENSITY
TYPE	V513		LINER	6	6	VISCOSITY
SERIAL No.	31470		S.P.M.	69	69	PV / YP
JETS, 32nds	7X22		RATE, G.P.M.	289	289	GEL STRENGTH
W.O.B., lb.	30-40		PRESSURE, psi.	3278		API FILTRATE
R.P.M.	70		AV/DP, ft./min.			HTHP FILTRATE
DEPTH OUT, ft.	14594		AV/DC, ft./min.			CAKE THICKNESS
DEPTH IN, ft.	6500		JET VEL., ft./sec.			SOLIDS
FOOTAGE	8094		BIT HHP.			O/W RATIO
HOURS	88.5		PUMP HHP.			Solids adj. for salt(%by vol)
R.O.P., ft./hr.	91.4		E.C.D., ppg.			ALKALINITY MUD
						LIME CONTENT

	ALT CONT. WATER PHAS
	OIL/WATER RATIO

I.A.D.C. DULL GRADING: (BIT # 3 )				Mud Pumps/Slow Pump Rates				CHLORIDE			
TEETH:				PUMP #1:	Maxum-1600				ELECTRICAL STABILITY		
I: 1	O: 1	D: CT	Loc.: N	PUMP #2:	TFI-1600				EXCESS LIME		
BEARINGS:		B: XXX		S.P.R. - #1:	40	SPM @	315	#	Chlorides PPM		
									MAGNESIUM		
GAUGE:		G: F		S.P.R. - #2:	40	SPM @	315	#	LCM (lb/bbl)		
REMARKS:		O: NO		R: TD	REMARKS:						

#1 30/335 40/405 50/510

#2 30/330 40/400 50/510

Depth: 14,449' 8.5 ppg.B119

DIESEL ON-HAND: 2,911 Gal. REC'D. LAST 24 HRS.: 0 gals.

FUEL: ON-HAND: 686 Gal. REC'D. LAST 24 HRS.: 0 Gals

**ACCIDENTS:**

No accidents reported



<b>LAST SAFETY MEETING:</b>	8/18/2016	<b>LAST BOP DRILL:</b>	8/12/2016	
<b>CREWS SHORT:</b>	None	<b>Contact Number</b>	281-840-5074	
<b>TOOLPUSHER:</b>	Mike Sasser	<b>SUPERVISOR:</b>	Joe Kriethe/Oscar Navare	

REPORT

12

RIG:

Bison Rig 16

FORMATION:

90% Shale 10% Limestone

14,630

ft

PROP. T.D.:

14,630

ft.

DAILY ACTIVITY

Continuously

SP-110 GBCD

D E N T I A L

Surveys			Formation	Flow	LC	Shows	Oil	Gas	
th	Inc	Azm	Queen						
			San Andres						
			Clearfork						
			Spraberry						
			Leonard						
			Dean						
			Wolfcamp						
			Cisco/Canyon						
			Strawn						



OBM Fuel			gal.
	LAST BOP TEST:	8/10/16	
	WEATHER:	Clear	
ette	DATE:	8/19/2016	

\*change TODAY Formula to next column

## PT Petroleum

Drilling R

WELL: University Gold 7041A COUNTY, STATE: Reagan, Texas  
 T.D.: 14,594 ft. PROGRESS: 1,244 ft. ( 75.4 ft/hr) No. DAYS: 8.4  
 LAST CSG: 9 5/8 in. SET @: 4,836 ft. NEXT CSG.: 5 1/2 in. SET @:  
 RKB - "A" SECTION: 22 ft.

PRESENT OPERATIONS @ REPORT TIME: → P.O.O.H. currently @ 7,529'

START	END	TOTAL	
6:00	7:30	1.50	Rotate F/ 13,350' - 13,524' (174' @ 261'hr) 36K WOB, 70 RPM, 10,200 Torque
7:30	8:00	0.50	Slide F/ 13,524' - 13,536' (12' @ 24'hr), 55K WOB, 370 Diff, 586 GPM, 2850 SPP
8:00	8:30	0.50	Rotate F/ 13,536' - 13,602' (66' @ 132'hr) 35K WOB, 70 RPM, 11,000 Torque
8:30	9:00	0.50	Rig service
9:00	10:00	1.00	Rotate F/ 13,602' - 13,617' (66' @ 132'hr) 35K WOB, 70 RPM, 11,000 Torque 586 GPM, 2850 SPP, GTF 120R
10:00	11:00	1.00	Rotate F/ 13,632' - 13,710' (78' @ 156'hr) 35K WOB, 70 RPM, 11,000 Torque
11:00	11:30	0.50	Slide F/ 13,710' - 13,725' (15' @ 30'hr), 55K WOB, 370 Diff, 586 GPM, 2850 SPP
11:30	12:30	1.00	Rotate F/ 13,725' - 13,830' (105' @ 105'hr) 37K WOB, 70 RPM, 11,000 Torque
12:30	13:30	1.00	Slide F/ 13,830' - 13,845' (15' @ 15'hr), 55K WOB, 370 Diff, 586 GPM, 2850 SPP
13:30	15:30	2.00	Rotate F/ 13,845' - 13,993' (148' @ 74'hr) 37K WOB, 70 RPM, 11,000 Torque
15:30	16:00	0.50	Slide F/ 13,993' - 14,001' (8' @ 16'hr), 55K WOB, 370 Diff, 586 GPM, 2850 SPP
16:00	18:30	2.50	Rotate F/ 14,001' - 14,197' (196' @ 78'hr) 37K WOB, 70 RPM, 11,000 Torque
18:30	19:00	0.50	Slide F/ 14,197' - 14,207' (10' @ 20'hr), 55K WOB, 370 Diff, 586 GPM, 2985 SPP
19:00	20:00	1.00	Rotate F/ 14,207' - 14,308' (101' @ 101'hr) 37K WOB, 70 RPM, 11,000 Torque
20:00	20:30	0.50	Slide F/ 14,308' - 14,323' (15' @ 30'hr), 55K WOB, 370 Diff, 586 GPM, 2990 SPP
20:30	23:00	2.50	Rotate F/ 14,323' - 14,594' (271' @ 108'hr) 37K WOB, 70 RPM, 11,000 Torque
23:00	3:30	4.50	Perform clean up cycle pumping 586 gpm, 80 rpm, recipricating pipe cont
3:30	6:00	2.50	POOH f/ 15,530' - 7,529'

CONFIDENTIAL

		24					
	Rig Repair	4		Well repairs			St
	Total Hour Breakdown:						Survey Dept
	Drlg	16.50	NU/ND BOP		BHA #	3	13,091
	Rig service	0.50	LDDC's		Bit	1.00	13,281
	Rig Up		LDDP		Motor	26.99	13,469
	Rig Down		LD/PU BHA		XO	1.67	13,657
	Ream/Wash		PU DP		Landing Sub	3.52	13,845
	Circulate	4.50	Stuck Pipe		Veloc. Cent	8.53	14,034
	Trips	2.50	Displace		Veloc. Gap Sul	3.59	14,127

	Cut Drig line		Test BOP		NMDC	29.80	14,221
	Run Casing		Rig Repair		NM Flex	29.44	14,315
	Cement		Set slips/CO		XO	2.89	14,411
	WOC		Wait on orders				14,505
	Log		Wait on Daylight				14,556
	DST		Daywork				14,594
	Survey/Gyro		Misc		BHA Length	107.43	
			Total Hrs	24.00			
			Total Rot Hrs	125.00			

