

State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division

Sundry Notices and Reports on Wells

1. Type of Well  
GAS

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

3. Address & Phone No. of Operator  
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M  
1520' FNL, 1735' FWL, Sec. 27, T-29-N, R-11-W, NMPM, San Juan County

API # (assigned by OCD)  
30-045-24673  
5. Lease Number  
Fee  
6. State Oil&Gas Lease #  
7. Lease Name/Unit Name  
Mangum  
8. Well No.  
1E  
9. Pool Name or Wildcat  
Basin Dakota  
10. Elevation:

Type of Submission

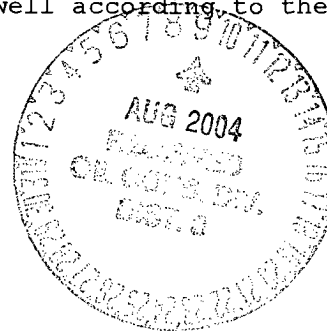
☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment

Type of Action

☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other -  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut off  
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.



SIGNATURE Nancy Altmann Senior Staff Specialist August 6, 2004

no  
(This space for State Use)

Approved by Chad R. Title DEPUTY OIL & GAS INSPECTOR, DIST. 2

AUG - 9 2004  
Date


**Mangum #1-E -- Dakota**  
**PLUG AND ABANDONMENT PROCEDURE**  
1520' FNL & 1735' FWL  
NW, Section 27, T029N, R011W  
Latitude: N36°42.03', Longitude: W107° 58.902'  
AIN: 3236701  
8/2/2004

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. **All cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.**


1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and Burlington safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. TOH and tally tubing, 6104'. Inspect tubing and if necessary, LD tubing and PU workstring. Round-trip 4-1/2" gauge ring to 5974'.
3. **Plug #1 (Dakota perforations, 5974' - 5974'):** TIH and set 4-1/2" cement retainer at 5974'. Pressure test tubing to 1000# then circulate the well clean. Pressure test casing to 1000#. If the casing does not test, then spot or tag subsequent plug as appropriate. Mix 11 sxs Type III cement and spot a plug above the retainer to isolate the Dakota interval. PUH to 5225'.
4. **Plug #2 (Gallup top, 5225' - 5124'):** Mix 11 sxs Type III cement and spot a balanced plug inside casing to cover the Gallup top. PUH to 3208'.
5. **Plug #3 (Mesaverde top, 3208' - 3108'):** Mix 11 sxs Type III cement and spot a balanced plug inside casing to cover the Mesaverde top. PUH to 2640'.
6. **Plug #4 (Chacra top, 2640' - 2540'):** Mix 11 sxs Type III cement and spot a balanced plug inside casing to cover the Chacra top. PUH to 1630'.
7. **Plug #5 (Pictured Cliffs and Fruitland tops, 1630' - 1270'):** Mix 28 sxs Type III cement and spot a balanced plug inside casing to cover the PC and Fruitland tops. PUH to 540'.
8. **Plug #6 (Kirtland, Ojo Alamo and 8-5/8" Surface casing, 540' - Surface):** Pressure test bradenhead annulus to 300#. If it tests, then mix 40 sxs Type III cement and spot a balanced plug inside casing from 540' to surface, circulate good cement out casing valve. TOH and LD tubing. If the bradenhead annulus does not test, then perforate at the appropriate depths and plug well accordingly.
9. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Recommended:

Engineer

  
Operations Engineer  
Office - (599-4043)  
Cell - (320-0321)

Approved:

  
Drilling Superintendent

Sundry Required:

**YES**

Approved:



Lease Operator:  
Specialist:  
Foreman:

Cell: 320-      Pager: 324-  
Cell: 320-      Pager: 326-  
Office: 326-      Pager: 326-

# Mangum #1-E

## Current

Basing Dakota / AIN #3236701

1520' FNL & 1735' FEL, Sec. 27, T-29-N, R-11-W, San Juan County, NM

Long: N:36° 42.03' / Lat: W:107° 58.902' / API #30-045-24673

Today's Date: 7/19/04

Spud: 2/27/81

Completed: 4/21/81

Elevation: 5422' GL  
5434' KB

12-1/2" hole

Ojo Alamo @ 375'

Kirtland @ 490'

Fruitland @ 1320'

Pictured Cliffs @ 1580'

Chacra @ 2590'

Mesaverde @ 3158'

Gallup @ 5175'

Dakota @ 6020'

7-7/8" Hole

TOC @ Surface

8-5/8" 24# H-40 Casing set @ 365'  
Cement with 275 sxs, circ to surface

### WELL HISTORY

No workovers reported.

