Form 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OM B No. 1004-0135
Expires: January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160 - 3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

MAY 21 2013

RECEIVED

5. Lease Serial No.
NMNM - 127446

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☑ Oil Well ☐ ☐ Gas Well ☐ ☐ Other

8. Well Name and No.
Pryor Federal-State Com 4H

2. Name of Operator **GMT Exploration Company, LLC**

9. API Well No.
30-025-40862

3a. Address
1560 Broadway Suite 200 Denver, CO 80202

3b. Phone No. *(include area code)*
303-586-9280

10. Field and Pool, or Exploratory Area
Ojo Chiso, Bone Spring South

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
20'FNL & 430'FWL, Lat: 32.340856, Long: 103.430922
Sec 1, T23S R23S R34E Lot #4

11. County or Parish, State
Lea, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☑ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other ***Drilling Operations***
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Drilling Operations
12/03/2012 - 12/06/2012
6:00 6:00 0.00 12-3-12 MONDAY; START MIRU MCVAY RIG #4 FROM KERMIT TEXAS, 100% EQPT ON LOCATION
6:00 6:00 0.00 12-4-12 TUESDAY; SET OUT EQPT AND RU ALL ASSOCIATED SERVICES FOR OPERATION TRUCKS
6:00 6:00 0.00 RELEASED @ 1400 PM 12-4-12
6:00 20:00 14.00 12-5-12 WEDNESDAY; BUILD CONDUCTOR, FLOWLINE, FLOOD PITS, RU CLOSE LOOP
20:00 22:00 2.00 Spud the Pryor Federal-State Com 4H @ 20:00 hrs MST. on 12-5-12. R/D 17 1/2" surface section f/98' to 133'
22:00 23:30 1.50 Lost returns @ 133'. Build and pump LCM pills and regain circulation.
23:30 0:00 0.50 R/D 17 1/2" surface section f/133' to 145'.
0:00 2:00 2.00 Lost returns @ 145'. Build and spot LCM pills and regain circulation
2:00 3:00 1.00 R/D 17 1/2" surface section f/145' to 170'.
3:00 6:00 3.00 Build and pump LCM pills to regain circulation.

Notified Christy with BLM @ 0830 AM on 12-4-12 of intent to spud

Please see attached Drilling Operations Summary

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Ashley E Buckner Title **Production Technician**

Signature [signature] Date 5/20/13

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date MAY 18 2013

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

JUL 24 2013

GMT Exploration Company LLC
Pryor Federal-State #4H
Drilling Operations

12/03/2012 - 12/06/2012

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6:00	6:00	0.00	RELEASED @ 1400 PM 12-4-12
6:00	20:00	14.00	12-5-12 WEDNESDAY; BUILD CONDUCTOR, FLOWLINE, FLOOD PITS, RU CLOSE LOOP
20:00	22:00	2.00	Spud the Pryor Federal-State Com 4H @ 20:00 hrs MST. on 12-5-12. R/D 17 1/2" surface section f/98' to 133'
22:00	23:30	1.50	Lost returns @ 133'. Build and pump LCM pills and regain circulation.
23:30	0:00	0.50	R/D 17 1/2" surface section f/133' to 145'.
0:00	2:00	2.00	Lost returns @ 145'. Build and spot LCM pills and regain circulation
2:00	3:00	1.00	R/D 17 1/2" surface section f/145' to 170'.
3:00	6:00	3.00	Build and pump LCM pills to regain circulation.
			Notified Christy with BLM @ 0830 AM on 12-4-12 of intent to spud

12/07/2012

6:00	7:00	1.00	Mix and pump LCM pills.
7:00	7:30	0.50	R/D 17 1/2" surface section f/170' to 202'. No returns.
7:30	8:00	0.50	Set kelly back and POOH to spot cement plug.
8:00	19:30	11.50	Wait on Schlumberger cementers to arrive on location.
19:30	20:30	1.00	ran 1 std DP to 95'. PJSM and R/U cementers. Test lines to 1500 psi. Pumped 50 bbls. Of water ahead
20:30	20:30	0.00	followed by 250 sks. (59) bbls. Of surry class c with 2% CaCL2 @ 14.8 ppg. Yield of 1.36 and 6.86 water
20:30	20:30	0.00	gal/sk. With 5 lbs. of koal seal. Pull 1 std DP
20:30	1:00	4.50	WOC 4 hrs. and fill conductor pipe with 43 bbls. Of water. Water was falling back slowly.
1:00	3:00	2.00	Wait on second load of cement to arrive. Ran 1 std DP to 95'
3:00	3:30	0.50	R/U cementers and pump 75 sx (18 bbls) Of class c cement with 2% CL2 @ 14.8 ppg. Yield of 1.36 and 6.86
3:30	3:30	0.00	water gal/sk. With 2% CaCl2 & 5 lbs. of koal seal. Got returns. R/D cementers and POOH one stand of DP.
3:30	3:30	0.00	Had 12' of cement on bottom of DP.
3:30	6:00	2.50	WOC 4 hrs. water level was staying steady in conductor 24' down.
			Informed the BLM office in Carlsbad, New Mexico of our plan. Talked to Chris and Ed and they didn't
			have a problem with our plan.
			Diesel used 660 gals. Fuel on hand 7057 gals.

12/08/2012

6:00	**8:30**	2.50	WOC
8:30	**9:15**	0.75	TIH and tag cement @ 98'.
9:15	**9:30**	0.25	P/U kelly and break circulation.
9:30	**11:00**	1.50	Drill cement f/98' to 202'.
11:00	**11:30**	0.50	Drill 17 1/2" surface section f/202' to 236'.
11:30	**11:45**	0.25	Circulate and set kelly back and R/D schlumberger.
11:45	**12:30**	0.75	POOH and L/D 3 jts. Of DP and RIH with std. of DC'S out of the derrick.
12:30	**13:45**	1.25	Drill 17 1/2" surface section f/236' to 296'.
13:45	**14:00**	0.25	Survey @ 292' dev. 1.3 deg. Prodrift.
14:00	**17:30**	3.50	Drill 17 1/2" surface section f/296' to 543'
17:30	**18:00**	0.50	Survey @ 539' dev. 0.7 deg. Prodrift.
18:00	**21:00**	3.00	Drill 17 1/2" surface section f/543' to 717'.
21:00	**21:45**	0.75	Install rotating head Bearing assy. And driver.
21:45	**22:45**	1.00	Drill 17 1/2" surface section f/717' to 780'.
22:45	**23:00**	0.25	Survey @ 756' dev. 1 deg. Prodrift.
23:00	**2:45**	3.75	Drill 17 1/2" surface section f/780' to 1035'
2:45	**3:00**	0.25	Survey @ 1011' dev. 1.2 deg. Prodrift.
3:00	**6:00**	3.00	Drill 17 1/2" surface section f/1035' to 1226'.
			Diesel used 958 gals. Fuel on hand 6099 gals.

12/09/2012

6:00	**7:00**	1.00	Run survey prodrift would not sync.
7:00	**7:45**	0.75	Drill 17 1/2" surface section f/1226' to 1322'.
7:45	**8:15**	0.50	Survey @ 1318' dev. 0.8 deg. Prodrift.
8:15	**14:30**	6.25	Drill 17 1/2" surface section f/1322' to 1543'.
14:30	**14:45**	0.25	Survey @ 1539' dev. 1.8 deg.
14:45	**18:45**	4.00	Drill 17 1/2" surface section f/1543' to 1670'. Run 10/12K wob & 100 rpm to let walk back.
18:45	**19:30**	0.75	Tried to get a survey could not get prodrift to sync.
19:30	**21:15**	1.75	Drill 17 1/2" surface section f/1670' to 1702'.
21:15	**22:15**	1.00	Tried to run another survey no sync. Teledrift tech. arrived and checked all surface equip. it was ok.
22:15	**23:45**	1.50	Drill 17 1/2" surface section f/1702' to 1733'. R/U wireline survey unit.
23:45	**0:15**	0.50	Survey with wireline totco @ 1674' dev. 2.36 deg.
0:15	**6:00**	5.75	Drill 17 1/2" surface section f/1733' to 1820'. Run 10K wob 80/100 rpm fanning it to get it to walk back.
			Been reaming each connection twice.
			MiSwaco pumps to there centrifuges went out one after another and had to rebuild them. We changed
			shaker screens to 140. MiSwaco equipment has been running good sense they rebuilded there pumps.
			Pathfinder directional team arrived on location yesterday and all directional tools. Tools, MWD have been
			checked and are ready for the 12 1/4" intermediate section.
			Diesel used 1532 gals. Fuel on hand 4567 gals.