Total Fuel used :15,879

**Total Fuel Delivered:17,885**

Total mud fuel used:15,041

**Total mud fuel delivered:17,595**

P/U WT.:	190K	lb.	STR. WT.:	155K	lb.	S/O WT.:	120K
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<b>MAX. ALLOW. PULL:</b>		<b>b. DRILL PIPE:</b>	5" 19.50# S-135
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BIT RECORD:				HYDRAULICS:			MUD RECORD @:	
NUMBER	3			PUMP No.:	No. 1	No. 2	COMPANY:	
SIZE, in.	8.5			STROKE, in.	12	12	DENSITY	
TYPE	V513			LINER	6	6	VISCOSITY	
SERIAL No.	31470			S.P.M.	69	69	PV / YP	
JETS, 32nds	7X22			RATE, G.P.M.	289	289	GEL STRENGTH	
W.O.B., lb.	30-40			PRESSURE, psi.	3278		API FILTRATE	
R.P.M.	70			AV/DP, ft./min.			HTHP FILTRATE	
DEPTH OUT, ft.	14594			AV/DC, ft./min.			CAKE THICKNESS	
DEPTH IN, ft.	6500			JET VEL., ft./sec.			SOLIDS	
FOOTAGE	8094			BIT HHP.			O/W RATIO	
HOURS	88.5			PUMP HHP.			Solids adj. for salt(%by vol)	
R.O.P., ft./hr.	91.4			E.C.D., ppg.			ALKALINITY MUD	
							LIME CONTENT	
							ALT CONT. WATER PHAS	
							OIL/WATER RATIO	
I.A.D.C. DULL GRADING: (BIT # 3 )				Mud Pumps/Slow Pump Rates			CHLORIDE	
TEETH:				PUMP #1:	Maxum-1600			ELECTRICAL STABILITY
I:	O:	D:	Loc.:	PUMP #2:	TFI-1600			EXCESS LIME
BEARINGS:	B:			S.P.R. - #1:	40	SPM @	315	# Chlorides PPM
								MAGNESIUM
GAUGE:	G:			S.P.R. - #2:	40	SPM @	315	# LCM (lb/bbl)
REMARKS:	O:			R:	REMARKS:			
#1 30/335 40/405 50/510								
#2 30/330 40/400 50/510								
Depth: 14,449' 8.5 ppg.B119								
DIESEL		ON-HAND:	4,073	Gal.	REC'D. LAST 24 HRS.:		0 gals.	
FUEL:		ON-HAND:	3,397	Gal.	REC'D. LAST 24 HRS.:		0 Gals	
ACCIDENTS:								
No accidents reported								

LAST SAFETY MEETING:	8/17/2016	LAST BOP DRILL:	8/12/2016
CREWS SHORT:	None	Contact Number	281-840-5074
TOOLPUSHER:	Ryan Smith / Mike Sasser	SUPERVISOR:	Joe Kriethe/Oscar Navare



11

Bison Rig 16

90% Shale 10% Limestone

ft

**PROP. T.D.:**

14.630

ft.

iuously, pumped 2 - 40bbl high vis sweeps. Check flow, pump slug

# CONFIDENTIAL

Surveys			Formation	Flow	LC	Shows	Oil	Gas	
th	Inc	Azm	Queen						
	92.74	178.35	San Andres						
	89.41	176.69	Clearfork						
	89.39	176.00	Spraberry						
	91.52	179.56	Leonard						
	89.62	181.32	Dean						
	92.54	182.49	Wolfcamp						
	93.21	183.71	Cisco/Canyon						



Rig Fuel			GALS.
OBM Fuel			gal.
	LAST BOP TEST:	8/10/16	
	WEATHER:	Clear	
ette	DATE:	8/18/2016	

\*change TODAY Formula to next column

## PT Petroleum

Drilling R

WELL: University Gold 7041A COUNTY, STATE: Reagan, Texas  
 T.D.: 13,350 ft. PROGRESS: 2,113 ft. ( 93.9 ft/hr) No. DAYS: 7.4  
 LAST CSG: 9 5/8 in. SET @: 4,836 ft. NEXT CSG.: 5 1/2 in. SET @:  
 RKB - "A" SECTION: 22 ft.

PRESENT OPERATIONS @ REPORT TIME: → Drlg. Ahead @ 13,350'

START	END	TOTAL	
6:00	8:30	2.50	Rotate F/ 11,237' - 11,523' (286' @ 114'hr) 36K WOB, 70 RPM, 9,800 Torque
8:30	9:00	0.50	Slide F/ 11,523' - 11,541' (18' @ 36'hr), 55K WOB, 400 Diff, 586 GPM, 2550 S
9:00	9:30	0.50	Rotate F/ 11,541' - 11,618' (77' @ 154'hr) 36K WOB, 70 RPM, 9,800 Torque,
9:30	10:00	0.50	Slide F/ 11,618' - 11,638' (20' @ 40'hr), 55K WOB, 400 Diff, 586 GPM, 2550 S
10:00	11:00	1.00	Rotate F/ 11,638' - 11,712' (74' @ 148'hr) 36K WOB, 70 RPM, 9,800 Torque,
11:00	11:30	0.50	Slide F/ 11,712' - 11,732' (20' @ 40'hr), 55K WOB, 400 Diff, 586 GPM, 2550 S
11:30	12:00	0.50	Rotate F/ 11,732' - 11,806' (74' @ 148'hr) 36K WOB, 70 RPM, 9,800 Torque,
12:00	13:00	1.00	Slide F/ 11,806' - 11,828' (22' @ 44'hr), 55K WOB, 400 Diff, 586 GPM, 2550 S
13:00	14:30	1.50	Rotate F/ 11,828' - 11,996' (168' @ 252'hr) 36K WOB, 70 RPM, 10,200 Torqu
14:30	15:00	0.50	Slide F/ 11,996' - 12,010' (14' @ 28'hr), 55K WOB, 400 Diff, 586 GPM, 2550 S
15:00	16:30	1.50	Rotate F/ 12,010' - 12,185' (175' @ 262'hr) 36K WOB, 70 RPM, 10,200 Torqu
16:30	17:00	0.50	Rig service
17:00	19:00	2.00	Rotate F/ 12,185' - 12,381' (196' @ 98'hr) 36K WOB, 70 RPM, 10,200 Torque
19:00	20:00	1.00	Rig Repair due to standpipe o ring leak, replaced.
20:00	23:00	3.00	Rotate F/ 12,381' - 12,751' (370' @ 123'hr) 36K WOB, 70 RPM, 10,200 Torqu
23:00	23:30	0.50	Slide F/ 12,751' - 12,769' (18' @ 36'hr), 55K WOB, 400 Diff, 586 GPM, 2750 S
23:30	0:30	1.00	Rotate F/ 12,769' - 12,846' (77' @ 77'hr) 36K WOB, 70 RPM, 10,200 Torque,
0:30	1:00	0.50	Slide F/ 12,846' - 12,861' (15' @ 30'hr), 55K WOB, 400 Diff, 586 GPM, 2862 S
1:00	4:30	3.50	Rotate F/ 12,861' - 13,224' (363' @ 103'hr) 36K WOB, 70 RPM, 10,200 Torqu
4:30	5:00	0.50	Slide F/ 13,224' - 13,237' (13' @ 26'hr), 55K WOB, 400 Diff, 586 GPM, 2850 S
5:00	6:00	1.00	Rotate F/ 13,237' - 13,350' (113' @ 113'hr) 36K WOB, 70 RPM, 10,200 Torqu

CONF

		24					
	Rig Repair	4		Well repairs			St
	Total Hour Breakdown:						Survey Dept
	Drlg	22.50	NU/ND BOP		BHA #	3	11,199
	Rig service	0.50	LDDC's		Bit	1.00	11,389
	Rig Up		LDDP		Motor	26.99	11,580
	Rig Down		LD/PU BHA		XO	1.67	11,768
	Ream/Wash		PU DP		Landing Sub	3.52	11,958
	Circulate		Stuck Pipe		Veloc. Cent	8.53	12,053
	Trips		Displace		Veloc. Gap Su	3.59	12,147
	Cut Drlg line		Test BOP		NMDC	29.80	12,241

