

RECEIVED

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

JAN 27 2010

**Bureau of Land Management
Farmington Field Office**

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

5. **Lease Number**
NMSF-076958
6. **If Indian, All. or
Tribe Name**
7. **Unit Agreement Name**

2. **Name of Operator**
BURLINGTON
RESOURCES OIL & GAS COMPANY LP

8. **Well Name & Number**
Hare 15M

3. **Address & Phone No. of Operator**

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

9. **API Well No.**

30-045-24443

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

10. **Field and Pool**

Surf: Unit O (SWSE), 930' FSL & 1770' FEL, Section 3, T29N, R10W, NMPM

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

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☒ Abandonment

☐ Recompletion

☐ Plugging

☐ Casing Repair

☐ Altering Casing

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

☒ Other - P&A

RCVD FEB 8 '10

OIL CONS. DIV.

DIST. 3

13. Describe Proposed or Completed Operations

Burlington Resources wishes to P&A this well per the attached procedures and well bore schematics.

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

Signed Rhonda Rogers Rhonda Rogers Title Staff Regulatory Technician Date 01/26/2010

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title _____ Date FEB 02 2010

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

**Notify NMOCD 24 hrs
prior to beginning
operations**

NMOCD

B

R

ConocoPhillips
Hare #15M (MV/DK)
P&A

Lat: 36° 45' 2.808" N

Long: 107° 52' 7.716" W

NOTE: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

H2S: In 2003 during rig intervention after trying to kill the well with 80 bbls 2% KCL an H2S sample was run at the end of the flowback line and 2000 ppm was recorded. Since then, there has not been any H2S detected during normal operations. However, if H2S is encountered then use the standard COP H2S procedure, contact rig superintendent, and engineer.

1. This project requires the Operator to obtain an approved NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.

2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.

3. Rods: Yes ☐, No ☒, Unknown ☐
Tubing: Yes ☒, No ☐, Unknown ☐, Size 2.375", Length 4592'
Packer: Yes ☒, No ☐, Unknown ☐, Type Baker Model R stuck at 4814'
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.

NOTE: Tubing was cut 4' above the packer at 4812'. After trying to fish out packer and remaining tubing for several days, the top of tubing was at 4736'. S. Mason, BLM, verbally approved on December 2, 2009 to set a CR at 4716' and attempt to squeeze cement below CR.

4. **Plug #1 (Dakota perforations, top and Gallup top, 6958' – 4666'):** RIH and set 5.5" CR at 4716'. Circulate well clean. Mix 100 (118 cf) sxs Class B cement and attempt to squeeze 83 sxs below CR through the old 1 1/2" tubing, and outside 5.5" casing and leave 17 above CR. If unable to pump below CR then notify Steve Mason, BLM.

5. **Plug #2 (Mesaverde perforations and top, 3966' – 3822'):** RIH and set 5.5" CR at 3966'. Load casing with water and circulate well clean. Attempt to pressure test casing to 800 PSI. If casing does not test, then spot or tag subsequent plugs as appropriate. Spot 22 sxs Class B cement (25.96 cf) above CR to 3822' to cover the Mesaverde interval and tops. PUH.

→ *Chacara plug 3359-3259 inside + outside 5 1/2" casing*
6. **Plug #3 (Pictured Cliffs and Fruitland tops, 2362' – 1875'):** Mix and pump 61 sxs Class B cement inside casing to cover the Pictured Cliffs and Fruitland tops. PUH.

1270 1038

7. **Plug #4 (Kirtland and Ojo Alamo tops, 1435' – 970'):** Mix and pump 23 sxs Class B cement inside casing to cover the Kirtland and Ojo Alamo tops. TOH and LD tubing.

8. **Plug #5 (Surface Casing shoe, 264' to Surface):** Perforate 3 HSC squeeze holes at 264'. Establish circulation to surface out the casings and bradenhead valve, circulate the BH annulus clean. Mix approximately 85 sxs Class B cement and pump down the 5.5" casing to circulate good cement out casing and bradenhead to the surface. Shut in well and WOC.

9. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Hare #15M
Proposed P&A

Today's Date: 12/2/09

Spud: 9/6/80

Completion: 2/3/81

Elevation: 5862' GL 12.25" hole

Ojo Alamo @ 1020' *est.

Kirtland @ 1185' *est

Fruitland @ 1925'

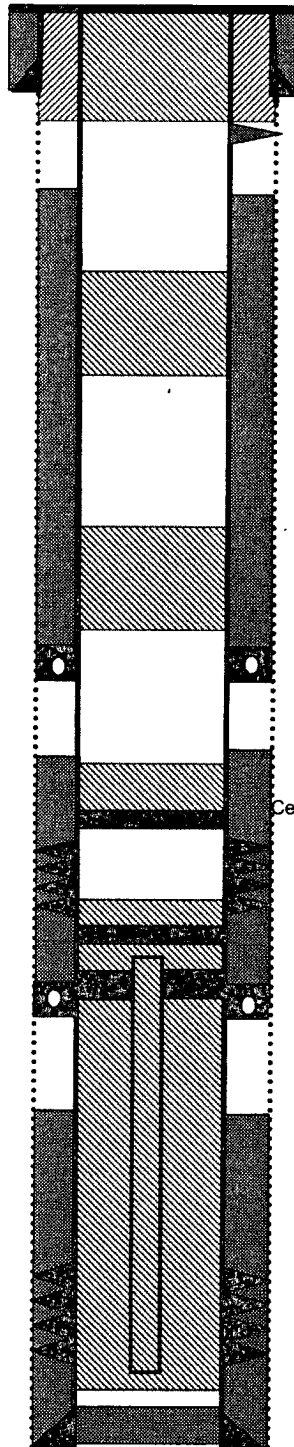
Pictured Cliffs @ 2312'

Mesaverde @ 3872'

Gallup @ 5850'

Dakota @ 6750'

7.875" Hole



8.625", 24#, K-55 Casing set @ 214'
Cement with 140 sxs, circulate to surface

Plug #5: 264' - 0'
Class B cement, 85 sxs

TOC @ 448' (Calc, 75%)

Plug #4: 1135' - 970'
Class B cement, 25 sxs

Plug #3: 2362' - 1875'
Class B cement, 61 sxs

DV Tool @ 2410'
Cement with 296 sxs (453 cf)

TOC @ 3742' (Calc, 75%)

Plug #2: 3966' - 3822'
Cement Retainer @ 3966' Class B cement, 22 sxs

Mesaverde Perforations:
4016' - 4675'

Plug #1: 6958' - 4666'
Set CR @ 4716' Class B cement, 100 sxs

Top of fish @ 4736'.
Baker Model "R" Packer at 4814'.

DV Tool @ 4827'
Cement with 163 sxs (250 cf)

TOC @ 5852' (Calc, 75%)

Dakota Perforations:
6756' - 6908'

5.5" 15.5# K-55 casing set @ 6932'
Cement with 200 sxs (249 cf)

TD 6942'

