

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9909

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

1060'FSL, 1720'FEL, Sec.28, T-29-N, R-11-W, NMPM

5. Lease Number
NM-020982

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Mangum #4E

9. API Well No.
30-045-24128

10. Field and Pool
Otero Chacra/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 Back

☐ Casing Repair

☐ Altering Casing

☒ Other - P&A Chacra

☐ 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 & abandon the Chacra formation of the subject well according to the attached procedure. Well will produce as a single Dakota.

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

Signed

Regina Cole

Title Regulatory Supervisor Date 5/31/00

TLW

(This space for Federal or State Office use)

APPROVED BY

Title

Date 6/2/00

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

Mangum 4E
Dakota/Chacra
AIN: 4623401 and 4623402
1060' FSL & 1720' FEL
Unit O, Sec. 28, T29N, R11W
Latitude / Longitude: 36° 41.5448' / 107° 59.6036'

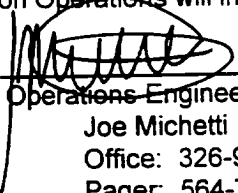
Recommended P&A (Chacra) and Tubing Repair (Dakota) Procedure

Project Summary: The Mangum 4E is a dual Dakota/Chacra well drilled in 1980. We plan to squeeze the Chacra perforations, test the casing and clean out to PBTD. We plan to minimize the loading problem associated with this well by replacing 1-1/2" tubing with 2-3/8" tubing and installing a plunger lift system. The tubing in this well has not been pulled since the original completion. The Chacra has not produced since 1983 due to high water production rates. Based on offset production the Chacra zone does not have sufficient reserves left to justify any further capital expenditure. A Bradenhead test on 9/20/99 failed. Cumulative production from the Chacra is 41 MMCF and 456 MMCF from the Dakota. Currently the Dakota is producing 64 MCFD (3-month average). Estimated uplift is 40 MCF/D for the Dakota.

1. Comply with all NMOCD, BLM and Burlington safety and environmental regulations. Test rig anchors and build blow pit prior to moving in rig. **Notify BROG Regulatory (Peggy Bradfield 326-9727) and the appropriate Regulatory Agency prior to pumping any cement job. If an unplanned cement job is required, approval is required before the job can be pumped. If verbal approval is obtained, document approval in DIMS/WIMS. Allow as much time as possible prior to pump time in case the Agency decides to witness the cement job.**
2. Set a plug with wireline in the FN (6229') on the Dakota tubing.
3. MOL and RU workover rig. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with 2% KCl water as necessary. ND wellhead and NU BOP. Test and record operation of BOP rams. Have wellhead and valves serviced at machine shop to convert to a single string wellhead (2-3/8"). Test secondary seal and replace/install as necessary.
3. TOOH laying down the 1-1/2", 2.76#, V-55 IJ Chacra tubing with bull plug on bottom (set at 2760').
4. Pick up Dakota tubing and release the Otis Perma-Latch packer set @ 2869.5' with one-quarter right hand turn or straight pick up to shear release. Packer was set with 11,000# compression. If packer will not come free, then cut 1-1/2" tubing above the packer and fish with overshot and jars. TOOH laying down 1-1/2", 2.9#, J-55 EUE Dakota tubing (set at 6229').
5. Run gauge ring on wireline to 2861' checking 5 1/2" casing. POOH with gauge ring. Set CIBP with wireline at 2811', (50' below CH perforations). Chacra perforations are 2642'-2761'. TIH with packer and set at 2765'. Pressure test the CIBP to 500 psi. Once pressure tests set packer at 2592'. Squeeze the Chacra perforations with 50 sxs Class B neat (100% excess). Notify regulatory agency prior to pumping cement. Pull up, circulate out cement and TOOH. WOC.
6. TIH w/ 4 3/4" bit on 2-3/8" tubing to DO cement, CO to top of CIBP. TOOH.
7. Pressure test casing and monitor the bradenhead. If casing does not pressure test, utilize packer to isolate casing leaks. Establish a pump-in rate and pressure. Notify regulatory agency prior to pumping cement. Resqueeze as necessary. TOOH with packer.
8. Once casing integrity is established, if the bradenhead still has pressure on it, then run a CBL to establish the top of cement. Shoot squeeze holes above top of cement. Establish a pump-in rate, pressure and circulation to surface. Resqueeze as necessary.

10. TIH w/ 4 3/4" bit on 2-3/8" tubing to DO cement, TOOH. Test casing, resqueeze as necessary.
11. PU 2 3/8" tubing and RIH with a 4-3/4" bit and a watermelon mill and clean out to PBTD (6341') with air, POOH. **Note: when using air/mist, the minimum mist rate is 12 bph.**
12. TIH with 2-3/8" tubing with a seating nipple and an expendable check on bottom. Broach all tubing and land at approximately 6255'. ND BOP and NU single string wellhead (2-1/16" master valve). Pump off expendable check and blow well in. Return well to production.
13. Production Operations will install plunger lift.

Recommended:

 05/30/00
Operations Engineer

Joe Michetti

Office: 326-9764

Pager: 564-7187

Approval:

 5-30-00
Drilling Superintendent

Sundry Required: YES/NO

Approved:

 5-31-00
Regulatory Approval