Run Casing		Rig Repair	1.00	NM Flex	29.44	12,336
Cement		Set slips/CO		XO	2.89	12,429
WOC		Wait on orders				12,524
Log		Wait on Daylight				12,619
DST		Daywork				12,713
Survey/Gyro		Misc		BHA Length	107.43	12,808
		Total Hrs	24.00			12,902
		Total Rot Hrs	108.50			12,996

Remarks:

1 HR. Downtime due to o ring gasket leaking.

Total Fuel used :13,655

Total Fuel Delivered:17,800

Total mud fuel used:12,903

Total mud fuel delivered:17,500

P/U WT.: 190K lb. STR. WT.: 160K lb. S/O WT.: 138K

MAX. ALLOW. PULL: lb. DRILL PIPE: 5" 19.50# S-135

BIT RECORD:			HYDRAULICS:			MUD RECORD @:
NUMBER	3		PUMP No.:	No. 1	No. 2	COMPANY:
SIZE, in.	8.5		STROKE, in.	12	12	DENSITY
TYPE	V513		LINER	6	6	VISCOSITY
SERIAL No.	31470		S.P.M.	69	69	PV / YP
JETS, 32nds	7X22		RATE, G.P.M.	289	289	GEL STRENGTH
W.O.B., lb.	30-40		PRESSURE, psi.	3278		API FILTRATE
R.P.M.	70		AV/DP, ft./min.			HTHP FILTRATE
DEPTH OUT, ft.			AV/DC, ft./min.			CAKE THICKNESS
DEPTH IN, ft.	6500		JET VEL., ft./sec.			SOLIDS
FOOTAGE	6850		BIT HHP.			O/W RATIO
HOURS	72		PUMP HHP.			Solids adj. for salt(%by vol)
R.O.P., ft./hr.	95.1		E.C.D., ppg.			ALKALINITY MUD
						LIME CONTENT

						ALT CONT. WATER PHAS
						OIL/WATER RATIO

I.A.D.C. DULL GRADING: (BIT # 3 )				Mud Pumps/Slow Pump Rates				CHLORIDE			
TEETH:				PUMP #1:	Maxum-1600				ELECTRICAL STABILITY		
I:	O:	D:	Loc.:	PUMP #2:	TFI-1600				EXCESS LIME		
BEARINGS:		B:		S.P.R. - #1:	40	SPM @	315	#	Chlorides PPM		
									MAGNESIUM		
GAUGE:		G:		S.P.R. - #2:	40	SPM @	315	#	LCM (lb/bbl)		
REMARKS:		O:		R:	REMARKS:						

DIESEL	ON-HAND:	6,297	Gal.	REC'D. LAST 24 HRS.:	3,500 gals.
FUEL:	ON-HAND:	5,535	Gal.	REC'D. LAST 24 HRS.:	3,500 Gals

ACCIDENTS:

No accidents reported

LAST SAFETY MEETING:	8/16/2016	LAST BOP DRILL:	8/12/2016	
CREWS SHORT:	None	Contact Number	281-840-5074	
TOOLPUSHER:	Ryan Smith	SUPERVISOR:	Joe Kriethe/Oscar Navare	

10

Bison Rig 16

90% Shale 10% Limestone

ft

14.630

ft.

**ie, 586 GPM, 3285 SPP, 540 Diff**

# CONFIDENTIAL

surveys			Formation	Flow	LC	Shows	Oil	Gas	
th	Inc	Azm	Queen						
	90.52	181.81	San Andres						
	90.86	184.95	Clearfork						
	91.09	185.15	Spraberry						
	88.02	181.06	Leonard						
	92.07	179.66	Dean						
	89.67	177.48	Wolfcamp						
	90.34	178.09	Cisco/Canyon						
	90.16	178.17	Strawn						



[illegible]

OBM Fuel			gal.
	LAST BOP TEST:	8/10/16	
	WEATHER:	Clear	
ette	DATE:	8/17/2016	

\*change TODAY Formula to next column

## PT Petroleum

Drilling R

WELL: University Gold 7041A COUNTY, STATE: Reagan, Texas  
T.D.: 11,237 ft. PROGRESS: 2,827 ft. ( 120.3 ft/hr) No. DAYS: 6.4  
LAST CSG: 9 5/8 in. SET @: 4,836 ft. NEXT CSG.: 5 1/2 in. SET @:  
RKB - "A" SECTION: 22 ft.

PRESENT OPERATIONS @ REPORT TIME: → Drilling ahead @ 11,237'

START	END	TOTAL	
6:00	14:30	8.50	Rotate F/ 8,410' - 9,447' (1,037' @ 122'hr) 35K WOB, 70 RPM, 10,000 Torque
14:30	15:00	0.50	Slide F/ 9,447' - 9,463' (15' @ 30'hr), 38K WOB, 480 Diff, 586 GPM, 2550 SP
15:00	15:30	0.50	Rotate F/ 9,463' - 9,541' (78' @ 156'hr) 35K WOB, 70 RPM, 10,000 Torque, 5
15:30	16:00	0.50	Service rig & top drive.
16:00	19:00	3.00	Rotate F/ 9,541' - 9,918' (377' @ 125'hr) 35K WOB, 70 RPM, 10,000 Torque,
19:00	20:30	1.50	Rotate F/ 9,918' - 10,074' (156' @ 52'hr) 35K WOB, 80 RPM, 10,400 Torque,
20:30	2:30	6.00	Rotate F/ 10,074' - 10,892' (818' @ 136'hr) 35K WOB, 70 RPM, 9,800 Torque
2:30	3:00	0.50	Slide F/ 10,892' - 10,907' (15' @ 30'hr), 38K WOB, 480 Diff, 586 GPM, 2700 S
3:00	4:30	1.50	Rotate F/ 10,907' - 11,050' (143' @ 95'hr) 35K WOB, 70 RPM, 10,000 Torque
4:30	5:00	0.50	Slide F/ 11,050' - 11,070' (20' @ 40'hr), 38K WOB, 480 Diff, 586 GPM, 2550 S
5:00	6:00	1.00	Rotate F/ 11,070' - 11,237' (167' @ 167'hr) 35K WOB, 70 RPM, 9,800 Torque

CONFIDENTIAL

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Rig Repair	3		Well repairs		Survey Dept
Total Hour Breakdown:					
Drlg	23.50	NU/ND BOP	BHA #	3	8372
Rig service	0.50	LDDC's	Bit	1.00	8466
Rig Up		LDDP	Motor	26.99	8561
Rig Down		LD/PU BHA	XO	1.67	8655
Ream/Wash		PU DP	Landing Sub	3.52	8750
Circulate		Stuck Pipe	Veloc. Cent	8.53	8845
Trips		Displace	Veloc. Gap Sub	3.59	8938
Cut Drlg line		Test BOP	NMDC	29.80	9032

Run Casing		Rig Repair		NM Flex	29.44	9126
Cement		Set slips/CO		XO	2.89	9220
WOC		Wait on orders				9315
Log		Wait on Daylight				9409
DST		Daywork				9503
Survey/Gyro		Misc		BHA Length	107.43	9597
		Total Hrs	24.00			9691
		Total Rot Hrs	86.50			9786

Remarks:

Total Fuel used :11,132

Total Fuel Delivered:14,300

Total mud fuel used:8,741

Total mud fuel delivered:14,000

P/U WT.: 190K lb. STR. WT.: 160K lb. S/O WT.: 138K

MAX. ALLOW. PULL: lb. DRILL PIPE: 5" 19.50# S-135

BIT RECORD:			HYDRAULICS:			MUD RECORD @:
NUMBER	3		PUMP No.:	No. 1	No. 2	COMPANY:
SIZE, in.	8.5		STROKE, in.	12	12	DENSITY
TYPE	V513		LINER	6	6	VISCOSITY
SERIAL No.	31470		S.P.M.	54	54	PV / YP
JETS, 32nds	7X22		RATE, G.P.M.	226	226	GEL STRENGTH
W.O.B., lb.	30-40		PRESSURE, psi.	2895		API FILTRATE
R.P.M.	70		AV/DP, ft./min.			HTHP FILTRATE
DEPTH OUT, ft.			AV/DC, ft./min.			CAKE THICKNESS
DEPTH IN, ft.	6500		JET VEL., ft./sec.			SOLIDS
FOOTAGE	4737		BIT HHP.			O/W RATIO
HOURS	49.5		PUMP HHP.			Solids adj. for salt(%by vol)
R.O.P., ft./hr.	95.6		E.C.D., ppg.			ALKALINITY MUD
						LIME CONTENT