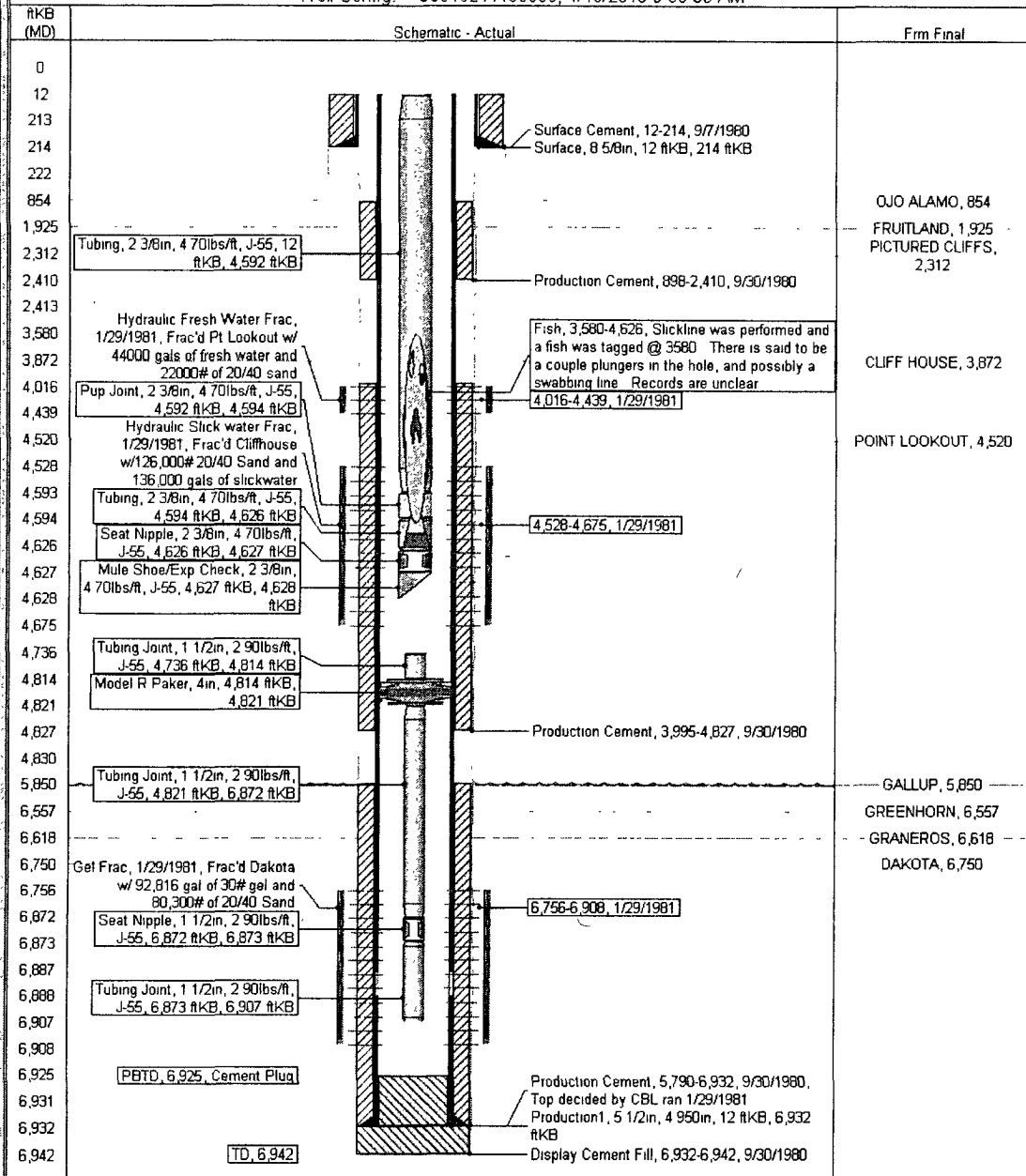
Current Schematic

ConocoPhillips

Well Name: HARE #15M

API / UWI 300452443	Surface Legal Location NMPM,003-029N-010W	Field Name BASIN DAKOTA (PRODUCED GAS)	License No	State/Province NEW MEXICO	Well Configuration Type [edit]
Ground Elevation (ft) 5,862.00	Original KB/RT Elevation (ft) 5,874.00	KB-Ground Distance (ft) 12.00	KB Casing Flange Distance (ft) 5,874.00	KB-Tubing Hanger Distance (ft) 5,874.00	

Well Config. - 30045244430000, 1/15/2010 9 56 39 AM



**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment,
Well: 15M Hare

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. The following modifications to your plugging program are to be made:
 - a) Place a cement plug from 3359' – 3259' inside and outside the 5 ½" casing to cover the Chacra top.
 - b) Place the Kirtland/Ojo Alamo plug from 1270' – 1033'.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.