12/10/2012

6:00	7:00	1.00	Drill 171/2" Surface section f/1820' to 1850'. TD surface section.
7:00	9:00	2.00	Pump two sweeps and circulate hole clean.
9:00	9:30	0.50	Drop totco and set kelly back.
9:30	12:00	2.50	POOH to run 13 3/8" 54.5# J-55 ST&C casing.
12:00	12:30	0.50	L/D 17 1/2" IBS, 8" shock sub, 8" teledrift, Bit sub and 17 1/2" bit.
12:30	14:00	1.50	Held PJSM with casing crew and L/D crew and R/U L/D machine and casers.
14:00	15:00	1.00	M/U 13 3/8" TPGS, one jt. Of casing, float collar and 2 jts. Of casing. Fill casing and TIH to 150'.
15:00	16:30	1.50	Work tight spot @ 150'. Could not get casing passed 150'.
16:30	17:30	1.00	POOH and L/D 2 jts. Of 13 3/8" casing. Pull up and looked at the TPGS it looked like the sharp edges
17:30	17:30	0.00	had been digging into the wall or cement @ 150'. Removed the TPGS. Weatherford had a slip on weld on
17:30	17:30	0.00	bull nose guide shoe. It has a beveled bottom and no sharp edges to hang up on.
17:30	19:30	2.00	Wait on welder and Weatherford to arrive.
19:30	20:30	1.00	Held PJSM with the welder and weld on bull nose guide shoe.
20:30	22:30	2.00	TIH with 13 3/8" shoe track assy. M/U two jts. Of 13 3/8" casing and TIH. Tagged up again @ 150' , wash
22:30	22:30	0.00	and try and work through that spot.
22:30	0:00	1.50	L/D 13 3/8" casing and R/D casers and L/D machine.
0:00	1:00	1.00	Rig repair, rotary clutch.
1:00	5:00	4.00	P/U and M/U Bit #1, bit sub, IBS and TIH. Worked through bad spot @ 150' didn't see a thing. Continue TIH.
5:00	5:00	0.00	Work through tight spots @ 603', 626', 1300', 1340'.
5:00	6:00	1.00	L/D 2 jts. Of DP. Kelly up and wash & ream f/1340' to 1400'.
			Diesel used 757 gals. Fuel on hand 3810 gals.

12/11/2012

6:00	6:30	0.50	Wash and ream f/1371' to 1384'.
6:30	7:00	0.50	Set kelly back and TIH 3 stands out of derrick.
7:00	7:30	0.50	P/U 3 jts. Of DP and kelly up and break circulation.
7:30	8:00	0.50	Wash and ream 4 jt. 26' in.
8:00	9:00	1.00	Pump 50 bbls. Of hi vis sweep and circulate hole clean.
9:00	11:00	2.00	Set kelly back and L/D 4 jts. Of DP and POOH.
11:00	11:30	0.50	L/D 17 1/2" bit, BS and 17 1/2" IBS.
11:30	12:30	1.00	Held PJSM with casers and L/D machine operator and R/U casers and L/D machine.
12:30	15:30	3.00	RIH with 13 3/8" casing to 150'. Try and wash casing down would not go passed 150'. L/D 4 jts. Of csg.
15:30	15:30	0.00	and R/D casers and L/D machine.
15:30	16:30	1.00	Wait on 17 1/2" roller reamers and short DC.
16:30	19:00	2.50	M/U reaming assy. And TIH. Kelly up.
19:00	0:30	5.50	Wash and ream f/120' to 230'. Reamed these sections several times untill hole was smooth.
0:30	1:00	0.50	Circulate hole clean.
1:00	3:30	2.50	Set kelly back andPOOH and L/D 17 1/2" roller reamers, 8" short collar and 17 1/2" bit.
3:30	6:00	2.50	Held PJSM with casers and L/D machine operator and R/U casers and L/D machine. P/U shoe track and
			two jts. Of 13 3/8" casing and TIH.

12/12/2012

6:00	9:00	3.00	Run 13 3/8" casing to 1809'. 45 jts. Of 13 3/8" 54# J-55 ST&C casing.
9:00	11:30	2.50	Swedge up on jt 46 and wash 39' feet to bottom. Land casing @ 1849'. Circulate casing and R/D casers
11:30	11:30	0.00	and L/D machine.
11:30	16:00	4.50	Held PJSM with Schlumberger cementers and R/U cementers. Test lines to 2000 psi. ok. Pump 20
16:00	16:00	0.00	bbl. Water spacer with green dye followed by 1125 sks. (399) bbls. Of class c lead cement @ 12.9 ppg.
16:00	16:00	0.00	Yield of 1.99 and 10.76 watergal/sk. Followed by 500 sks. (120) bbls. Of class c tail cement @ 14.8 ppg.
16:00	16:00	0.00	Yield of 1.34 and 6.37 watergal/sk. Dropped non rotating plug and displace with 280 bbls. Of 10 ppg.
16:00	16:00	0.00	brine water. Land plug and bump plug to 1030 psi. held pressure for 5 mins. And released pressure
16:00	16:00	0.00	and checked float, float held. R/D cementers. Got back one bbl. Of brine water after releaseing pressure.
16:00	16:00	0.00	Had good returns through the job. Jack Johnson with the BLM was on site to wittness the cement job.
16:00	0:30	8.50	WOC and clean out mud tanks. Did circulate 735 sks. Of cement to surface.
0:30	2:00	1.50	Held PJSM with Mann welder and cut off conductor pipe and 13 3/8" casing. L/D 13 3/8" cut off and
2:00	2:00	0.00	conductor pipe.
2:00	4:00	2.00	Dress off 13 3/8" casing and set on 13 5/8" x 3000 psi well head and weld on well head. Test head to
4:00	4:00	0.00	750 psi ok.
4:00	6:00	2.00	P/U and set 13 5/8" 3000# stack and N/P.
			Informed BLM office in Hobbs, NM @ 03:45 am on 12/12/2012 for BOP test. Talked to Pat.
			Diesel used 544 gals. Fuel on hand 9266 gals.

12/13/2012

6:00	11:00	5.00	N/U 13 5/8" 3000# Annular stack, Hyd. Lines, choke manifold.
11:00	16:00	5.00	Test Annular stack, choke manifold, manual vales, upper and lower kelly cock valves, stand pipe
16:00	16:00	0.00	and mud line back to the pumps from 250 psi. low and 1500 psi. hi. R/D tester.
16:00	17:30	1.50	Start P/U and M/U directional tools.
17:30	20:00	2.50	Wait on Smith bits to bring shadow box to set 12 /14" bit breaker in.
20:00	0:00	4.00	Continue to P/U and M/U directional tools and trip in hole.
0:00	0:30	0.50	Test casing to 1000 psi. for 30 mins. Ok.
0:30	3:00	2.50	Drill out the non rotating plug, float collar and cement f/1755' to 1850'.
3:00	6:00	3.00	Drlg. 12 1/4" intermediate section with power v f/1850' to 1899'.
			Patherfinder Don't have a cost sheet as of this morning. There boss is going to email them one sometime

			this morning.
			Diesel used 744 gals. Fuel on hand 8522 gals.

12/14/2012

6:00	**8:15**	2.25	Drlg. 12 1/4" intermediate section f/1899' to 1994'
8:15	**8:30**	0.25	Survey @ 1881' dev. 1.30 deg.
8:30	**9:30**	1.00	Drlg. 12 1/4" intermediate section f/1994' to 2057'
9:30	**9:45**	0.25	Survey @ 1976' dev. 0.10 deg.
9:45	**11:15**	1.50	Drlg. 12 1/4" intermediate section f/2057' to 2152'.
11:15	**11:30**	0.25	Survey @ 2071' dev. 0.10 deg.
11:30	**12:45**	1.25	Drlg. 12 1/4' intermediate section f/2152' to 2247'.
12:45	**13:00**	0.25	Survey @ 2166' dev. 0.05 deg.
13:00	**14:15**	1.25	Pump repair.
14:15	**15:45**	1.50	Drlg. 12 1/4" intermediate section f/2247' to 2342'.
15:45	**16:00**	0.25	Survey @ 2261' dev 0.07 deg.
16:00	**17:45**	1.75	Drlg. 12 1/4" intermediate section f/2342' to 2436'
17:45	**18:00**	0.25	Survey @ 2355' dev. 0.10 deg.
18:00	**19:15**	1.25	Drlg. 12 1/4" intermediate section f/2436' to 2531'
19:15	**19:30**	0.25	Survey @ 2450' dev. 0.05 deg.
19:30	**19:45**	0.25	Drlg. 12 1/4" intermediate section f/2531' to 2541'
19:45	**20:15**	0.50	Pump repair.
20:15	**22:00**	1.75	Drlg. 12 1/4" intermediate section f/2541' to 2626'.
22:00	**22:15**	0.25	Survey @ 2545' dev. 0.14 deg.
22:15	**0:15**	2.00	Drlg. 12 1/4" intermediate section f/2626' to 2721'
0:15	**0:30**	0.25	Survey @ 2640' dev. 0.14 deg.
6:00	**0:30**	18.50	Details on Page one (previous)
0:30	**2:00**	1.50	Drlg. 12 1/4" intermediate section f/2721' to 2816'
2:00	**2:15**	0.25	Survey @ 2735' dev. 0.03 deg.
2:15	**3:30**	1.25	Drlg. 12 1/4" intermediate section f/2816' to ' to 2911'.
3:30	**3:45**	0.25	Survey @ 2830' dev. 0.14 deg.
3:45	**5:15**	1.50	Drlg. 12 1/4" intermediate section f/2911' to 3006'.
5:15	**5:30**	0.25	Survey @ 2925' dev. 0.11 deg.
5:30	**6:00**	0.50	Drlg. 12 1/4" intermediate section f/3006' to 3025'

			Diesel used 2146 gals. Fuel on hand 6376 gals.