						ALT CONT. WATER PHAS
						OIL/WATER RATIO

I.A.D.C. DULL GRADING: (BIT # 3 )				Mud Pumps/Slow Pump Rates				CHLORIDE			
TEETH:				PUMP #1:	Maxum-1600				ELECTRICAL STABILITY		
I:	O:	D:	Loc.:	PUMP #2:	TFI-1600				EXCESS LIME		
BEARINGS:		B:		S.P.R. - #1:	40	SPM @	315	#	Chlorides PPM		
									MAGNESIUM		
GAUGE:		G:		S.P.R. - #2:	40	SPM @	315	#	LCM (lb/bbl)		
REMARKS:		O:		R:	REMARKS:						

DIESEL	ON-HAND:	5,320	Gal.	REC'D. LAST 24 HRS.:	0 gals.
FUEL:	ON-HAND:	6,197	Gal.	REC'D. LAST 24 HRS.:	7000 Gals

ACCIDENTS:

No accidents reported

<b>LAST SAFETY MEETING:</b>	8/15/2016	<b>LAST BOP DRILL:</b>	8/12/2016	
<b>CREWS SHORT:</b>	None	<b>Contact Number</b>	281-840-5074	
<b>TOOLPUSHER:</b>	Ryan Smith	<b>SUPERVISOR:</b>	Joe Kriethe/Oscar Navare	

9

Bison Rig 16

100% Shale

ft

14,630

ft.

586 GPM, 2893 SPP, 700 Diff

# IDENTIAL

surveys			Formation	Flow	LC	Shows	Oil	Gas	
th	Inc	Azm	Queen						
	90.44	181.84	San Andres						
	90.59	181.26	Clearfork						
	90.56	181.57	Spraberry						
	90.21	181.66	Leonard						
	90.27	181.15	Dean						
	90.29	181.46	Wolfcamp						
	90.23	181.94	Cisco/Canyon						
	90.36	182.51	Strawn						

[illegible]



OBM Fuel			gal.
	LAST BOP TEST:	8/10/16	
	WEATHER:	Clear	
ette	DATE:	8/16/2016	

\*change TODAY Formula to next column

## PT Petroleum

Drilling R

WELL: University Gold 7041A COUNTY, STATE: Reagan, Texas  
 T.D.: 8,410 ft. PROGRESS: 1,890 ft. ( 80.4 ft/hr) No. DAYS: 5.4  
 LAST CSG: 9 5/8 in. SET @: 4,836 ft. NEXT CSG.: 5 1/2 in. SET @:  
 RKB - "A" SECTION: 22 ft.

PRESENT OPERATIONS @ REPORT TIME: → Drilling lateral @ 8,410'

START	END	TOTAL	
6:00	10:00	4.00	Slide F/ 6,520' - 6,804' (284' @ 71'hr), 30K WOB, 550 Diff, 452 & 545 GPM, 2
10:00	10:30	0.50	Rotate F/ 6,804' - 6,835' (31' @ 62'hr) 25K WOB, 20 RPM, 6,000 Torque, 545
10:30	11:00	0.50	Slide F/ 6,835' - 6,898' (63' @ 126'hr), 30K WOB, 550 Diff, 545 GPM, 2000 SP
11:00	11:30	0.50	Rotate F/ 6,898' - 6,929' (31' @ 62'hr) 25K WOB, 20 RPM, 6,000 Torque, 545
11:30	12:00	0.50	Slide F/ 6,929' - 6,994' (65' @ 130'hr), 30K WOB, 550 Diff, 545 GPM, 2000 SP
12:00	12:30	0.50	Rig service
12:30	13:00	0.50	Rotate F/ 6994' - 7025' (31' @ 62'hr) 25K WOB, 20 RPM, 6,000 Torque, 545
13:00	15:00	2.00	Slide F/ 7025' - 7183' (158' @ 79'hr), 30K WOB, 550 Diff, 545 GPM, 2000 SP
15:00	15:30	0.50	Rotate F/ 7183' - 7214' (31' @ 62'hr) 25K WOB, 20 RPM, 6,000 Torque, 545
15:30	16:00	0.50	Slide F/ 7214' - 7277' (63' @ 126'hr), 30K WOB, 550 Diff, 545 GPM, 2000 SP
16:00	16:30	0.50	Rotate F/ 7277' - 7309' (32' @ 64'hr) 25K WOB, 20 RPM, 6,000 Torque, 545
16:30	17:30	1.00	Slide F/ 7309' - 7372' (63' @ 126'hr), 30K WOB, 550 Diff, 545 GPM, 2000 SP
17:30	18:00	0.50	Rotate F/ 7372' - 7417' (45' @ 90'hr) 25K WOB, 20 RPM, 6,000 Torque, 545
18:00	19:00	1.00	Slide F/ 7417' - 7466' (49' @ 49'hr), 30K WOB, 550 Diff, 545 GPM, 1980 SPP
19:00	19:30	0.50	Rotate F/ 7,466' - 7,521' (55' @ 110'hr) 25K WOB, 20 RPM, 6,000 Torque, 54
19:30	20:30	1.00	Slide F/ 7,521' - 7,561' (40' @ 80'hr), 30K WOB, 550 Diff, 545 GPM, 2200 SP
20:30	21:00	0.50	Rotate F/ 7561' - 7,600' (39' @ 78'hr) 25K WOB, 20 RPM, 6,000 Torque, 545
21:00	22:00	1.00	Slide F/ 7,600' - 7,656' (56' @ 56'hr), 30K WOB, 550 Diff, 545 GPM, 2300 SP
22:00	22:30	0.50	Rotate F/ 7,656' - 7,700' (44' @ 88'hr) 25K WOB, 20 RPM, 6,000 Torque, 545
22:30	23:30	1.00	Slide F/ 7,700' - 7,751' (51' @ 102'hr), 30K WOB, 550 Diff, 545 GPM, 2300 SP
23:30	0:00	0.50	Rotate F/ 7,751' - 7,804' (53' @ 106'hr) 25K WOB, 20 RPM, 6,000 Torque, 54
0:00	1:00	1.00	Slide F/ 7,804' - 7,865' (61' @ 61'hr), 30K WOB, 550 Diff, 545 GPM, 2000 SP
1:00	3:30	2.50	Rotate F/ 7,865' - 8,128' (263' @ 105'hr) 25K WOB, 20 RPM, 6,000 Torque, 5
3:30	4:00	0.50	Slide F/ 8,128' - 8,148' (20' @ 40'hr), 30K WOB, 550 Diff, 545 GPM, 2550 SP
4:00	6:00	2.00	Rotate F/ 8,148' - 8,410' (262' @ 131'hr) 25K WOB, 20 RPM, 6,000 Torque, 5

CC

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Rig Repair	3	Well repairs		Survey Dept
Total Hour Breakdown:				
Drlg	23.50	NU/ND BOP	BHA #	3
Rig service	0.50	LDDC's	Bit	1.00
Rig Up		LDDP	Motor	26.99
Rig Down		LD/PU BHA	XO	1.67
Ream/Wash		PU DP	Landing Sub	3.52
Circulate		Stuck Pipe	Veloc. Cent	8.53
Trips		Displace	Veloc. Gap Sub	3.59
Cut Drlg line		Test BOP	NMDC	29.80