2-3/8" Tubing @ 6104'

DV Tool @ 2748'  
Cement with 650 sxs, circulated to surface

TOC @ 2766' (Calc 75%)

DV Tool @ 4180'  
Cement with 300 sxs (429 cf)

TOC @ 4752' (Calc 75%)

Dakota Perforations:  
6024' - 6160'

4-1/2" 10.5# K-55 Casing set @ 6240'  
Cement with 350 sxs (452 cf)

TD 6240'  
PBSD 6224'

# Mangum #1-E

## Proposed P&A

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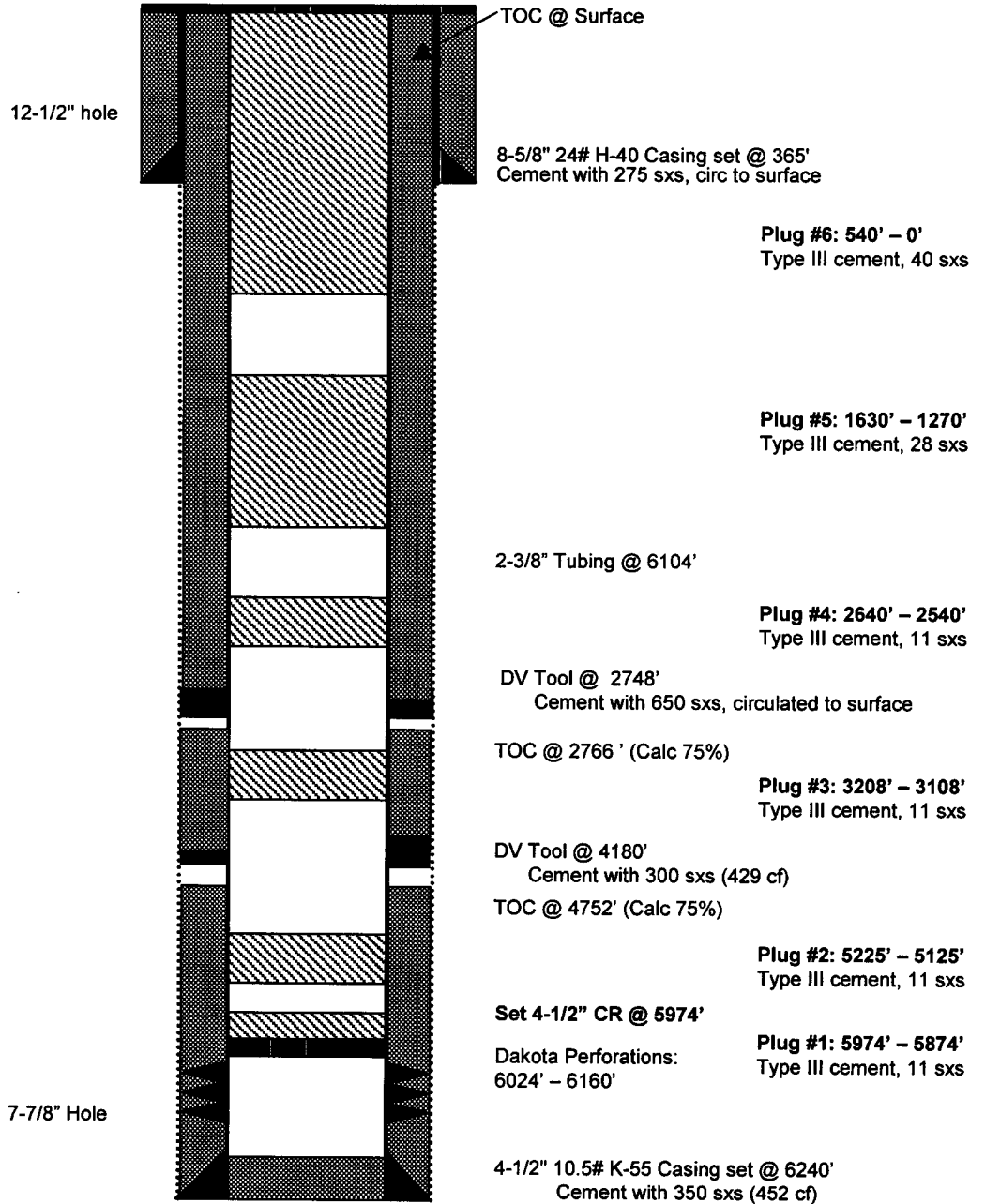
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Mesaverde @ 3158'

Gallup @ 5175'

Dakota @ 6020'



TD 6240'  
PBTD 6224'