12/15/2012

6:00	**8:00**	2.00	Drlg. 12 1/4" intermediate section f/3025' to 3195'. Survey @ 3114' dev. 0.08 deg. (1/4 hr.)
8:00	**10:00**	2.00	Drlg. 12 1/4" intermediate section f/3195' to 3291'. Survey @ 3210' dev. 0.05 deg. (1/4 hr.)
10:00	**12:00**	2.00	Drlg. 12 1/4" intermediate section f/3291' to 3386'. Survey @ 3305' dev. 0.10 deg. (1/4 hr.)
12:00	**12:30**	0.50	Service Rig. Grease blocks, swivel and draw works.
12:30	**15:30**	3.00	Drlg. 12 1/4" intermediate section f/3386' to 3481'. Survey @ 3400' dev. 0.10 deg. (1/4 hr.)
15:30	**18:00**	2.50	Drlg. 12 1/4" intermediate section f/3481' to 3576'. Survey @ 3495' dev. 0.11 deg. (1/4 hr.)
18:00	**19:15**	1.25	Drlg. 12 1/4" intermediate section f/3576' to 3639'.
19:15	**22:15**	3.00	MiSwaco centrifuge's are not keeping up. Had to shut down and jet out the shale pit.
22:15	**23:00**	0.75	Drlg. 12 1/4" intermediate section f/3639' to 3671'. Survey @ 3590' dev. 0.05 deg. (1/4 hr.)
23:00	**1:00**	2.00	Drlg. 12 1/4" intermediate section f/3671' to 3765'. Survey @ 3684' dev. 0.00 deg. (1/4 hr.).
1:00	**2:45**	1.75	Drlg. 12 1/4" intermediate section f/3765' to 3860'.
2:45	**5:15**	2.50	Vibrate hose on #1 pump blew a hole in it. Bull plug one end and circulate until another vibrate hose
5:15	**5:15**	0.00	arrives. Install vabrate hose on # 1 pump.
5:15	**6:00**	0.75	Drlg. 12 1/4" intermediate section f/3860' to 3870'.
			Diesel used 2052 gals. Fuel on hand 4324 gals.

12/16/2012

6:00	**8:00**	2.00	Work on swivel packing.
8:00	**11:30**	3.50	Drlg. 12 1/4" intermediate section f/3870' to 3955'. Survey @ 3874' dev. 0.03 deg. (1/4 hr.).
11:30	**12:15**	0.75	Drlg. 12 1/4" intermediate section f/3955' to 3984'.
12:15	**13:00**	0.75	Rig service. Grease blocks, swivel and draw works.
13:00	**16:30**	3.50	Drlg. 12 1/4" intermediate section f/3984' to 4050'. Survey @ 3969' dev. 0.05 deg. (1/4 hr.). ROP 25/60 fph
16:30	**19:15**	2.75	Drlg. 12 1/4" intermediate section f/4050' to 4145'. Survey @ 4064' dev. 0.11 deg. (1/4 hr.). Rop 20/60 fph.
19:15	**23:15**	4.00	Drlg. 12 1/4" intermediate section f/4145' to 4240'. Survey @ 4159' dev. 0.15 deg. (1/4 hr.). ROP 18/50 fph.
23:15	**5:00**	5.75	Drlg. 12 1/4" intermediate section f/4240' to 4335'. Survey @ 4254' dev. 0.08 deg. (1/4 hr.). ROP 12/18 fph.
5:00	**6:00**	1.00	Pump sweep and circulate hole clean.

			Diesel used 1802 gals. Fuel on hand 2522 gals.

12/17/2012

6:00	**8:00**	2.00	Continue to POOH. Found that we were 30' deeper than reported 4333' should have been 4366'.
8:00	**10:00**	2.00	L/D MWD tool, schlumberger down loaded information, change MWD and bit.
10:00	**11:30**	1.50	TIH with BHA and one stand of DP.
11:30	**13:30**	2.00	Surface test MWD. MWD was getting to much noise schlumberger changed out sensor on rig floor.
13:30	**16:00**	2.50	Continue to TIH to 4255'.
16:00	**18:00**	2.00	Schlumberger re-logged well from 4255' to 4366'.
18:00	**21:00**	3.00	Drlg. 12 1/4" intermediate section f/4366' to 4429'.
21:00	**21:15**	0.25	Survey @ 4348' dev. 0.62 deg.
21:15	**0:00**	2.75	Drlg. 12 1/4" intermediate section f/4429' to 4524'.
0:00	**0:15**	0.25	Survey @ 4443' dev. 0.18 deg.
0:15	**2:30**	2.25	Drlg. 12 1/4" intermediate section f/4524' to 4619'.
2:30	**2:45**	0.25	Survey @ 4538' dev. 0.18 deg. BOP drill.
2:45	**5:00**	2.25	Drlg. 12 1/4" intermediate section f/4619' to 4714'
5:00	**5:30**	0.50	Service rig.
5:30	**6:00**	0.50	Drlg. 12 1/4" intermediate section f/4714' to 4746.
			Diesel used 1188 gals. Fuel on hand 8834 gals.

12/18/2012

6:00	**6:15**	0.25	Survey @ 4728' dev. 0.20 deg.
6:15	**9:45**	3.50	Drlg. 12 1/4' intermediate section f/4746' to 4904'. Survey @ 4823' dev. 0.10 deg. (1/4 hr.).
9:45	**13:00**	3.25	Drlg. 12 1/4' intermediate section f/4904" to 4999'. Survey @ 4918' dev. 0.22 deg. (1/4 hr.).
13:00	**16:45**	3.75	Drlg. 12 1/4" intermediate section f/4999' to 5094'. Survey @ 5013' dev. 0.12 deg. (1/4 hr.).
16:45	**20:15**	3.50	Drlg. 12 1/4" intermediate section f/5094' to 5158'.
20:15	**21:15**	1.00	Replace linger gasket on #1 pump and R/U fluid caliper.
21:15	**0:30**	3.25	Drlg. 12 1/4" intermediate section f/5158' to 5189'. Survey @ 5108' dev. 0.51 deg. (1/4 hr.).
0:30	**4:00**	3.50	Drlg. 12 1/4" intermediate section f/5189' to5237'. Drlg. w/37K WOB @ 13.7 FPH.
4:00	**5:00**	1.00	Rig repair. Work on #1 pump and #2 pump. Junk under valves.

5:00	**6:00**	1.00	Drlg. 12 1/4" intermediate section f/5237' to 5242'. Drlg. w/40K WOB @ 5 FPH.
			Will TD @ 5267'-5270' for best csg. Fit, offset 1H 100% dolomite at this depth, csg. Was set @ 5225'.
			Pumped fluid caliper @ 5172' = 3357 ann. Cuft.
			3337-865 (650 sx tail @ 1.33 yd) = 2492 x 1.20 = 2990/1.94 (lead yd) = 1541 sx. Plan to pump 1540
			sx lead and 650 sx tail.
			Diesel used 1970 gals. Fuel on hand 6854 gals.

12/19/2012

6:00	**8:15**	2.25	Drlg. 12 1/4" intermediate section f/5242' to 5270'. WOB 35/44K, RPM 65, SPP 2900/3000, ROP 12.4 FPH.
8:15	**9:45**	1.50	Pump 80 bbl. Hi vis. Sweep and circulate hole clean. Survey @ 5187' dev. 0.19 deg.
9:45	**10:15**	0.50	Set kelly back and R/U pump in sub and R/U gyro wire line truck.
10:15	**12:15**	2.00	RIH with scientific wire gyro to 4500' top of DC'S. Gyro up and R/D gyro wire truck.
12:15	**12:30**	0.25	P/U kelly and wash 32' to bottom.
12:30	**13:30**	1.00	Circulate bottom's up and monitor losses-15/18 bph.
13:30	**13:45**	0.25	Set kelly back and performed a H2S drill.
13:45	**16:15**	2.50	POOH 47 stds. Of DP and 6 1/4" DC'S. SLM 5271.65.
16:15	**17:00**	0.75	Held PJSM with L/D crew and R/U L/D machine.
17:00	**18:30**	1.50	L/D 3x8" DC'S and pathfinders tools. Bit was DBR.
18:30	**19:45**	1.25	Held PJSM with casing crew and R/U casers.
19:45	**2:15**	6.50	M/U 8 5/8" shoe track and float collar and RIH with 37 jts. Of 8 5/8" 32# NT-55HE LT&C csg. Followed by
2:15	**2:15**	0.00	91 jts. Of 8 5/8" 32# J-55 LT&C csg. To 5269'. R/D Bull Rogers casers and L/D macine.
2:15	**4:00**	1.75	Install circulating swedge and wash last jt. Of casing down and land casing @ 5269'. Circ. casing.
4:00	**4:00**	0.00	Pump 50 bbl. LCM pill @ 20# pb.
4:00	**6:00**	2.00	Held PJSM with cementers and R/U cementers and test lines to 3000 psi. ok. Pump 20 bbl. Water spacer
			followed by 1540 sks. Of class c lead cement @ 12.8 ppg. Yield of 1.94 and 10.4 watergal/sx.
			Jack Johnson with the BLM is on location for the cement job.
			Contracted the BLM office in Carlsbad,NM and talked with Ed Hernandez, Chris Walls and Wesley Ingrum
			@ 08:30 AM on 12-18-12 and they gave the ok to set 8 5/8" casing @ 5270'.
			Diesel used 1032 gals. Fuel on hand 5822 gals.

12/20/2012

6:00	**9:30**	3.50	Pumped 50 bbl. LCM pill @ 20# PB ahead followed by 20 bbl. Water spacer followed by 1540 sks. Of
9:30	**9:30**	0.00	class c lead cement @ 12.8 ppg, yield of of 1.99 and 10.43 watergal/sk followed by 650 sks of class c
9:30	**9:30**	0.00	tail cement @ 14.8 ppg, yield of 1.33 and 6.36 watergal/sk. Dropped non rotating PDC drillable plug
9:30	**9:30**	0.00	and displace with 319 bbls. Of 9 ppg brine, land plug 1290 psi. and bumped plug to 1709 psi. Held
9:30	**9:30**	0.00	pressure for 5 mins. Released pressure and checked floats, floats held. Got back 2 bbls. Of brine. R/D

9:30	9:30	0.00	cementers. Had good returns through the job. Circulated 507 sks. (159) bbls. Of cement to surface.
9:30	9:30	0.00	Plug down @ 09:05 am on 12-19-2012.
9:30	13:00	3.50	Lift stack and set 8 5/8" csg. Slips w/165K. WOC. Clean out mud tanks.
13:00	17:30	4.50	Lift stack and cut off 8 5/8" csg. L/D cut off. Move 13 5/8" stack out of the way. Weatherford tech dressed off
17:30	17:30	0.00	csg. And N/U B section and tested to 2000 psi. ok.
17:30	1:00	7.50	N/U 11' x 5000# BOP, flow line and choke manifold. Re-fab flow line. Had to weld flange back to flow line.
1:00	6:00	5.00	Held PJSM with tester and R/U tester and test bop, choke manifold, stand upper and lower kelly cock
6:00	6:00	0.00	valves, stand pipe valves and mud line back to pumps 250 psi low and 5000 psi hi.
			Assurance Safety will be on location this morning with H2S trailer.
			Morco Geological Services will be on location this morning rigging up mud loggers trailer.
			Jack Johnson with the BLM is on Location for BOP testing.
			Diesel used 697 gals. Fuel on hand 5125 gals.