Run Casing		Rig Repair		NM Flex	29.44	7145
Cement		Set slips/CO		XO	2.89	7239
WOC		Wait on orders				7334
Log		Wait on Daylight				7428
DST		Daywork				7523
Survey/Gyro		Misc		BHA Length	107.43	7618
		Total Hrs	24.00			7713
		Total Rot Hrs	63.00			7806

**Remarks:**

Contacted T.R.R.C on 8/11/16 @ 21:30. Spoke W/ Sherbe operator # 81

Total Fuel used :9,038

Total Fuel Delivered:14,300

Total mud fuel used:2,544

Total mud fuel delivered:7,000

P/U WT.: 180K lb. STR. WT.: 165K lb. S/O WT.: 150K

MAX. ALLOW. PULL: lb. DRILL PIPE: 5" 19.50# S-135

BIT RECORD:			HYDRAULICS:			MUD RECORD @:
NUMBER	3		PUMP No.:	No. 1	No. 2	COMPANY:
SIZE, in.	8.5		STROKE, in.	12	12	DENSITY
TYPE	V513		LINER	6	6	VISCOSITY
SERIAL No.	31470		S.P.M.	54	54	PV / YP
JETS, 32nds	7X22		RATE, G.P.M.	226	226	GEL STRENGTH
W.O.B., lb.	30-40		PRESSURE, psi.	2475		API FILTRATE
R.P.M.			AV/DP, ft./min.			HTHP FILTRATE
DEPTH OUT, ft.			AV/DC, ft./min.			CAKE THICKNESS
DEPTH IN, ft.	6500		JET VEL., ft./sec.			SOLIDS
FOOTAGE	1910		BIT HHP.			O/W RATIO
HOURS	26		PUMP HHP.			Solids adj. for salt(%by vol)
R.O.P., ft./hr.	73.4		E.C.D., ppg.			ALKALINITY MUD
						LIME CONTENT

						ALT CONT. WATER PHAS
						OIL/WATER RATIO

I.A.D.C. DULL GRADING: (BIT # 3 )				Mud Pumps/Slow Pump Rates				CHLORIDE			
TEETH:				PUMP #1:	Maxum-1600				ELECTRICAL STABILITY		
I:	O:	D:	Loc.:	PUMP #2:	TFI-1600				EXCESS LIME		
BEARINGS:		B:		S.P.R. - #1:	40	SPM @		#	CALCIUM		
									MAGNESIUM		
GAUGE:		G:		S.P.R. - #2:	40	SPM @		#	LCM (lb/bbl)		
REMARKS:		O:		R:	REMARKS:						

DIESEL	ON-HAND:	7,414	Gal.	REC'D. LAST 24 HRS.:	0 gals.
FUEL:	ON-HAND:	4,606	Gal.	REC'D. LAST 24 HRS.:	0 Gals

**ACCIDENTS:**

No accidents reported

<b>LAST SAFETY MEETING:</b>	8/14/2016	<b>LAST BOP DRILL:</b>	8/12/2016	
<b>CREWS SHORT:</b>	None	<b>Contact Number</b>	281-840-5074	
<b>TOOLPUSHER:</b>	Ryan Smith	<b>SUPERVISOR:</b>	Joe Kriethe/Oscar Navare	

8

Bison Rig 16

80% Shale 20% Lime

ft

14.630

ft.

**0000 SPP. TF 185M / HS GTFO**

**5 GPM, 2050 SPP, 600 Diff**

PP, GTFO HS

**5 GPM, 2050 SPP, 600 Diff**

PP, GTFO HS

**GPM. 2050 SPP. 600 Diff**

P. GTFO HS

**GPM, 2050 SPP, 600 Diff**

**P, GTFO HS**

**GPM, 2050 SPP, 600 Diff**

**P. GTFO HS**

**GPM. 2050 SPP. 600 Diff**

**GTFO HS**

**1.5 GPM, 2050 SPP, 600 Diff**

**P. GTFO HS**

**GPM. 2350 SPP. 600 Diff**

P. GTFO HS

**GPM. 2350 SPP. 600 Diff**

PP. GTFO HS

**15 GPM, 2355 SPP, 600 Diff**

P. GTFO HS

45 GPM, 2281 SPP, 600 Diff

P. TF 180

45 GPM, 2519 SPP, 600 Diff

# CONFIDENTIAL

[illegible]

OBM Fuel			gal.
	LAST BOP TEST:	8/10/16	
	WEATHER:	Clear	
ette	DATE:	8/15/2016	



\*change TODAY Formula to next column

## Drilling RE

## Drilling RE

WELL:	University Gold 7041A	COUNTY, STATE:	Reagan, Texas
T.D.:	6,520	ft. PROGRESS:	1,517
		ft. (	121.4
		ft/hr	No. DAYS:
			4.4
LAST CSG:	9 5/8	in. SET @:	4,836
		ft. NEXT CSG.:	5 1/2
		in.	SET @:
RKB - "A" SECTION:	22	ft.	

<b>PRESENT OPERATIONS @ REPORT TIME:</b> →	Drilling @ 6,536'
--	-------------------

[illegible]

	Rig Repair	3		Well repairs		Survey Dept
	<b>Total Hour Breakdown:</b>					
	Drlg	12.50	NU/ND BOP		BHA #	3
	Rig service	0.50	LDDC's		Bit	1.00
	Rig Up		LDDP		Motor	26.99
	Rig Down		LD/PU BHA	2.50	XO	1.67
	Ream/Wash		PU DP		Landing Sub	3.52
	Circulate	1.00	Stuck Pipe		Veloc. Cent	8.53
	Trips	5.50	Displace		Veloc. Gap Sub	3.59
	Cut Drlg line		Test BOP		NMDC	29.80
	Run Casing		Rig Repair		NM Flex	29.44
	Cement		Set slips/CO		XO	2.89
	WOC		Wait on orders			
	Log		Wait on Daylight			
	DST		Daywork			
	Survey/Gyro		Misc	2.00	BHA Length	107.43
			<b>Total Hrs</b>	<b>24.00</b>		
			<b>Total Rot Hrs</b>	<b>39.50</b>		

Remarks:

Contacted I.R.R.C on 8/11/16 @ 21:30. Spoke W/ Sherbe operator # 81

Total Fuel used :7,437									
Total Fuel Delivered:14,300									
Total mud fuel used:0									
Total mud fuel delivered:7,000									
P/U WT.:	135K	lb.	STR. WT.:	148K	lb.	S/O WT.:	145K		
MAX. ALLOW. PULL:							lb.	DRILL PIPE:	5" 19.50# S-135
BIT RECORD:			HYDRAULICS:			MUD RECORD @:			
NUMBER	3	2	PUMP No.:	No. 1	No. 2	COMPANY:			
SIZE, in.	8.5	8.5	STROKE, in.	12	12	DENSITY			
TYPE	V513	U613	LINER	6	6	VISCOSITY			
SERIAL No.	31470	31470	S.P.M.	54	54	PV / YP			
JETS, 32nds	7X22	6X18	RATE, G.P.M.	226	226	GEL STRENGTH			
W.O.B., lb.	30-40	30-40	PRESSURE, psi.	1534		API FILTRATE			
R.P.M.		40	AV/DP, ft./min.			HTHP FILTRATE			
DEPTH OUT, ft.		6500	AV/DC, ft./min.			CAKE THICKNESS			
DEPTH IN, ft.	6500	4847	JET VEL., ft./sec.			SOLIDS			
FOOTAGE	36	1653	BIT HHP.			O/W RATIO			
HOURS	2.5	11.5	PUMP HHP.			Solids adj. for salt(%by vol)			
R.O.P., ft./hr.	14	143.7	E.C.D., ppg.			ALKALINITY MUD			
						LIME CONTENT			
						ALT CONT. WATER PHAS			
						OIL/WATER RATIO			
I.A.D.C. DULL GRADING: (BIT # 2 )			Mud Pumps/Slow Pump Rates			CHLORIDE			
TEETH:			PUMP #1:	Maxum-1600		ELECTRICAL STABILITY			
I: 1 O: 1 D: CT Loc.: S			PUMP #2:	TFI-1600		EXCESS LIME			
BEARINGS:	B: XXX		S.P.R. - #1:	40	SPM @	#	CALCIUM		
							MAGNESIUM		
GAUGE:	G: F		S.P.R. - #2:	40	SPM @	#	LCM (lb/bbl)		
REMARKS:	O: NO	R: TD	REMARKS:						
DIESEL	ON-HAND:	9,015	Gal.	REC'D. LAST 24 HRS.:	0 gals.				
FUEL:	ON-HAND:	7,150	Gal.	REC'D. LAST 24 HRS.:	0 Gals				
ACCIDENTS:									
No accidents reported									
LAST SAFETY MEETING:		8/13/2016	LAST BOP DRILL:		8/12/2016				
CREWS SHORT:		None	Contact Number		281-840-5074				
TOOLPUSHER:		Ryan Smith	SUPERVISOR:		Joe Kriethe/Oscar Navare				





