

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Sundry Notices and Reports on Wells

1. Type of Well
GAS

RECEIVED
OCT 22 2007

Bureau of Land Management
Farmington Field Office

2. Name of Operator
Burlington Resources

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

Surf: Unit K (NESW), ^{1685'} 1735' FSL & ^{1505'} 1545' FWL, Section 29, T30N, R9W, NMPM

New BH: Unit L (NWSW), 1965' FSL & 700' FWL, Section 29, T30N, R9W, NMPM

5. Lease Number
USA SF-077833-A

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Mansfield 11N

9. API Well No.

30-045-34321

10. Field and Pool

Blanco MV/ Basin DK

11. County and State
San Juan Co., NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent ☐ Abandonment ☒ Change of Plans
☐ Subsequent Report ☐ Plugging ☐ Non-Routine Fracturing
☐ Final Abandonment ☐ Casing Repair ☐ Water Shut off
☐ Altering Casing ☐ Conversion to Injection

☒ Other - deepen surf casing

13. Describe Proposed or Completed Operations

Deepen Surf casing from 216' to 320'.

Cement will be adjusted according.

Verbal on 10/19/07 from Wayne Townsend to proceed.

RCVD OCT 26 '07
OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct.

Signed Rhonda Rogers Rhonda Rogers Title Regulatory Technician Date 10/22/2007

(This space for Federal or State Office use)

APPROVED BY Wayne Townsend Title Pct. Eng. Date 10/23/07

CONDITION OF APPROVAL, if any:

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

NMOCB

BURLINGTON RESOURCES

Mansfield 11N

T - 30 N
R - 9 W
Sec 29

Objective: MV/DK New Drill
Footages: 1685' FSL, 1505' FWL

Rig: AWS #730
GL: 6028'
KB: 6043'

BLM Phone #
505-599-8907
OCD Phone #
505-334-6178

API #
30-045-34321

APD/BLM:
6/6/2007

Network #
10159438 (DK)
10159577 (MV)

AFE #
WAN.ZA2.5348 (DK)
WAN.ZA2.5403 (MV)

Lease #
NMSF-077833-A

Like-Kind
125 \$/FT

APD TMD:
7362'

(248) Cost
\$983,314

San Juan Division - Drilling Program

In case of Major Emergency Call 911
Give the following information to Operator:

Well Name: Mansfield 11N
County: San Juan
State: NM

Latitude (NAD27): 36 degrees, 46.8152 minutes
Latitude (NAD83): 36.780260 degrees

Longitude(NAD 27): 107 degrees, 48.4064 minutes
Longitude(NAD83): 107.807390 degrees

From intersection of US Hwy 550 & State Hwy 64 in Bloomfield. Travel easterly on Hwy 64 for 9.4 miles to CR #4599, go left (northwesterly) on CR #4599 for 2.3 miles to fork in road, go left exiting CR #4599 for 1.3 miles to 4 way intersection, go left (westerly) @ four-way intersection for 0.2 miles to fork in road, go right (northwesterly) for 0.9 miles to staked location which overlaps and existing location.

| Environmental, Health & Safety | | | | |
|--|-------|-----|-----------------|----------|
| *Opportunities are usually disguised as hard work, so most people don't recognize them * Ann Landers *Nothing is particularly hard if you divide it into small jobs.* Henry Ford | | | | |
| | TRIR* | FAT | Restrict'd Duty | OSHA Rec |
| Goal | 1 | 0 | 0 | 0 |
| Actual (9/11/07) | 2.95 | 1 | 9 | 22 |
| * TRIR - Total Recordable Incident Rate per 200,000 man-hours. | | | | |
| Environmental Goals: | | | | |
| - Zero Spills on Location | | | | |
| - Remove Trash from Roads and Locations | | | | |