12/21/2012

6:00	8:30	2.50	Test floor valves and upper and lower kelly cock valves and was testing kelly and the union on the goose·
8:30	8:30	0.00	neck blew off @ 3800 psi. R/D tester
8:30	15:00	6.50	Lay out kelly and remove goose neck. The threads on the nipple was washed out . Removed kelly hose
15:00	15:00	0.00	from stand pipe. W/O another goose neck and kelly hose. New kelly hose arrived and used goose neck.
15:00	15:00	0.00	Install new unions on new kelly hose. Install goose neck on swivel and new union. Install new kelly hose
15:00	15:00	0.00	on stand pipe and swivel.
15:00	17:00	2.00	Test kelly and stand pipe swivel packing leaking.
17:00	17:30	0.50	Rig repair change out swivel packing.
17:30	17:45	0.25	Retest kelly, stand pipe to 250 psi low to 5000 psi. hi. Ok. R/D tester.
17:45	1:00	7.25	P/U and M/U 7 7/8" power v BHA and TIH and test MWD. To much noise could not get tool to sync.
1:00	2:45	1.75	TIH to 2040'.
2:45	4:30	1.75	Test MWD. The nosie is clearing up and got a survey. Schlumberger wants to TIH another 1000' and
4:30	4:30	0.00	retest MWD.
4:30	5:00	0.50	TIH to 3087'
5:00	6:00	1.00	Kelly up and test MWD again.
			Schlumberger is getting better information on there surveys the deeper we go. Will continue to TIH and
			Drlg. Out float, cmt, shoe and drlg formation to get MWD away from the csg. Run another survey.
			Diesel used 697 gals. Fuel on hand 4428 gals.

12/22/2012

6:00	**7:00**	1.00	TIH to 5141'
7:00	**7:15**	0.25	Kelly up and break circulation.
7:15	**10:00**	2.75	Wash f/5141' to 5226', tagged plug. Drlg. Out plug, float collar, cement and the shoe f/5226' to 5270'.
10:00	**14:30**	4.50	Drlg. 7 7/8" vertical section f/5270' to 5378'. WOB 15, Rotary 41, MMRPM 66 total rpm 107, ssp 1540
14:30	**14:30**	0.00	ROP 24 FPH. Survey @ 5297' dev. 0.14 deg. First survey with MWD out of casing. (1/4 hr.).
14:30	**17:00**	2.50	Drlg. 7 7/8" vertical section f/5378' to 5473'. WOB 15, Rotary 41, MMRPM 66 total rpm 107, ssp 1540
17:00	**17:15**	0.25	Survey @ 5392' dev. 0.08 deg.
17:15	**19:15**	2.00	Drlg. 7 7/8" vertical section f/5473' to 5568'. WOB 15, Rotary 45, MMRPM 66 total rpm 111, spp 1540
19:15	**19:15**	0.00	ROP 38 FPH. Survey @ 5487' dev. 0.10 deg. (1/4 hr.).
19:15	**22:00**	2.75	Drlg. 7 7/8" vertical section f/5568' to 5663'. WOB 15, Rotary 50, MMRPM 66 total rpm 116, spp 1640
22:00	**22:00**	0.00	ROP 38 FPH. Survey @ 5582' dev. 0.11 deg. (1/4 hr.).
22:00	**0:45**	2.75	Drlg. 7 7/8" vertical section f/5663' to 5758'. WOB 15, Rotary 50, MMRPM 66, total rpm 116, spp 1645
0:45	**0:45**	0.00	ROP 38 FPH. Survey @ 5677' dev. 0.12 deg. (1/4 hr).
0:45	**3:00**	2.25	Drlg. 7 7/8" vertical section f/5758' to 5853'. WOB 15, Rotary 50, MMRPM 66 total rpm 116, spp 1650
3:00	**3:00**	0.00	ROP 47.5 FPH. Survey @ 5772' dev. 0.10 deg. (1/4 hr.).
3:00	**5:45**	2.75	Drlg. 7 7/8" vertical section f/5853' to 5948'. WOB 15, Rotary 50, MMRPM 66 total rpm 116, spp 1650
5:45	**5:45**	0.00	ROP 38' FPH. Survey @ 5867' dev. 0.12 deg. (1/4 hr.).
5:45	**6:00**	0.25	Drlg. 7 7/8" vertical section f/5948' to 5955'. WOB 15, Rotary 50, MMRPM 66, total rpm 116, spp 1650
6:00	**6:00**	0.00	ROP 28 FPH.
			Rental DP will be $668.00 per day when we pick it up.
			Diesel used 957 gals. Fuel on hand 3471 gals.

12/23/2012

6:00	**8:15**	2.25	R/D f/5955' to 6043'. Wob 15, rpm 50, mmrpm 66, spp 1650, rop 44 pfh. s/y @ 5962' dev.0.10. (1/4 hr.).
8:15	**9:00**	0.75	R/D f/6043' to 6075'. Wob 15, rpm 50, mmrpm 66, spp 1650, rop 42.6 fph.
9:00	**9:15**	0.25	Rig repair, replaced wheel on auto driller that runs on the drum.
9:15	**10:45**	1.50	R/D f/6075' to 6138'. Wob 15, rpm 50, mmrpm 66, spp 1650, rop 50.4 fph. s/y @ 6057' dev. 0.12 (1/4 hr.).
10:45	**12:45**	2.00	R/D f/6138' to 6233'. Wob 15, rpm 50, mmrpm 66, spp 1650, rop 54.2 fph. s/y @ 6152' dev. 0.11 (1/4 hr.).
12:45	**14:15**	1.50	R/D f/6233' to 6328'. Wob 15, rpm 50, mmrpm 66, spp 1650, rop 76 fph. s/y @ 6247' dev. 0.10 (1/4 hr.).
14:15	**16:00**	1.75	R/D f/6328' to 6423'. Wob 15, rpm 50, mmrpm 66, spp 1675, rop 63.3 fph. s/y @ 6342' dev. 0.10 (1/4 hr.).
16:00	**18:00**	2.00	R/D f/6423' to 6517'. Wob 25/25, rpm 50, mmrpm 66, spp 1675, rop 53.7 fph. s/y @ 6436' dev. 0.12 (1/4).
18:00	**19:15**	1.25	R/D f/6517' to 6612'. Wob 25, rpm 50, mmrpm 66, spp 1725, rop 95 fph. s/y @ 6531' dev. 0.10 (1/4 hr.).
19:15	**21:00**	1.75	R/D f/6612' to 6707'. Wob 25, rpm 50, mmrpm 66, spp 1730, rop 63.3 fph. s/y @ 6626' dev. 0.12 (1/4 hr.).
21:00	**22:30**	1.50	R/D f/6707' to 6802'. Wob 25, rpm 50, mmrpm 66, spp 1760, rop 76 fph. s/y @ 6721' dev. 0.12 (1/4 hr.).
22:30	**0:15**	1.75	R/D f/6802' to 6897'. Wob 25, rpm 50, mmrpm 66, spp 1760, rop 63.3 fph. s/y @ 6816' dev. 0.10 (1/4 hr.).
0:15	**2:00**	1.75	R/D f/6897' to 6992'. Wob 25, rpm 50, mmrpm 66, spp 1790, rop 63.3 fph. s/y @ 6911' dev. 0.11 (1/4 hr.).
2:00	**3:15**	1.25	R/D f/6992' to 7087'. Wob 25, rpm 50, mmrpm 66, spp 1850, rop 95 fph. s/y @ 7006' dev. 0.10 (1/4 hr.).
3:15	**5:00**	1.75	R/D f/7087' to 7182'. Wob 25, rpm 50, mmrpm 66, spp 1850, rop 63.3 fph. s/y @ 7101' dev. 0.12 (1/4 hr.).
5:00	**6:00**	1.00	R/D f/7182' to 7246'. Wob 25, rpm 50, mmrpm 66, spp 1850, rop 64' fph.