\*change TODAY Formula to next column

## Drilling RE

WELL:	University Gold 7041A	COUNTY, STATE:	Reagan, Texas
T.D.:	5,003	ft. PROGRESS:	156
		ft. (	78.0
		ft/hr	No. DAYS:
			3.4
LAST CSG:	13 3/8	in. SET @:	830
		ft. NEXT CSG.:	9 5/8
		in.	SET @:
RKB - "A" SECTION:	22	ft.	

**PRESENT OPERATIONS @ REPORT TIME:** → Drilling @ 5,003'

[illegible]

	Rig Repair	3		Well repairs			Su
	<b>Total Hour Breakdown:</b>						Survey Dept
	Drlg	2.00	NU/ND BOP		BHA #	2	
	Rig service		LDDC's		8.5" PDC Bit	1.00	
	Rig Up		LDDP		6 3/4" Motor	27.08	
	Rig Down		PU DC's		Reamer	6.65	
	Ream/Wash		PU DP	2.50	True Shot	26.52	
	Circulate		Stuck Pipe		Reamer	6.46	
	Trips	2.50	Displace				
	Cut Drlg line		Clean pits				
	Run Casing	7.50	Rig Repair				
	Cement	3.00	Set slips/CO	1.50			
	WOC		Wait on orders				
	Log		Wait on Daylight				
	DST		Daywork				
	Survey/Gyro		Misc	5.00	BHA Length	67.71	
			<b>Total Hrs</b>	<b>24.00</b>			
			<b>Total Rot Hrs</b>	<b>27.00</b>			

Remarks:

**Remarks:**  
**Contacted I.R.R.C on 8/11/16 @ 21:30. Spoke W/ Sherbe operator # 81**

Total Fuel used :6,163											
Total Fuel Delivered:14,300											
Total mud fuel used:0											
Total mud fuel delivered:7,000											
P/U WT.:		135K		lb. STR. WT.:		148K		lb. S/O WT.:		145K	
MAX. ALLOW. PULL:				lb. DRILL PIPE:		5" 19.50# S-135					
BIT RECORD:				HYDRAULICS:				MUD RECORD @:			
NUMBER	2			PUMP No.:	No. 1	No. 2		COMPANY:			
SIZE, in.	8.5			STROKE, in.	12	12		DENSITY			
TYPE	U613			LINER	6	6		VISCOSITY			
SERIAL No.	31470			S.P.M.	65	65		PV / YP			
JETS, 32nds	6X18			RATE, G.P.M.	272	272		GEL STRENGTH			
W.O.B., lb.	30-40			PRESSURE, psi.	1462			API FILTRATE			
R.P.M.	40			AV/DP, ft./min.				HTHP FILTRATE			
DEPTH OUT, ft.				AV/DC, ft./min.				CAKE THICKNESS			
DEPTH IN, ft.	4847			JET VEL., ft./sec.				SOLIDS			
FOOTAGE	156			BIT HHP.				O/W RATIO			
HOURS	2			PUMP HHP.				SAND			
R.O.P., ft./hr.	78			E.C.D., ppg.				METHYLENE B.T.			
								PH			
								MUD ALKALINITY			
								FILTRATE ALKALINITY			
I.A.D.C. DULL GRADING: (BIT # )				Mud Pumps/Slow Pump Rates				CHLORIDE			
TEETH:				PUMP #1:		Maxum-1600				TOTAL HARDNESS	
I:		O:		D:		Loc.:		PUMP #2:		TFI-1600	
BEARINGS:		B: xxx		S.P.R. - #1:		40		SPM @		#	
GAUGE:		G:		S.P.R. - #2:		40		SPM @		#	
REMARKS:		O:		R:		REMARKS:					
DIESEL		ON-HAND:		10,289		Gal.		REC'D. LAST 24 HRS.:		7,150 gals.	
FUEL:		ON-HAND:		7,150		Gal.		REC'D. LAST 24 HRS.:		0 Gals	
ACCIDENTS:											
No accidents reported											
LAST SAFETY MEETING:				8/12/2016		LAST BOP DRILL:				8/12/2016	
CREWS SHORT:		None		Contact Number				281-840-5074			
TOOLPUSHER:		Ryan Smith		SUPERVISOR:				Joe Kriethe/Oscar Navare			







\*change TODAY Formula to next column

## PT Petroleum

Drilling RE

WELL: University Gold 7041A COUNTY, STATE: Reagan, Texas  
 T.D.: 4,847 ft. PROGRESS: 2,111 ft. ( 145.6 ft/hr) No. DAYS: 2.4  
 LAST CSG: 13 3/8 in. SET @: 830 ft. NEXT CSG.: 9 5/8 in. SET @:  
 RKB - "A" SECTION: 22 ft.

PRESENT OPERATIONS @ REPORT TIME: → Pull wear bushing, dry run mandrel & run 9.625 casing.

START	END	TOTAL	
6:00	11:30	5.50	Drill F/ 2,736' - 3,616' (880' @ 160' fph.) 45-55K WOB, 60-80 RPM, 8-12k Tor
11:30	12:00	0.50	Rig service
12:00	21:00	9.00	Drill F/ 3,616' - 4,847' ( 1231' @ 136' fph.) 45-55K WOB, 40-50 RPM, 8-12k Tc
21:00	23:00	2.00	Circulate & clean hole to POOH to RIH w/ 9 5/8" 40# J-55 casing
23:00	0:00	1.00	Pump out of Hole F/4,847' T/3,932' GPM/585, RPM/60.
0:00	2:00	2.00	POOH F/3,932' T/DC's
2:00	3:00	1.00	Pull Rot head & Rig up L/D truck
3:00	6:00	3.00	L/D DC's & BHA

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		24					
	Rig Repair	3		Well repairs			Su
	Total Hour Breakdown:						Survey Dept
	Drlg	14.50	NU/ND BOP		BHA #	1	2798
	Rig service	0.50	LDDC's	3.00	12.25" PDC Br	1.50	2987
	Rig Up		LDDP		8" Motor	28.78	3176
	Rig Down		PU DC's		Reamer	7.35	3365
	Ream/Wash		PU DP		Shock Sub	13.46	3553
	Circulate	2.00	Stuck Pipe		True Shot	31.34	3743
	Trips	3.00	Displace		Reamer	9.70	3837
	Cut Drlg line		Clean pits		5-8" DC's	147.41	3931
	Run Casing		Rig Repair		X-O	2.83	4121
	Cement		Set slips/CO		18-6" DC's	538.79	4215
	WOC		Wait on orders		X-O	2.92	4309
	Log		Wait on Daylight				4403
	DST		Daywork				4497
	Survey/Gyro		Misc	1.00	BHA Length	784.08	4591
			Total Hrs	24.00			4686
			Total Rot Hrs	25.00			4784