| TVD | TMD | Geology | Hydraulics | Drig Fluids | Cement | Materials |
|-------|-------|----------------------|--|--|--|--|
| 0' | 0' | San Jose | 12 1/4" Retip | Spud Mud | Type III cement with 3% CaCl2 and 1/4 pps celloflake 250 sks 319.2 cu.ft 15.2 ppg 1.28 cu.ft/sk 5.77 gal per sk 200% | 1 Cameron SSDC wellhead 1 Wellhead luzz cap 320 feet 9-5/8" 32.3# H-40 STC 1 9-5/8" sawtooth guide shoe 3 Bow Type Centralizers 1 Rubber Plug 1/displacement |
| 320' | 320' | SCP | 8 3/4" HCM506Z 6-12's 8-15K WOB 430 GPM 65 RPM | Drill out from under surface w/ Clean Faze (Vis 33-35, WT 8.5-9.0 ppg, WL of 6-8 cc/30 min). Sweep hole with gel/fiber as needed. Don't hesitate to mud hole up! | 1-Stage Intermediate Cement Procedure Preflush: 10 bbls FW, 10 bbls MF, 10 bbls FW Scavenger: Premium Lite w/ 3% CaCl, 0.25 pps Cello-Flake, 5 pps LCM-1, 0.4% FL-52 and 0.4% SMS. 20 sks 11 ppg 17.89 gal/sk 56.0 cu.ft 3.02 cu.ft/sk | Intermediate String 1 7" Float Shoe (Gemoco) 40 feet Shoe Joint 7" 23.0#, L-80 LT&C 1 7" Float Collar (Gemoco) 3803 feet 7", 23.0#, L-80 LT&C |
| 1554' | 1583' | Kirtland | Drill out from under surface with directional tools. | | Lead: Premium Lite w/ 3% CaCl, 0.25 pps Cello-Flake, 5 pps LCM-1, 0.4% FL-52 and 0.4% SMS. 510 sks 12.1 ppg 11.29 gal per sk 1075.7 cu.ft 2.13 cu.ft/sk 125% | 30 7" x 8-3/4" Tandem Rise type every 3rd ft. from shoe to base of surface casing |
| 2359' | 2448' | Fruitland | | | Tail: Type III cmt. w/ 1% CaCl, 0.25 pps Cello-Flake and 0.2% FL-52. 91 sks 14.80 ppg 6.64 gal per sk 125 cu.ft 1.38 cu.ft/sk 0% | Totals 3993 feet 7", 23.0#, L-80 LT&C w/ 150' extra 30 7" x 8-3/4" Tandem Rise type centralizers |
| 2659' | 2770' | Pictured Cliffs | | @ TD make wiper trip to drill collars. | Top of Tail @ 3074.24 ft. TMD | Production String 1 4-1/2" Float Shoe (Gemoco) 1 4-1/2" Float Collar w/ Insert and latch in plug 410 feet 4-1/2" 11 6#, L-80 LT&C 10 feet 4-1/2" 11 6#, L-80 LT&C marker jt @ 150' above the Graneros 3395 feet 4-1/2" 11 6#, L-80 LT&C @ the Huerfanto Bentonite 10 feet 4-1/2" 11 6#, L-80 LT&C marker jt 3537 feet 4-1/2" 11 6#, L-80 LT&C to surface 20 4-1/2" x 6-1/4" bowspring centralizers, 1 on shoe jt, then 1 every 4th jt t/bottom to above Cliffhouse & 1 on jt below 7" shoe |
| 2854' | 2977' | Lewis | 6-3/4" 7-8 lobe, 5.0 stg, 0.28 rev/gal slick Hunting motor | GPM range for motor: 300-450 GPM | | Totals 7512 feet 4-1/2" 11 6#, L-80 LT&C w/ 150' extra 20 4-1/2" x 6-1/4" bow type If mud drilled, contact office for new TD. |
| 3412' | 3547' | Huerfanto Bentonite | | | Production Cement Procedure Preflush: 10 bbls Chem Wash, 2 bbls FW Scavenger: Premium Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32, 6.25pps LCM-1, 1% FL-52. 10 sks 11.0 ppg 17.89 gal/sk 27.0 cu.ft 3.02 cu.ft/sk 40% | Have mudloggers on hole from 6950' TMD to TD. Mudloggers will be Softrock (970-247-8868) |
| 3657' | 3793' | Chacra | | | Tail: Premium Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32, 6.25pps LCM-1, 1% FL-52. 250 sks 12.5 ppg 9.80 gal/sk 490.4 cu.ft 1.98 cu.ft/sk 40% | No open hole logs. |
| 3707' | 3843' | ICP | | | | |
| 4278' | 4414' | Massive Cliff House | | | | |
| 4434' | 4570' | Menefee | | | | |
| | 5035' | Point Lookout | New Diamond Air 6-1/4" Bit Marquis CV462 on Halco Hammer | Air/Nitrogen 1800 cfm 400 - 500 psi | | |
| 5236' | 5372' | Mancos | 2-4 K WOB 30-40 RPM | Run 1-3 #/ft lube beads for friction if necessary | | |
| 6174' | 6310' | Gallup | Slow ROP before drilling into the top of Greenhorn | Oxygen conc MUST be 8% or less while drilling prod hole section. | | |
| 6914' | 7050' | Greenhorn | Reduce WOB to 2,000 & RPM to 25 | | | |
| 6966' | 7102' | Graneros | | | | |
| 7014' | 7150' | Two Wells | | | | |
| 7110' | 7246' | Paguete | | | | |
| 7156' | 7292' | Cubero | | | | |
| 7211' | 7347' | Est. Bottom of Perfs | | | | |
| 7226' | 7362' | Encinal | | | | |
| 7226' | 7362' | Total Depth | | | | |