12/24/2012

6:00	8:30	2.50	R/D 7 7/8" v/s f/7246' to 7373'. Wob 25/27, rpm 50, mmrpm 66, spp 1850, d/p 200/350, rop 50.8 fph.
8:30	8:45	0.25	Survey @ 7292' dev. 0.12 deg.
8:45	10:15	1.50	R/D 7 7/8" v/s f/7373' to 7469'. Wob 25/27, rpm 50, mmrpm 66, spp 1850, d/p 200/350, rop 76.8 fph.
10:15	10:15	0.00	Survey @ 7388' dev. 0.10 deg. (1/4 hr.).
10:15	12:00	1.75	R/D v/s f/7469' to 7563'. Wob 27, rpm 50, mmrpm 66, spp 1850, d/p psi 200/350, rop 53.7 fph.
12:00	12:45	0.75	Install rotating head. Survey @ 7484' dev. 0.12 deg. (1/4 hr.).
12:45	14:45	2.00	R/D v/s f/7563' to 7660'. Wob 27, rpm 50, mmrpm 66, spp 1850, rop 54.4 fph. s/v @ 7579' 0.08 deg. (1/4 hr)
14:45	16:30	1.75	R/D v/s f/7660' to 7756'. Wob 27, rpm 50, mmrpm 66, spp 1875, rop 64 fph. s/v @ 7675' 0.12 deg. (1/4 hr).
16:30	18:15	1.75	R/D v/s f/7756' to 7852'. Wob 25, rpm 50, mmrpm 66,spp 1875, rop 64 fph. s/v @ 7771' 0.08 deg. (1/4 hr.).
18:15	20:45	2.50	R/D v/s f/7852' to 7947'. Wob 25, rpm 50, mmrpm 66, spp 1875, rop 42.2 fph. s/v @ 7866' 0.18 deg. (1/4 hr.)
20:45	22:30	1.75	R/D v/s f/7947' to 8043'. Wob 25, rpm 50, mmrpm 66, spp 1875, rop 64 fph. s/v @ 7962' 0.12 deg. (1/4 hr.).
22:30	0:15	1.75	R/D v/s f/8043' to 8138'. Wob 25, rpm 50, mmrpm 66, spp 1925, rop 63.3 fph. s/v @ 8057' 0.11 deg. (1/4 hr.)
0:15	2:15	2.00	R/D v/s f/8138' to 8234'. Wob 25, rpm 50, mmrpm 66, spp 1925, rop 54.8 fph. s/v @ 8153' 0.10 deg. (1/4 hr.)
2:15	4:00	1.75	R/D v/s f/8234' to 8329'. Wob 25, rpm 50, mmrpm 66, spp 1925, rop 63.3 fph. s/v @ 8248' 0.10 deg. (1/4 hr.)
4:00	5:00	1.00	R/D v/s f/8329' to 8371'. Wob 25, rpm 50, mmrpm 66, spp 1925, rop 42 fph. s/v @ 8290' 0.11 deg. (1/4 hr.).
5:00	6:00	1.00	Pump hi vis sweeps and circulate hole clean.
			TD KOP @ 04:45 am on 12/24/2012. (8371')
			Diff. pressure 200/350
			Diesel used 1253 gals. Fuel on hand 8224 gals.

12/25/2012

6:00	7:00	1.00	Circulate hole clean. R/U L/D machine.
7:00	7:15	0.25	Set kelly back
7:15	10:15	3.00	POOH and L/D 182 jts. Of mcvay's 4 1/2" DP.
10:15	10:45	0.50	R/D L/D machine.
10:45	11:45	1.00	POOH and stand back 20 std's of mcvay's 4 1/2" DP & 6" DC'S.
11:45	14:00	2.25	R/U L/D machine and L/D power v assy.
14:00	23:00	9.00	M/U bit #5 and curve assy. & TIH. P/U 30 jts. Of 4 1/2" 16.60 S135 rental DP f/racks and TIH. TIH with
23:00	23:00	0.00	18 x 6 1/4" DC'S and P/U 150 jts. Of 4 1/2" 16.60 S135 rental DP f/racks.
23:00	0:30	1.50	R/D L/D machine.
0:30	2:30	2.00	Test MWD and take a check shot, circulate bottom's up.
2:30	3:30	1.00	POOH to 5200'.
3:30	5:00	1.50	Slip and cut 90' of drlg. Line.
5:00	6:00	1.00	Held BOP drill and shut well in.

			Diesel used 650 gals. Fuel on hand 7574 gals.

12/26/2012

6:00	**6:00**	24.00	Well shut in and secured for Christmas. Will resume operations @ 07:00 am this morning.
			MiSwaco will be on location @ 06:00 am to r/u there lines and fire up centrifuges. Mudlogger will be also.
			Everything here is ok, no problems this morning.
			Diesel used 300 gals. Fuel on hand 7274 gals.

12/27/2012

6:00	**8:00**	2.00	Start floor motors and thaw out water lines. Bleed off well through separator and open annular. No pressure.
8:00	**9:15**	1.25	TIH to 8291'.
9:15	**11:15**	2.00	Kelly up and fill pipe. Relog f/8291' to 8371'.
11:15	**13:45**	2.50	Orient tool face to azm of 179 and start building curve section f/8371' to 8414' with slides.
13:45	**14:00**	0.25	Survey @ 8367' inc. 0.30, azm 179.27, DLS 1.47
14:00	**16:00**	2.00	BCS f/8414'/8449'. (1.75) s/v (1/4) @ 8398' inc. 4.27,az 175.34, dls 12.82. wob,15/35, mmrpm 126, gpm 384.
16:00	**19:00**	3.00	BCS f/8449'/8481'. (2.25) s/v (3/4) @ 8430' inc. 9.80,az 176.76, dls 17.30. wob,15/35, mmrpm 126, gpm 384.
19:00	**21:45**	2.75	BCS f/8481'/8512'. (2.50) s/v (.25) @ 8461' inc. 14.39, az 178.59, dls 14.84. wob 18/40, mmrpm 126, gpm 384
21:45	**0:30**	2.75	BCS f/8512'/8544'. (2.50) s/v (.25) @ 8493' inc. 17.52, az 180.87, dls 9.97. wob 18/40, mmrpm 126, gpm 384.
0:30	**2:45**	2.25	BCS f/8544'/8576'. (2.00) s/v (.25) @ 8525' inc. 20.16,az 179.87, dls 8.34. wob 18/40, mmrpm 126, gpm 383.

2:45	**5:00**	2.25	BCS f/8576'/8608'. (2.00) s/v (.25) @ 8556' inc. 23.77, az 178.15, dls 11.83, wob 18/40, mmrpm 126,
5:00	**5:00**	0.00	gpm 384.
5:00	**6:00**	1.00	BCS /f8608'/8624'. Wob 18/40, mmrpm 126, spp 1450, rotary 30, gpm 384.
			Motor is 2.25*, .33 rpg, 7/8 lobe, 4.8 stg. Surveys are 51' behind the bit.
			Rotary 30 rpm, Diff. psi. 100/250. Slides 23' and Rotating 8' per kelly. At this point we need 8.59 dls. To land.
			we are 7' above the line and 8' to the left of the line. Motor yield is 12/14.
			Diesel used 1418 gals. Fuel on hand 5856 gals.

12/28/2012

6:00	**7:30**	1.50	m/d c/s f/8624'/8639'. Wob 15/40, rt 30, mm126, gpm 383. (1.25). s/v - 8588', inc. 28.58, az 177.77, dls15.04
7:30	**9:45**	2.25	m/d c/s f/8639'/8671'. Wob 15/40, rt 30, mm126, gpm 383. (2.00). s/v - 8620', inc. 32.92, az 178.36, dls13.60
9:45	**11:30**	1.75	m/d c/s f/8671'/8702'. Wob 15/40, rt 30, mm126, gpm 383. (1.50). s/v- 8651', inc. 35.85, az 179.15, dls 9.56
11:30	**13:15**	1.75	m/d c/s f/8702'/8734'. Wob 15/40, rt 30, mm126,gpm 383. (1.50). s/v-8633', inc. 38.88, az 180.61, dls 10.16
13:15	**15:30**	2.25	m/d c/s f/8734'/8766'. Wob 15/40, rt 30, mm126, gpm 383. (2.00). s/v-8715', inc. 42.66, az 181.05, dls 11.84
15:30	**18:00**	2.50	m/d c/s f/8766'/8797'. Wob 15/40, rt 30, mm126, gpm 383. (2.25). s/v-8747', inc. 45.39, az 181.70, dls 8.93
18:00	**20:45**	2.75	m/d c/s f/8797'/8829'. Wob 15/40, rt 30, mm126, gpm 383. (2.50). s/v-8778', inc. 46.80, az 181.22, dls 4.54
20:45	**0:15**	3.50	m/d c/s f/8829'/8860'. Wob 15/40, rt 30, mm126, gpm 383. (3.25). s/v-8809', inc. 49.17, az 180.27, dls 7.98
0:15	**1:45**	1.50	Had a 300 psi. loss. Went through both pumps and checked surface lines ok.
1:45	**2:00**	0.25	Set kelly back and L/D one jt. Of DP.
2:00	**6:00**	4.00	POOH wet and look for wash out.
			Diff. pressure 100/250, ROP 14.5 FPH.
			We are 18' ahead of the plan, 3' to the right of plan with two slides in to the left should bring us back to the
			line. Will rotate more and less slides to drop it down to plan. Need 7's to land. Been sliding 13' & Rot. 18'
			Per kelly.
			Diesel used 1428 gals. Fuel on hand 4428 gals.

12/29/2012

6:00	**7:00**	1.00	Finish POOH, did not find wash out in DP or the DC'S.
7:00	**9:00**	2.00	Changed out the motor and MWD. Scribe motor to mwd. Re-run 7 7/8" insert bit. Bit looked good.
9:00	**13:30**	4.50	TIH with BHA #5 to 5280'. Fill pipe and test mwd.

13:30	**14:15**	0.75	Install rotating head. Kelly up and wash one jt. To bottom.
14:15	**16:15**	2.00	m/d c/s f/8860'/8892'. Wob 15/40, rt 30, mm 126, gpm 383, spp 1180. s/v-8844', inc.51.15,az178.36,dls 7.03
16:15	**23:15**	7.00	m/d c/s f/8892'/8924'.wob 15/40, rt 30, mm126, gpm 383, spp 1180. ROP 4.7 fph.
23:15	**23:30**	0.25	Survey @ 8876', inc. 51.15, az 178.52, dls 0.37.
23:30	**3:30**	4.00	m/d c/s f/8924'/8955'. Wob 15/40, rt 30, mm 126, gpm 383, spp 1200, ROP 7.75 fph.
3:30	**3:45**	0.25	Survey @ 8876', inc. 51.15, az 178.52, dls 0.37.
3:45	**6:00**	2.25	m/d c/s f/8955'/8987'. Wob 15/40, rt 30, mm 126, gpm 383, spp 1200, ROP 14.2 fph.
			Diff. Pressure 100/150
			We are 17' ahead of the plan, 2' right of the line, need 9.7 DL to land.
			Slides 13', 13', 20', Rot. 18', 18', 11' per jt.
			Diesel uses 1224 gals. Diesel on hand 3204 gals.