Remarks:

Contacted I.R.R.C on 8/11/16 @ 21:30. Spoke W/ Sherbe operator # 81

Total Fuel used :5,330									
Total Fuel Delivered:7,150									
Total mud fuel used:0									
Total mud fuel delivered:7,000									
P/U WT.:		155K	lb. STR. WT.:		148K	lb. S/O WT.:		145K	
MAX. ALLOW. PULL:		lb.				DRILL PIPE:		5" 19.50# S-135	
BIT RECORD:			HYDRAULICS:				MUD RECORD @:		
NUMBER	1		PUMP No.:	No. 1	No. 2	COMPANY:			
SIZE, in.	12.25		STROKE, in.	12	12	DENSITY			
TYPE	U719S		LINER	6	6	VISCOSITY			
SERIAL No.	32017		S.P.M.	90	90	PV / YP			
JETS, 32nds	4X18 3X22		RATE, G.P.M.	377	377	GEL STRENGTH			
W.O.B., lb.	40-50		PRESSURE, psi.	2493		API FILTRATE			
R.P.M.	80		AV/DP, ft./min.			HTHP FILTRATE			
DEPTH OUT, ft.	4847		AV/DC, ft./min.			CAKE THICKNESS			
DEPTH IN, ft.	830		JET VEL., ft./sec.			SOLIDS			
FOOTAGE	4017		BIT HHP.			O/W RATIO			
HOURS	25		PUMP HHP.			SAND			
R.O.P., ft./hr.	160.6		E.C.D., ppg.			METHYLENE B.T.			
						PH			
						MUD ALKALINITY			
						FILTRATE ALKALINITY			
I.A.D.C. DULL GRADING: (BIT # 2 )			Mud Pumps/Slow Pump Rates				CHLORIDE		
TEETH:			PUMP #1:	Maxum-1600				TOTAL HARDNESS	
I: 1 O: 1 D: Ct Loc.: N			PUMP #2:	TFI-1600				EXCESS LIME	
BEARINGS: B: xxx			S.P.R. - #1:	40	SPM @		#	CALCIUM	
								MAGNESIUM	
GAUGE: G: F			S.P.R. - #2:	40	SPM @		#	LCM (lb/bbl)	
REMARKS: O: No R: TD			REMARKS:						
DIESEL		ON-HAND:	3,972	Gal.	REC'D. LAST 24 HRS.:		0 gals.		
FUEL:		ON-HAND:	7,150	Gal.	REC'D. LAST 24 HRS.:		0 Gals		
ACCIDENTS:									
No accidents reported									
LAST SAFETY MEETING:		8/11/2016			LAST BOP DRILL:				
CREWS SHORT:		None		Contact Number			281-840-5074		
TOOLPUSHER:		Ryan Smith		SUPERVISOR:			Joe Kriethe/Oscar Navare		





\*change TODAY Formula to next column



## PT Petroleum

Drilling RE

WELL: University Gold 7041A COUNTY, STATE: Reagan, Texas  
 T.D.: 2,736 ft. PROGRESS: 1,906 ft. ( 181.5 ft/hr) No. DAYS: 1.3  
 LAST CSG: 13 3/8 in. SET @: 830 ft. NEXT CSG.: 9 5/8 in. SET @:  
 RKB - "A" SECTION: 22 ft.

PRESENT OPERATIONS @ REPORT TIME: → Drilling Intermediate section @ 2736'

START	END	TOTAL	
6:00	7:30	1.50	Continue strapping BHA
7:30	10:30	3.00	Center stack, change out psi filter on top drive hydraulic unit, & check all
10:30	11:00	0.50	Install wear bushing
11:00	13:00	2.00	Pick up BHA #1 bit (U719S), motor (7/8 lobe, 4.0 stage), 3-pt reamer, shock
13:00	17:00	4.00	Pick up 5-8" drill collars, X-O, & 18-6" drill collars
17:00	18:00	1.00	TIH and tag Cement @ 796'
18:00	19:00	1.00	Drill cement, wiper plug & shoe track F/796' - T/830' GPM/500,RPM/30,WOB
19:00	21:30	2.50	Drill F/ 830' T/ 1127' ( 297' @ 118' fph.) 20-30K WOB, 250-350 Diff, 60-70 RP
21:30	22:00	0.50	Pull trip nipple & Install rotating head.
22:00	6:00	8.00	Drill F/ 1127' - 2736' ( 1609' @ 201' fph.) 40-50K WOB, 60-80 RPM, 8-12k Tor

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Rig Repair	3	Well repairs		Su
Total Hour Breakdown:				Survey Dept
Drlg	10.50	NU/ND BOP		909
Rig service		LDDC's		1096
Rig Up		LDDP		1285
Rig Down		PU DC's	6.00	1473
Ream/Wash		PU DP		1664
Circulate		Stuck Pipe		1853
Trips	1.00	Displace		1947
Cut Drlg line		Clean pits		2136
Run Casing		Rig Repair	3.00	2325
Cement		Set slips/CO		2419
WOC		Wait on orders		2610
Log		Wait on Daylight		
DST		Daywork		
Survey/Gyro		Misc	3.50	
		Total Hrs	24.00	
		Total Rot Hrs	10.50	
		BHA Length	784.08	

Remarks:

Total Fuel used :3,225									
Total Fuel Delivered:7,150									
Total mud fuel used:0									
Total mud fuel delivered:7,000									
P/U WT.: 130K lb. STR. WT.: 130K lb. S/O WT.: 127K									
MAX. ALLOW. PULL: lb. DRILL PIPE: 5" 19.50# S-135									
BIT RECORD:			HYDRAULICS:				MUD RECORD @:		
NUMBER	1		PUMP No.:	No. 1	No. 2	COMPANY:			
SIZE, in.	12.25		STROKE, in.	12	12	DENSITY			
TYPE	U719S		LINER	6	6	VISCOSITY			
SERIAL No.	32017		S.P.M.	90	90	PV / YP			
JETS, 32nds	4X18 3X22		RATE, G.P.M.	377	377	GEL STRENGTH			
W.O.B., lb.	40-50		PRESSURE, psi.	2493		API FILTRATE			
R.P.M.	80		AV/DP, ft./min.			HTHP FILTRATE			
DEPTH OUT, ft.			AV/DC, ft./min.			CAKE THICKNESS			
DEPTH IN, ft.	830		JET VEL., ft./sec.			SOLIDS			
FOOTAGE	1906		BIT HHP.			O/W RATIO			
HOURS	10.5		PUMP HHP.			SAND			
R.O.P., ft./hr.	181.5		E.C.D., ppg.			METHYLENE B.T.			
						PH			
						MUD ALKALINITY			
						FILTRATE ALKALINITY			
I.A.D.C. DULL GRADING: (BIT # )			Mud Pumps/Slow Pump Rates				CHLORIDE		
TEETH:			PUMP #1:	Maxum-1600			TOTAL HARDNESS		
I:	O:	D:	Loc.:	PUMP #2:	TFI-1600			EXCESS LIME	
BEARINGS:		B:		S.P.R. - #1:	40	SPM @		#	CALCIUM
									MAGNESIUM
GAUGE:		G:		S.P.R. - #2:	40	SPM @		#	LCM (lb/bbl)
REMARKS:		O:	R:	REMARKS:					
DIESEL		ON-HAND:	6,077	Gal.	REC'D. LAST 24 HRS.:		0 gals.		
FUEL:		ON-HAND:	7,150	Gal.	REC'D. LAST 24 HRS.:		0 Gals		
ACCIDENTS:									
No accidents reported									
LAST SAFETY MEETING:		8/10/2016			LAST BOP DRILL:				
CREWS SHORT:		None		Contact Number			281-840-5074		
TOOLPUSHER:		Ryan Smith		SUPERVISOR:			Joe Kriethe/Oscar Navare		





\*change TODAY Formula to next column

## PT Petroleum

**WELL:** University Gold 7041A      **COUNTY, STATE:** Reagan  
**T.D.:** 0 ft. **PROGRESS:** 0 ft. (      ft/hr) **No. DAYS:**        
**LAST CSG:** 13 3/8 in. **SET @:** 830 ft. **NEXT CSG.:** 9 5/8 in.  
**RKB - "A" SECTION:** 22 ft.