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Offset Summary

Mansfield #11M (MV/DK, 2007, 1/2 mi. E): Preset surface Drilled 1/236'-2,574' w/ 8-3/4" Hughes HX-09CJ, avg ROP=71 fph, max dev=1.75 deg, 335 gpm. Ran 5% LCM in mud prior running casing. Ran 7", 20#, J-55, ST&C to 2,799'. Cemented intermediate casing with 164 bbls in single stage with 110% excess, circ 61 bbls to surf. Drilled 1/2,810'-7,109' w/ 6-1/4" CV462, avg ROP=114 fph. Ran 4-1/2", 10 5#, J-55 ST&C on bottom and 11.6# LT&C on top. Cemented with 110 bbls w/ 40% excess, TOC @ 1,100'

Mansfield #1B (MV, 2001, 1/2 mi. N): 9-5/8" set @ 231', 16 bbls cmt to surf, No problems with surface. Drilled intermediate hole with a Hughes GT-09C and clean faze 1/231'-3,072' (69 ft/hr), Max dev 1 deg. Added 20% LCM at 2,700', no losses. Cemented intermediate casing in single stage with 100% excess. Circulated 30 bbls to the reserve pit. Air drilled 6-1/4" production section w/ Smith H41R6R2 1/3072'-5301' (107 ft/hr). Cemented 4-1/2" liner w/ 25% excess, circ 6 bbls cmt off liner.

Florance B #1B (MV, 2001, 1.5 mi. N): Set 9-5/8" surf @ 214'. 16 bbl cmt to surf. Drilled intermediate hole with a Hughes GT-09C and clean faze 1/214'-3225' (97 ft/hr), max dev 1 deg. Pulled 20-40K lbs over 1/2,875'-2,530' on short trip, washed bridge @ 2,886'. Cmt int csg in single stage w/ 110% excess, circ 35 bbls to surf. Air drilled 6-1/4" w/ Smith H41R6R2 1/3072'-5301' (105 ft/hr). Cmt 4-1/2" liner w/ 40% excess, circ 14 bbls cmt off liner top.

| Operational Notes | | | | | |
|--|-----------------|-------------|---------------------|----------------------|-----------------|
| Directional Info | | | | | |
| Plan Sections | | | | | |
| Measured Depth (ft) | Inclination (d) | Azimuth (d) | Vertical Depth (ft) | Build Rate (d/100ft) | Casing Point |
| 0 | 0 | 0 | 0 | 0 | |
| 450 | 0 | 0 | 450 | 0 | |
| 1,520.40 | 21.41 | 289.18 | 1,495.60 | 2.0 | |
| 2,772.50 | 21.41 | 289.18 | 2,661.40 | 0 | |
| 3,842.80 | 0 | 0 | 3,707.00 | -2.0 | Inter Csg Point |
| 7,361.80 | 0 | 0 | 7,226.00 | 0 | Prod Csg Point |
| - Drill out surface cmt with directional equipment, drill to KOP of 450' | | | | | |
| - A 6 1/2" E-Field MWD tool will be used. | | | | | |
| - Run an Hunting 6-3/4", 7 8, 0.28 rev/gal 5.0 stage motor without stabilizers | | | | | |
| - If directional plan changes, recalculate position and drill to TVD. If deviation at int. TD exceeds 5°, call office for further instruction. | | | | | |
| - At 7" casing point, TOH with drilling assembly and TIH with insert bit, collar, 8-1/2" 3-pt. reamer | | | | | |
| Target Info | | | | | |
| - Bottom hole location is 1965' FSL and 700' FWL (Section 29) | | | | | |
| - Target is 280' N and 805' W from surface stake | | | | | |
| - BHL is 852.3' in azimuth of 289.18° from surface location | | | | | |
| - Target size is a 50' radius around the BHL. Do not cross hard lease line 660' from west line of Section 29. | | | | | |
| Operational Info | | | | | |
| - Run 6 jts of 6 1/4" spiral dc and 20 jts of 4 1/2" HeviWate pipe for intermediate hole (supplied by Weatherford). | | | | | |
| - Run 10 DCs for air BHA; use 20 DCs if mud drilling necessary. | | | | | |
| - Caliper everything that goes through the table | | | | | |
| - Pump cement job no greater than 4 BPM. | | | | | |
| - Install drilling head rotating rubber once BHA is buried | | | | | |
| - There is a potential for shallow gas flow in the area (Neudecker 7S). Please be cautious. | | | | | |
| - Well should take an estimated 11 days to drill | | | | | |
| - Have Blooie line rigged up prior to drilling the Kirtland | | | | | |
| - Estimated bottom of perfs @ 7346.8' TMD | | | | | |
| - Call both regulatory agencies 24 hours in advance of BOP testing, spud, running csg, or cementing. Leave message if after hours | | | | | |

Prepared: 10/16/2007
Prepared: Russell Perkins - Drilling Engineer

Reviewed: Monty Myers - Drilling Engineer

Approved: Jim Fodor - Drilling Superintendent