12/30/2012

6:00	**6:15**	0.25	Survey @ 8939', inc. 54.20, az 178.92, dls 6.50.
6:15	**8:45**	2.50	m/d c/s f/8987'/ 9019'.wob 15/40, rt30,mm126, gpm395,spp1295, (2.0).s/v-8971' inc.56.05,az177.72 dls6.56
8:45	**11:00**	2.25	m/d c/s f/9019'/9050'. wob 15/40, rt30,mm126,gpm395,spp1295,(2.0).s/v-9002',inc.57.62,az177.38, dls5.13
11:00	**12:45**	1.75	m/d c/s f/9050'/9082'. Wob 15/40,rt30,mm126,gpm395,spp1295,(1.5).s/v-9034',inc. 60.45,az178.33, dls9.22
12:45	**15:30**	2.75	m/d c/sf/9082'/9114'. Wob 15/40, rt30,mm126gpm395,spp1295,(2.5).s/v-9066', inc.64.34,az180.17, dls13.19
15:30	**17:15**	1.75	m/d c/s f9114'/9145'. Wob 15/40,rt30,mm126,gpm395,spp1295,(1.5).s/v-9097', inc.67.39,az180.47, dls9.87
17:15	**18:45**	1.50	m/d c/s f/9145'/9177'. Wob 15/40,rt30,mm126,gpm395,spp1295,(1.25).s//v-9129', inc.68.65,az182.29, dls6.57
18:45	**22:00**	3.25	m/d c/s f/9177'/9209'. Wob 15/40,rt30,mm126,gpm395,spp1295,(3.0).s/v-9161', inc.72.12,az182.78, dls10.92
22:00	**0:30**	2.50	m/d c/s f/9209'/9240'.Wob 15/40,rt30,mm126,gpm395,spp1295,(2.25).s/v-9192', inc.76.57,az181.62,dls14.83
0:30	**3:15**	2.75	m/d c/s f/9240'/9272'. Wob 15/40,rt30,mm126,gpm395,spp1295,(2.50).s/v-9224', inc.81.37, az182.24,dls15.12
3:15	**6:00**	2.75	m/d c/s f/9272'/9304'. Wob 15/40,rt30,mm126,gpm395,spp1295,(2.75).s/v-9272', inc.88.50,az180.00,dls15.56
6:00	**6:00**	0.00	Survey @ 9256', inc. 87.11, az 182.52, dls 17.96.
			Projected to the bit, inc. 92.5, az 181.00, dls 12.0. 1.5' below target and 8' to the right of target.
			Sliding full jts. To 9272'. 17' slide, rotated 14' on the last jt.
			ROP 14.9 FPH.
			Diff. pressure 100/150
			Diesel uses 932 gals. Diesel on hand 9215 gals.

12/31/2012

6:00	**7:00**	1.00	m/d c/s f/9304'/9319'. Wob 15/40, rt30, mm126, gpm397, spp1295.(.75) s/v-9256',inc.87.11, az182.52, dls17.95
7:00	**9:00**	2.00	Pump hi vis sweeps and circulate out sweeps. Hole cleaned up good.
9:00	**10:15**	1.25	Set kelly back. R/U L/D machine. POOH and L/D 30 jts. Of Mcvay's DP. R/D L/D tray from rig floor.
10:15	**14:00**	3.75	Continue to POOH to 6 1/4" DC'S.
14:00	**16:30**	2.50	R/U L/D tray on Rig floor and L/D 18 6 1/4" DC'S and P/U 20 jts. Of rental DP. R/D L/D machine.
16:30	**17:45**	1.25	Continue to POOH to the curve BHA.
17:45	**18:45**	1.00	L/D MWD, monel's and motor. The bit was in good shape.
18:45	**19:00**	0.25	M/U Reaming BHA
19:00	**0:15**	5.25	TIH with reaming BHA to 8371'.
0:15	**6:00**	5.75	Wash and ream curve section f/8348' to 8713'. Made 365', 11 jts, 31 mins. Per jt. Average-ream each jt
6:00	**6:00**	0.00	twice.
			Bit was in gauge, cones were still tight, buttons were in good shape.
			Reaming each jt twice. Have not incounterd much torque at all. No drag picking up to make connections.
			Diesel uses 990 gals. Diesel on hand 8225 gals.

01/01/2013

6:00	**13:30**	7.50	Wash and ream 7 7/8" curve section f/8713' to 9319'. Made 606', 19 jts. Average 20 mins. Per jt. Reamed
13:30	**13:30**	0.00	each jt. Twice. Did not encountered a lot of torque or drag. Gas shows BG 20/40, CG 30.
13:30	**16:30**	3.00	Pump two hi vis sweeps and circulated hole clean for lateral BHA.
16:30	**20:45**	4.25	Set kelly back, L/D two jts. Of DP and POOH to the curve BHA.
20:45	**21:15**	0.50	Break out and L/D two reamers, bit sub and 7 7/8" insert bit. Reamers had some wear on the blades.
21:15	**23:30**	2.25	P/U and M/U power v lateral BHA and test tools.
23:30	**2:15**	2.75	TIH to 6246' with 7 7/8" power v lateral assy.
2:15	**4:15**	2.00	Test mwd and was getting a lot of noise again. Changed out sensor on the floor. Ok.
4:15	**6:00**	1.75	Continue to TIH with 7 7/8" power v lateral BHA to 8930'. Getting tight. Will wash f/8930' to 9169'. Will re-log
6:00	**6:00**	0.00	from 9169' to 9319'. Schlumberger wants to check new tool with the old tool.
			Gas Shows as of 05:00 am BG 4 units, CG 8 units.
			No drag on trip out of hole with reaming assy. It was smooth. Reamers had some wear on the blades.
			Motor-7/8 lobe-2.9 stg- 0.17 rev/gal - 0* bend.
			Happy New Year To Everyone and There Families.

			Diesel used 1236 gals. Diesel on hand 6989 gals.

01/02/2013

6:00	**7:00**	1.00	Curve got tight @ 8930'. L/D 12 jts. Of DP out of the derrick.
7:00	**10:45**	3.75	Wash & ream lateral BHA f/8930' to 9169'. Re-log f/9169'/9319'. New tool match old tool log.
10:45	**11:30**	0.75	Down link power drive.
11:30	**12:30**	1.00	p/d lat/s f/9319'/9331'. Wob 10/20, rt 30/50, mm 72, gpm 424, (.75). s/v-9297', inc.91.86, az 181.25, dls 11.98
12:30	**13:45**	1.25	p/d lat/s f/9331/9363'. Wob 10/20, rt 30/50, mm 72, gpm 424, (1.0). s/v-9329', inc.91.13, az 181.10, dls 2.30
13:45	**15:45**	2.00	p/d lat/s f9363'/9458'. Wob 10/20, rt 30/50, mm 72, gpm 424, (1.75). s/v-9424', inc. 89.55, az 181.31 dls 1.68
15:45	**17:45**	2.00	p/d lat/s f/9458'/9552'. Wob 10/20, rt 30/50, mm 72, gpm 424, (1.25). s/v-9518', inc. 89.76, az 180.97, dls 0.43
17:45	**19:30**	1.75	p/d lat/s f/9552'/9647'. Wob 10/20, rt 30/50, mm 72, gpm 424, (1.25). s/v-9613', inc. 90.58, az180.70, dls 1.20
19:30	**21:30**	2.00	p/d lat/s f9647'/9742'. Wob 10/20, rt 30/50, mm 72, gpm 424, (1.50). s/v-9708', inc. 91.27, az 179.80, dls 0.82
21:30	**23:30**	2.00	p/d lat/s f/9742'/9837'. Wob 10/25, rt 30/50, mm 72, gpm 424, (1.75). s/v-9803', inc. 91.20, az 179.71, dls0.12
23:30	**1:15**	1.75	p/d lat/s f/9837'/9932'. Wob 10/25, rt 30/50, mm 72, gpm 424, (1.50). s/v-9898', inc. 91.24, az 179.43, dls 0.30
1:15	**3:15**	2.00	p/d lat/s f/9932'/10,007'. Wob 10/25, rt 30/50, mm 72, gpm 424,(1.75). s/v-9993', inc. 91.27, az 179.35, dls0.09
3:15	**5:00**	1.75	p/d lat/s f/10,007'/10,121'.Wob 25, rt 50, mm 72, gpm 424, (1.50). s/v-10,087', inc.91.17, az 178.85, dls 0.01
5:00	**6:00**	1.00	p/d lat/s f/10,121'/10,185'. Wob 25, rt 50, mm 72, gpm 424, (1.00).
			Power Drive $37.50 per ft. $32,475.00
			Diff. Pressure 200/350, SPP 2130, ROP 57.7 FPH, STKS. 95
			Diesel used 1376 gals. Diesel on hand 5613 gals.