**PRESENT OPERATIONS @ REPORT TIME:** → **Load & strap BHA**

START	END	TOTAL	
6:00	15:30	9.50	Continue rigging up floor, pin blocks to topdrive, dress o
15:30	17:00	1.50	Pre spud inspection & corrections.
17:00	18:30	1.50	RU Midcentral nipple up crew. Raise BOP & torque to sp
18:30	21:30	3.00	Connect all hyd. Lines ,function test, Install turnbuckles
21:30	23:30	2.00	Refabricate rot. Head bowl to fit flowline.
23:30	5:00	5.50	Test BOP, blind rams, pipe rams, annular and choke mar
			Attempt to test topdrive packing leaking rebuild & replac
5:00	6:00	1.00	Set pipe racks & load & strap BHA.

CON

24

Rig Repair      Well repairs

**Total Hour Breakdown:**

Drlg		NU/ND BOP	10.00	BHA #	
Rig service		LDDC's		12.25" PDC Br	
Rig Up	11.00	LDDP		8" Motor	
Rig Down		PU DC's		Reamer	
Ream/Wash		PU DP		Shock Sub	
Circulate		Stuck Pipe		True Shot	
Trips		Displace		Reamer	
Cut Drlg line		Clean pits		5-8" DC's	
Run Casing		Rig Repair		X-O	
Cement		Set slips/CO		18-6" DC's	
WOC		Wait on orders		X-O	
Log		Wait on Daylight			
DST		Daywork			
Survey/Gyro		Misc	3.00	BHA Length	0
		<b>Total Hrs</b>	<b>24.00</b>		
		<b>Total Rot Hrs</b>	<b>0.00</b>		

**Remarks:**

Total Fuel used :850

**Total Fuel Delivered:7,150**

Total mud fuel used:0

**Total mud fuel delivered:7,000**

P/O WT.: lb. STR. WT.: lb. S/O WT.:

**MAX. ALLOW. PULL:** lb. **DRILL PIPE:**

BIT RECORD:			HYDRAULICS:			MU
NUMBER	1		PUMP No.:	No. 1	No. 2	
SIZE, in.	12.25		STROKE, in.	12	12	
TYPE	U719S		LINER	6	6	
SERIAL No.	32017		S.P.M.			
JETS, 32nds	4X18 3X22		RATE, G.P.M.			Gr
W.O.B., lb.			PRESSURE, psi.			A
R.P.M.			AV/DP, ft./min.			HT
DEPTH OUT, ft.			AV/DC, ft./min.			CA
DEPTH IN, ft.			JET VEL., ft./sec.			
FOOTAGE			BIT HHP.			
HOURS			PUMP HHP.			
R.O.P., ft./hr.			E.C.D., ppg.			ME

**I.A.D.C. DULL GRADING: (BIT # )**

**Mud Pumps/Slow Pump Rates**

TEETH:				PUMP #1:	Maxum-1600	TOT
I:	O:	D:	Loc.:	PUMP #2:	TFI-1600	E
BEARINGS:		B:		S.P.R. - #1:	40 SPM @ #	I
GAUGE:		G:		S.P.R. - #2:	40 SPM @ #	
REMARKS:		O:	R:	REMARKS:		

**DIESEL** ON-HAND: 9,302 Gal. **REC'D. LAST 24 HRS.:** 0 gals.

**FUEL:** ON-HAND: 0 Gal. **REC'D. LAST 24 HRS.:** 0 Gals

**ACCIDENTS:**

**No accidents reported**

**LAST SAFETY MEETING:** 8/9/2016 **LAST BOP DRILL:**

**Bison Trucking & crew.**

**CREWS SHORT:** None **Contact Number**

**TOOLPUSHER:** Ryan Smith **SUPERVISOR:** Joe Kr

## 3

## Bison Rig 16

**FORMATION:**

ft.

**ecs.**

fold. 250 Psi Low, 1500 Psi High. Replace swivel packing due to leak. Test casing and hold 30 minutes. 10  
ed, & replaced o ring gasket between standpipe in derrick.

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## PT Petroleum

WELL:	University Gold 7041A	COUNTY, STATE:	Reagan
T.D.:	0	ft. PROGRESS:	0
LAST CSG:	13 3/8	ft. (	ft/hr) No. DAYS:
SET @:	830	ft. NEXT CSG.:	9 5/8
RKB - "A" SECTION:	22	ft.	

<b>PRESENT OPERATIONS @ REPORT TIME:</b> →	Resume rig up.
--	----------------

[illegible]

# CON

Rig Repair			Well repairs
------------	--	--	--------------

### Total Hour Breakdown:

Drlg		NU/ND BOP		BHA #	
Rig service		LDDC's			
Rig Up	24.00	LDDP			
Rig Down		PU DC's			
Ream/Wash		PU DP			
Circulate		Stuck Pipe			
Trips		Displace			
Cut Drlg line		Clean pits			
Run Casing		Rig Repair			
Cement		Set slips/CO			
WOC		Wait on orders			
Log		Wait on Daylight			
DSI		Daywork			
Survey/Gyro		Misc		BHA Length	0
		<b>Total Hrs</b>	<b>24.00</b>		
		<b>Total Rot Hrs</b>	<b>0.00</b>		

**Remarks:**

Total Fuel used :

**Total Fuel Delivered: 7,150**

Total mud fuel used: 0

**Total mud fuel delivered:**

P/O WT.: lb. STR. WT.: lb. S/O WT.:

**MAX. ALLOW. PULL:** lb. **DRILL PIPE:**

BIT RECORD:			HYDRAULICS:			MU
NUMBER	1		PUMP No.:	No. 1	No. 2	
SIZE, in.			STROKE, in.	12	12	
TYPE			LINER	6	6	
SERIAL No.			S.P.M.			
JETS, 32nds			RATE, G.P.M.			Gr
W.O.B., lb.			PRESSURE, psi.			A
R.P.M.			AV/DP, ft./min.			HT
DEPTH OUT, ft.			AV/DC, ft./min.			CA
DEPTH IN, ft.			JET VEL., ft./sec.			
FOOTAGE			BIT HHP.			
HOURS			PUMP HHP.			
R.O.P., ft./hr.			E.C.D., ppg.			ME

MU  
FILTR

I.A.D.C. DULL GRADING: (BIT # )				Mud Pumps/Slow Pump Rates		
TEETH:				PUMP #1:	Maxum-1600	TOT
I:	O:	D:	Loc.:	PUMP #2:	TFI-1600	E
BEARINGS:		B:		S.P.R. - #1:	40 SPM @ #	I
GAUGE:		G:		S.P.R. - #2:	40 SPM @ #	
REMARKS:		O:	R:	REMARKS:		

DIESEL	ON-HAND:	2,000	Gal.	REC'D. LAST 24 HRS.:	7,150 gals.
FUEL:	ON-HAND:	0	Gal.	REC'D. LAST 24 HRS.:	0 Gals

**ACCIDENTS:**

**No accidents reported**

**LAST SAFETY MEETING:** 8/7/2016 **LAST BOP DRILL:**

**Bison Trucking & crew.**

<b>CREWS SHORT:</b>	None	<b>Contact Number</b>	
<b>TOOLPUSHER:</b>	Ryan Smith	<b>SUPERVISOR:</b>	Joe Kr

**2**

## Bison Rig 16

**FORMATION:**

ft.

**topdrive, and run all electrical for topdrive. Continue rigging up**

# CONFIDENTIAL

[illegible]

\*change TODAY Formula to next column

