

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

2005 AUG 16 PM 2 21

1. Type of Well
GAS

RECEIVED
070 FARMINGTON NM

5. Lease Number
NMSF-078716A

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

2. Name of Operator

BURLINGTON

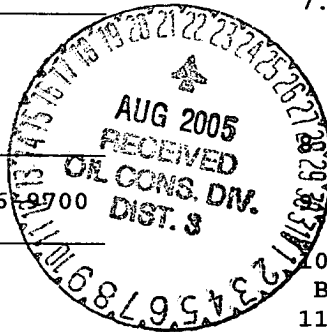
RESOURCES OIL & GAS COMPANY

3. Address & Phone No. of Operator

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

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

1090' FSL, 900' FEL, Sec. 7, T29N, R10W, NMPM



Well Name & Number

Hubbell Federal 1M

API Well No.

30-045-32809

10. Field and Pool

Blanco Mesaverde/Basin Dakota

11. County and State

San Juan Co, NM

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

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Change of Casing & Cementing

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to revise the operations plan on the above referenced approved APD as shown on the attached revised operations plan.

- Cement volume on the surface casing must be adjusted (as indicated) to ensure circulation to surface.

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

Signed Joni Clark Title Regulatory Specialist Date 8/15/05

(This space for Federal or State Office use)

APPROVED BY Adrian Brumby Title Pet. Eng Date 8/18/05

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes 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.

NMOC

OPERATIONS PLAN

Well Name: HUBBELL FEDERAL 1M
Location: 1090' FSL & 900' FEL, Section 07 T29N R10W
San Juan County, New Mexico
Formation: Blanco Mesaverde/Basin Dakota
Elevation: 5710' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	795'	
Ojo Alamo	795'	929'	aquifer
Kirtland	929'	1827'	gas
Fruitland Coal	1827'	2042'	gas
Pictured Cliffs	2042'	2144'	gas
Lewis	2144'	2669'	
Huerfanito Bentonite	2669'		
Chacra	3049'	3692'	gas
Massive Cliff House	3692'	3732'	gas
Menefee	3732'	4337'	gas
Massive Point Lookout	4337'	4724'	gas
Mancos Shale	4724'	5589'	
Upper Gallup	5589'	6335'	gas
Greenhorn	6335'	6392'	gas
Graneros	6392'	6456'	gas
Two Wells	6456'	6508'	gas
Paguate	6508'	6569'	gas
Cubero	6569'	6625'	gas
Encinal	6625'	6693'	gas
Burro Canyon	6693'	6808'	gas
Morrison	6808'	6673'	gas
Topset TD:	6673'	6828'	gas
Total Depth:	6828'		gas

Logging Program:

Mud Logs/Coring/DST

Mud logs - none
Coring - none
DST - none
Open hole - none
Cased hole - Gamma Ray, CCL, CBL - surface to TD

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0 - 320'	Spud MUD/Air/Air Mist	8.4 - 9.0	40 - 50	no control
320 - 3882'	LSND	8.4 - 9.0	30 - 60	no control
3882 - 6828'	Air/Air Mist/Nitrogen	n/a	n/a	n/a

Casing Program (as listed, the equivalent, or better):

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 320'	8 5/8"	32.3# 24#	H-40 J-55
6 1/4"	0' - 6433'	4 1/2"	10.5#	J-55
3 7/8"	6433' - 6658'	open hole		

Per Joni Clark
8/18/05

Tubing Program:

<u>Depth Interval</u>	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
0' - 6658'	2 3/8"	4.7#	J-55

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD - if necessary

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

Intermediate TD to Total Depth - if necessary

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

Surface to Total Depth -

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -

7 1/16" 2000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

Wellhead -

8 5/8" x 4 1/2" x 2 3/8" x 2000 psi tree assembly.

General -

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- BOP pit level drill will be conducted weekly for each drill crew.
- All BOP tests & drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

8 5/8" surface casing - 320 ft is beyond the MOTE rig capabilities.

~~Pre-Set Drilled - Cement with 23 sz type I, II cement with 20% flyash mixed at 14.5 pps 1.61 cu ft per sack yield. (28 cu ft of slurry, bring cement to surface). Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.~~

Conventionally Drilled - Cement with 30 sz type III cement with 0.25 pps Celloflake, 2% CaCl₂ 1.13 cu ft of slurry, 200% excess, bring cement to surface) Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface. Wait on cement appropriate time until cement achieves 250 psi compressive strength at 60 degrees F. prior to nipple up of BOPE. Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing -

Lead with 300 sacks Premium Lite cement with 3% calcium chloride, 0.25 pps Celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail w/90 sacks Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss (124 cu ft 50% excess to circulate to surface). WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL or a temperature survey will be run to determine TOC. Test casing to 1500 psi for 30 minutes.

4 1/2" production casing alternative two stage -

Stage collar set 150' above the top of the Point Lookout. First stage: Lead w/475 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss. Tail w/90 Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss. Second stage: 315 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (124 cu ft - 50% excess to circulate to surface).

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every fourth joint off bottom, to the base of the Ojo Alamo @ 929'. Two turbolating centralizers at the base of the Ojo Alamo 929'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

Cementing: Continued

Cement float collar stacked on top of float shoe.

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. The liner hanger will have a rubber packoff.

- If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.

Special Drilling Operations (Air/Mist Drilling):

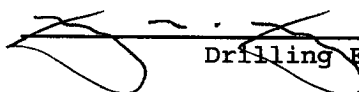
The following equipment will be operational while air/mist drilling:

- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The blooie line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite direction from the blooie line.
- Engines will have spark arresters or water cooled exhaust.
- The rotating head will be properly lubricated and maintained.
- A float valve will be utilized above the bit.
- Mud circulating equipment, water, and mud materials will be sufficient to maintain control of the well.

Additional Information:

- The Mesa Verde and Dakota formations will be completed and commingled.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal	300 psi
Pictured Cliffs	600 psi
Mesa Verde	700 psi
Dakota	2000 psi
- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered below the top of the Pictured Cliffs.
- The south half of Section 7 is dedicated to the Mesa Verde and Dakota.
- This gas is dedicated.



Drilling Engineer

8/15/05

Date