01/03/2013

6:00	**6:45**	0.75	p/d lat/s f/10,185'/10,216'. Wob 25, rt 50, mm 72, gpm 428.(.50). s/v-10,182', inc. 91.20, az 178.12, dls 0.77
6:45	**9:00**	2.25	p/d lat/s f/10216'/10,312'. Wob 25, rt 50, mm 72, gpm 428.(1.75). s/v-10278', inc. 91.10, az 177.60, dls 0.55
9:00	**10:30**	1.50	p/d lat/s f/10,312'/10,407'. Wob 25, rt 50, mm 72, gpm 428, (1.25).s/v-10,373', inc. 91.07, az 177.48, dls 0.13
10:30	**11:45**	1.25	p/d lat/s f/10,407'/10,502'. Wob 25, ft 50, mm 72, gpm 428, (1.25).
11:45	**12:45**	1.00	Replaced rotating head rubber and gasket. s/v-10,468', inc. 90.79, az 176.97, dls 0.61
12:45	**14:30**	1.75	p/d lat/sf/10,502'/10,597'. Wob 25, rt 50, mm 72, gpm 428, (1.50). s/v-10,563', inc. 90.58, az 177.36, dls 0.47
14:30	**16:00**	1.50	p/d lat/s f/10,597'/10,692'. Wob 25, rt 50, mm 72, gpm 428, (1.25). s/v-10,658', inc. 90.62, az 177.31, dls 0.06
16:00	**17:45**	1.75	p/d lat/s f/10,692'/10,787'. Wob 25, rt 50, mm 72, gpm 428, (1.50). s/v-10,753', inc. 90.79, az 176.23, dls 1.16
17:45	**20:00**	2.25	p/d lat/s f/10,787'/10,882'. Wob 25, rt 50, mm 72, gpm 428, (2.0). s/v-10848', inc. 90.58, az 176.93, dls 0.75
20:00	**21:30**	1.50	p/d lat/s f/10,882'/10,976'. Wob 25, rt 50, mm 72, gpm 428, (1.0). s/v-10,943', inc. 90.58, az 177.71, dls 0.90
21:30	**23:00**	1.50	p/d lat/s f/10,976'/11,071'. Wob 25, rt 50, mm 72, gpm 428, (1.25). s/v-11,037', inc. 90.86, az 177. 86 dls 0.33

23:00	**0:45**	1.75	p/d lat/s f/11,071'/11,166'. Wob 25, rt 50, mm 72, gpm 428, (1.50). s/v-11,132', inc. 90.69, az 178.71, dls 0.92
0:45	**2:45**	2.00	p/d lat/s f/11,166'/11,262'. Wob 25, rt 50, mm 72, gpm 428, (1.50). s/v-11,228', inc. 90.69, az 179.30, dls 0.61
2:45	**4:45**	2.00	p/d lat/s f/11,262'/11,357'. Wob 25, rt 50, mm 72, gpm 428, (1.75). s/v-11,323', inc. 90.58, az 179.31, dls 0.11
4:45	**6:00**	1.25	p/d lat/s f/11,357'/11,420'. Wob 25, rt 50, mm 72, gpm 428.
			Total lateral section equals 2049' x $37.50 = $76,837.50
			Diff. Pressure 200/350, STKS 95, ROP 64.1 FPH.
			Diesel used 1735 gals. Diesel on hand 3878 gals.

01/04/2013

6:00	**8:15**	2.25	p/d lat/s f/11,420'/11,546'. Wob 25, rt 50, mm 72, gpm 426, (2.00) s/v-11,512', inc. 90.55, az 179.42, dls 0.28
8:15	**10:00**	1.75	p/d lat/s f/11,546'/11,641'. Wob 25, rt 50, mm 72, gpm 426, (1.50) s/v-11,607', inc. 90.69, az 179.48, dls 0.16
10:00	**11:45**	1.75	P/d lat/s f/11,641'/11,736'. Wob 25, rt 50, mm 72, gpm 426, (1.50) s/v-11,702, inc. 90.31, az 179.72, dls 0.47
11:45	**13:45**	2.00	p/d lat/s f/11,736'/11,831'. Wob 28, rt 50, mm 72, gpm 426, (1.75) s/v-11,797', inc. 90.83, az 179.39, dls 0.64
13:45	**15:30**	1.75	p/d lat/s f/11,831'/11,926'. Wob 28, rt 50, mm 72, gpm 426, (1.50) s/v-11,892', inc.90.41, az 179.29, dls 0.45
15:30	**17:30**	2.00	p/d lat/s f/11,926'/12,021'. Wob 28, rt 50, mm 72, gpm 426, (1.75) s/v-11,987', inc. 90.24, az 178.99, dls 0.36
17:30	**19:15**	1.75	p/d lat/s f/12,021'/12,116'. Wob 28, rt 50, mm 72, gpm 426, (1.50) s//v-12,082', inc. 90.0, az 178.91, dls 0.27
19:15	**21:15**	2.00	p/d lat/s f/12,116'/12,221'. Wob 28, rt 50, mm 72, gpm 426, (1.75) s//v-12,177', inc. 90.0, az 178.39, dls 0.55
21:15	**23:30**	2.25	p/d lat/s f/12,221'/12,306'. Wob 30, rt 55, mm 72, gpm 428, (2.00). s/v-12,272', inc. 90.27, az 178.20, dls 0.35
23:30	**1:30**	2.00	p/d lat/s f/12,306'/12,400'. Wob 30, rt 55, mm 72, gpm 428, (1.75). s/v-12,366', inc. 90.28, az 177.98, dls 0.24
1:30	**3:45**	2.25	p/d lat/s f/12,400'/12,495'. Wob 30, rt 55, mm 72, gpm 428, (2.00). s/v-12,461', inc. 90.14, az 178.12, dls 0.21
3:45	**5:30**	1.75	p/d lat/s f/12,495'/12,590'. Wob 30, rt 55, mm 72, gpm 426, (1.50). s/v-12,556', inc. 90.14, az 177.57, dls 0.57
5:30	**6:00**	0.50	p/d lat/s f/12,590'/12,610'. Wob 30, rt 55, mm 72, gpm 426, (.50).
			Diff. Pressure 200/350, ROP 61.0' FPH, STKS. 95, SPP 2225.
			Diesel used 1637 gals. Diesel on hand 2241 gals.

01/05/2013

6:00	**7:30**	1.50	p/d lat/s f/12,610'/12,685'. Wob 30, rt 70, mm 72, gpm 426 (1.25). s/v-12,651', inc. 90.31, az 177.59, dls 0.18
7:30	**9:00**	1.50	p/d lat/s f/12,685'/12,754'. Wob 30, rt 70, mm 72, gpm 426. down link tool
9:00	**9:45**	0.75	p/d lat/s f/12,754'/12,781'. Wob 30, rt 70, mm 72, gpm 426. (.50). s/v-12,747', inc. 90.24, az 177.77, dls 0.31
9:45	**11:15**	1.50	p/d lat/s f/12,781'/12,876'. Wob 30, rt 70, mm 72, gpm 426. (1.25). s/v-12,842', inc. 90.58, az 178.36, dls 0.72
11:15	**13:15**	2.00	p/d lat/s f/12,876'/12,971'. Wob 30, rt 70, mm 72, gpm 426. (1.75). s/v-12,937', inc. 90.45, az 179.77, dls 1.47

13:15	**15:00**	1.75	p/d lat/s f/12,971'/13,067'. Wob 30, rt 70, mm 72, gpm 426. (1.50). s/v-13,033', inc. 90.65, az 179.89, dls 0.25
15:00	**16:30**	1.50	p/d lat/s f/13,067'/13,162'. Wob 30, rt 70, mm 72, gpm 426, (1.25). s/v-13,128', inc. 90.52, az 179.52, dls 0.41
16:30	**18:00**	1.50	p/d lat/s f/13,162'/13,257'. Wob 30, rt 70, mm 72, gpm 426, (1.25). s/v-13,223', inc. 90.48, az 179.31, dls 0.23
18:00	**20:00**	2.00	p/d lat/s f/13,257'/13,353'. Wob 30, rt 70, mm 72, gpm 426, (1.50). s/v-13,319', inc. 90.0. az 178.89, dls 0.66
20:00	**21:45**	1.75	p/d lat/s f/13,353'/13,449'. Wob 30, rt 70, mm 72, gpm 426, (1.50). s/v-13,415', inc. 90.41, az 178.59, dls 0.53
21:45	**23:30**	1.75	p/d lat/s f/13,449'/13,544'. Wob 30, rt 70, mm 72, gpm 426, (1.50). s/v-13,510, inc. 90.38, az 178.50, dls 0.10
23:30	**0:15**	0.75	p/d lat/s f/13,544'/13,570'. Wob 30, rt 70, mm 72, gpm 426, (.50). s/v-13,536, inc. 90.48, az 178.62, dls 0.60
0:15	**4:15**	4.00	Pump hi vis sweeps and circulate hole clean.
4:15	**6:00**	1.75	Pump slug and set kelly back. POOH to l/d directional tools.
			Projected to the bit 13,570, inc. 90.48, az 178.62, TVD 8903.16, VSEC 4925.99, dls 0.00
			Diff. Pressure 200/350, SPP 2230, ROP 63 FPH.
			TD the Pryor Federal-State com 4 H @ 11:52 PM on 1/4/2013.
			Received 7500 gals. of rig diesel.
			Diesel used 1517 gals. Diesel on hand 8224 gals.

01/06/2013

6:00	**11:15**	5.25	POOH for logging run.
11:15	**12:30**	1.25	L/D Pathfinder power drive assy.
12:30	**13:15**	0.75	M/U ThruBit logging BHA.
13:15	**15:00**	1.75	M/U 7 3/4" reamer and install rotating head.
15:00	**17:15**	2.25	TIH with ThruBit logging assy to 5268,' 8 5/8" casing shoe.
17:15	**18:30**	1.25	Slip & cut 117' of drlg. Line.
18:30	**21:45**	3.25	TIH with ThruBit logging assy to 13444'.
21:45	**22:15**	0.50	P/U 4 jts. Of DP and TIH to 13555'.
22:15	**22:30**	0.25	Kelly up and break circulation. Wash 15' to bottom.
22:30	**1:15**	2.75	Pump sweep and circulate hole clean.
1:15	**1:30**	0.25	Set kelly back, install elevators and pull one stand.
1:30	**2:45**	1.25	Held PJSM with ThruBit loggers and R/U loggers.
2:45	**6:00**	3.25	Start down DP with ThruBit logging tools to KOP start pumping down wire line and tools. Got a pressure
6:00	**6:00**	0.00	Spike of 3800 psi. ThruBit operator thinks the tools are stuck in the reamer. All DP was rabbited, all Thrubit
6:00	**6:00**	0.00	BHA and reamer was rabbited. Attempting to release wire line from tools. Can not release wire line from
6:00	**6:00**	0.00	tools. Attempting to pull wire line from rope socket. ThruBit operator pulled 9K on there truck to pull out of
			the rope socket. Made several attempts. Made up ThruBit T-Bar on wire line and attempt to pull tools loose
			with blocks. Pulled loose @ 17K. Put wire line back in sheeve and POOH with wire line.
			Diesel used 768 gals. Diesel on hand 7456 gals.

01/07/2013

6:00	**13:00**	7.00	POOH

13:00	**15:00**	2.00	Break out logging tools from reamer and l/d logging tools. Catch ball on logging tool is 2 3/8".
15:00	**15:00**	0.00	Break down Thrubit Bit BHA and L/D.
15:00	**15:30**	0.50	P/U two jts. Of D/P & M/U 7 7/8" insert bit, bit sub w/float for clean out run.
15:30	**15:45**	0.25	Install rotating head.
15:45	**21:00**	5.25	TIH to 13545'.
21:00	**21:15**	0.25	Kelly up and wash 25' to bottom no fill.
21:15	**22:30**	1.25	Circulate hole.
22:30	**22:45**	0.25	R/U Fluid Caliper
22:45	**1:00**	2.25	Circulate fluid caliper around. Annular cuft @ 2677
1:00	**1:15**	0.25	R/U Bull Rogers L/D machine.
1:15	**1:30**	0.25	R/D Fluid Calpier.
1:30	**1:45**	0.25	Set kelly back and install elevators.
1:45	**2:00**	0.25	Safety meeting and adjust breaks.
2:00	**6:00**	4.00	L/D 4 1/2" DP.
			Logging tool was stuck in our reamer, 2 3/8 catch ball would not pass thru, we were able to recover a
			DSN-GR log on the entire well during POH.
			Diesel used 874 gals. Diesel on hand 6582 gals.

01/08/2013

6:00	**9:30**	3.50	L/D 4 1/2" DP.
9:30	**10:15**	0.75	Kelly up and break down kelly.
10:15	**12:15**	2.00	Continue to L/D 4 1/2" DP.
12:15	**13:15**	1.00	Pull wear bushing and held PJSM with Bull Rogers casing crew & R/U casers.
13:15	**0:00**	10.75	M/U 5 1/2" shoe track and TIH with 5 1/2" 23# L-80 LT&C casing. Filling every 30 jts. Run a total of 322 jts.
0:00	**0:00**	0.00	Land casing @ 13,567'. Casing went to bottom with no problems.
0:00	**0:45**	0.75	R/D casers and L/D machine.
0:45	**2:15**	1.50	Circulate 5 1/2" casing with full returns.
2:15	**6:00**	3.75	Held PJSM with schlumberger cementers and R/U cementers. Test lines to 4000 psi. pumped 10 bbls. Water
6:00	**6:00**	0.00	spacer, 25 bbls. Mudpushll followed by 385 sxs. Of class H blended w/42 pps Litepoz 3 extender lead
6:00	**6:00**	0.00	@ 11.8 ppg, yield of 2.61 & 14.98 watergal/sk. Followed by 990 sks of TXI Liteweight tail cement @ 13.0 ppg
6:00	**6:00**	0.00	yield of 1.42 and 7.29 watergal/sk. Shut down and wash up lines. Drop plug and displace with 286.6 bbls. Of
6:00	**6:00**	0.00	fresh water. Land plug @1700 psi and bump plug to 2200 psi. 500 psi over. Held pressure for 5 mins. And
6:00	**6:00**	0.00	Released pressure and checked floats, floats held. R/D cementers. Got back 2 bbls. Of water after
6:00	**6:00**	0.00	releasing pressure. Had full returns thru out the job. Plud down @ 05:30 am on 1/8/2013.
			Informed Jack Johnson w/BLM on 1/7/2013 @ 08:00 am on casing and cement job.
			Diesel used 552 gals. Diesel on hand 6030 gals.

01/09/2013

6:00	**9:00**	3.00	Held PJSM with Man Services N/D crew. Install stack lifts. N/D BOP, manifold, flowline.
9:00	**10:00**	1.00	Lift stack and set 5 1/2" casing slips with weatherford tech. 130K on slips. Cut off casing and L/D cut off.
10:00	**11:30**	1.50	Pull BOP out of the way and R/D stack lifts.
11:30	**13:30**	2.00	Weatherford tech. made final cut on csg. And dressed off csg. Installed tbg. Head and tested to 5000 psi ok.
13:30	**16:30**	3.00	Clean mud tanks, pre-mix and trip tanks.
16:30	**23:00**	6.50	Held PJSM with Express temp. survey crew and R/U wire truck. RIH w/temp survey tools to 1400', tools
23:00	**23:00**	0.00	wasn't working. POOH w/tools and replaced tools. RIH again w/temp survey tools and again operator was
23:00	**23:00**	0.00	getting bad readings. POOH w/tools, new tools arrived on location. Switched out tools and RIH to 6300'.
23:00	**23:00**	0.00	Tools were working good. Found cement @ 3992'.
23:00	**23:00**	0.00	POOH w/temp. survey tools and R/D Express wire truck. (what a slow operation). Finished cleaning mud
23:00	**23:00**	0.00	tanks.
23:00	**0:00**	1.00	Installed 2" valve, bull plug w/guage on tbg head and secured well. Rig released @ 00:00 hrs. on 1/8/2013.
0:00	**6:00**	6.00	R/D mud tanks, pumps, rig floor. L/D kelly, swivel.
			Temp. survey slowed cement @ 3992'.
			Trucks will arrive on Thursday morning for Rig Move. Down Hole Tool Inspection can't make it to inspect DP
			Nova will be here this morning to start inspecting Mcvay's DP.
			Will release trailers, sewer, water, phone and internet services on Thursday morning.
			Diesel used 417 gals. Diesel on hand 5613 gals.

01/10/2013

6:00	**18:00**	12.00	Mcvays rig crews R/D Floor, all air, water, electric, mud lines. Prep. Derrick and lay over derrick. Prep
18:00	**18:00**	0.00	derrick to be removed from the floor. Rig is ready for trucks to start moving water tanks, mud tanks, fuel tank
18:00	**18:00**	0.00	pre-mix tank, DC'S, kelly, swivel, subs, mud house.
18:00	**6:00**	12.00	Rig idle wait on day light to resume R/D and move rig.
			It rained all day here and rained hard last night. Youngs will move coman and directional trailers today.
			C&R services will disconnect all sewers and water systems today and pick them on Friday.
			Ditial Network will R/D all there equipment today.
			Corrosion LTD. Credit GMT $2002.25 on left over chemicals.
			Thomas fuel pumped out 2961 gal. of diesel yesterday and GMT will get a credit for 2961 gals. Of diesel.

			Should have all the last of the cost recorded on Friday. Youngs final invoices and Mico final invoices.
			Diesel used 200 gals. Diesel on hand 2652 gals.

01/11/2013

6:00	**18:00**	12.00	Rig is 100% R/D & moved off of the Pryor Federal-State Com 4 H. Mico is moving frac tanks today and
18:00	**18:00**	0.00	Hoppys is moving trailers that Mcvay had for man camp. C&R services are loading up all water, sewer equip.
18:00	**18:00**	0.00	Location is drying out and BJ Coxx has equipment that will be there Saturday to strighten up the location.
			**********Final Report for the Proyer Federal-State Com 4 H**********.
			BJ is bringing in the files for the Pryor Federal-StateCom 4 H this afternoon (field tickets, logs, well plan other)
			Todays cost has been adjusted to capture all late, underbilled, and suspected charges GMT would incurr for this well
			including a $6000 fee for probable 1/2 split of inspection of Mcvays DP and an expected $8883 <credit> for the return
			of 2961 gals @ $3.00/gal
			Thank you for the work!! Hope I get to come back!

Pryor #4H

Frac Treatment Summary

	Depths	Water Pumped Bbls.	40/70 Sand lbs	20/40 Sand lbs.	Total Sand lbs.
Stage 1	13181'-13481'	8,214	96,057	241,269	337,326
Stage 2	12791'-13091'	8,394	20,636	0	20,636
Stage 3	12402'-12702'	5,109	52,817	169,656	222,473
Stage 4	12014'-12314'	5,798	44,613	181,567	226,180
Stage 5	11621'-11921'	5,062	93,600	111,683	205,283
Stage 6	11231'-11531'	3,087	3,987	0	3,987
Stage 7	10840'-11131'	6,961	17,366	253,137	270,503
Stage 8	10451'- 10751'	5,739	50,332	50,476	100,808
Stage 9	10061'-10316'	8,483	43,250	300,025	343,275
Stage 10	9671'-9971'	5,546	52,760	251,690	304,450
Stage 11	9281'-9581'	5,110	44,295	297,669	341,964
		69,483	530,307	1,857,172	2,387,479

TVD
8945