

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to ~~1625 N. French Dr.~~  
abandoned well. Use Form 3160-3 (APD) for such proposals.  
**Hobbs, NM 88240**

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires November 30, 2000

5. Lease Serial No.

**LC 068037**

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA/Agreement, Name and/or No.

**NM 061P3584C426**

8. Well Name and No.

**Mescalero 29 1**

**Federal Com**

9. API Well No.

**30-025-28283**

10. Field and Pool, or Exploratory Area

**Quail Ridge (Morrow)**

11. County or Parish, State

**Lea NM**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

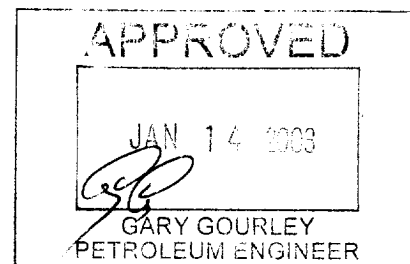
TYPE OF ACTION

- ☒ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off  
☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity  
☒ Casing Repair ☐ New Construction ☐ Recomplete ☒ Other **Add Morrow**  
☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon **Perforations**  
☐ Convert to Injection ☐ Plug Back ☐ Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompletable horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletable in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

**Gruy Petroleum Management Co. respectfully request approval to repair casing, add additional Morrow perfs and stimulate all perforations.**

Procedure and wellbore schematics are attached.



14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**Don Aldridge**

Title

**Sr. Regulatory Analyst**

Date

**1-8-2003**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

(Instructions on reverse)

GWW

# RECOMMENDED WELLWORK PROCEDURE

## MESCALERO 29 FED COM #1

### QUAIL RIDGE (MORROW)

### LEA COUNTY, NEW MEXICO

#### WELL DATA

**SPUD DATE:** 7/19/83  
**PERM. ZERO PT.:** KB=3688', GL=3668.7'  
**TOTAL DEPTH:** 13,680'  
**PBTD :** 13,485' (fill)  
**SURFACE CSG:** 13-3/8", 48#, H-40 @ 400'  
**INTER CSG :** 8-5/8", 24 & 28#, J-55 & S-80 @ 5000'  
**PROD CSG:** 5-1/2", 17 & 20#, P-110, S-95, L-80 & N-80 @ 13,680'  
**PERFS:** 13073-13082, 13267-13270, 13276-13282, 13332-13342 & 13505-13521'  
**TBG:** 2-3/8" N-80  
**PKR:** Baker Mod R @ 12954'  
**OTHER:** Apparent csg leak

**OBJECTIVE:** The Upper Morrow intervals in this well were never stimulated. A recent BHP showed 3226 psi. Recommend repairing the casing leak, opening up additional pay and stimulating the Morrow to return the well to production.

**\*\*\*\*\* SAFETY IS TOP PRIORITY \*\*\*\*\***

#### PROCEDURE:

Use 7% KCL wtr.

1. MIRU wellservice rig. Load tbq. ND WH. NU BOP's and test.
2. Rls pkr & POH.
3. PU & RIH w/ 5-1/2" RBP & pkr on 2-7/8" workstring to 13000'.
4. Test csg from 13000' up isolating all leaks. Casing will need to hold 2000 psi during frac job.
5. Spot sand on RBP. Sqz leaks as necessary from bottom up. Drill out and test casing.
6. Lower & clean out fill from 13485' to PBTD 13580'. POH.
7. MIRU e-line. Install lubricator. RIH w/ csg gun and GR/CCL tools. Run strip log to get on depth. Perforate the Morrow 13210-13217', 2 spf by Gearhart Compensated Density Compensted Neutron Log (Run #2) dated 9/6/83 which correlates flat to Schlumberger CBL/Variable Density/CCL log dated 10/8/83. RD e-line.

8. RIH w/ 10k RBP & pkr on 2-7/8" workstring. Set RBP +/- 13540' and test. PU & set pkr +/- 13480'. Load tbg and EIR into perfs 13505-13521' w/ 5 bbls 7% KCL wtr. SI. Record ISIP and 15 min shut-in pressure.
9. Rls pkr. Lower & latch RBP. PU & reset RBP +/- 13360'. Test RBP. PU & set pkr +/- 13310'. Load tbg. BD & EIR into perfs 13332-13342' w/ 5 bbls 7% KCL wtr. SI. Record ISIP and 15 min SIP.
10. Rls pkr. Lower & latch RBP. PU & reset RBP +/- 13310'. Test RBP. PU & set pkr +/- 13240'. Load tbg. BD & EIR into perfs 13267-13282' w/ 5 bbls 7% KCL wtr. SI. Record ISIP and 15 min SIP.
11. Rls pkr. Lower & latch RBP. PU & Reset RBP +/- 13240'. Test RBP. PU & set pkr +/- 13180'. Load tbg. BD & EIR into perfs 13210-13217' w/ 5 bbls 7% KCL wtr. SI. Record ISIP and 15 min SIP.
12. Rls pkr. Lower & latch RBP. PU & Reset RBP +/- 13110'. Test RBP. PU & set pkr +/- 13040'. Load tbg. BD & EIR into perfs 13073-13082' w/ 5 bbls 7% KCL wtr. SI. Record ISIP and 15 min SIP.
13. Evaluate breakdown pressure, ISIP and 15 min SIP of all zones to determine if frac proposal should be revised to frac only 13073-13342'.
14. Rls pkr & POH laying down 2-7/8" workstring.
15. PU & RIH w/ pkr on 3-1/2" workstring (csg leak sqz work to determine if mix of P-110 and L-80 is required). Set pkr +/- 12950'. Load & test annulus.
16. ND BOP's. NU wellhead. Install wellhead isolation tool.
17. MIRU BJ Services pumping, N2 and CO2 equipment. Install pump and pop-off set for 2500 psi on annulus. Stake and tie-down all lines. Pressure test lines to 11000 psi.
18. Frac Morrow 13073-13521' w/ 59,000 gals Binary foam and 60,000 lbs 20/40 Interprop dwn 3-1/2" tbg @ 20 BPM (est 9000 WHTP) as follows:
  - a. Pump 3000 gals binary foam pre-pad
  - b. Pump 20000 gals binary foam pad
  - c. Pump 6000 gals binary foam w/ 0.5 ppg 20/40 Interprop
  - d. Pump 9000 gals binary foam w/ 1.0 ppg 20/40 Interprop
  - e. Pump 15000 gals binary foam w/ 2.0 ppg 20/40 Interprop
  - f. Pump 6000 gals binary foam w/ 3.0 ppg 20/40 Interprop
  - g. Flush short of top perf w/ binary foam

Bring annulus pressure up to 2000 psi as pressure on tubing increases.

19. RD BJ Services.

September 12, 2002

20. Open well and flowback till pressure drops below wellhead working pressure. RD wellhead isolation tool.
21. Open well and flow test.
22. Load tbg. ND wellhead. NU BOP's.
23. Rls pkr & POH w/ 3-1/2" workstring laying down.
24. PU & RIH w/ pkr & on-off tool on 2-3/8" production tbg. Set pkr +/- 12,950'. Rls from pkr. Rev annulus w/ pkr fluid. Latch pkr. Test annulus.
25. ND BOP's. NU wellhead.
26. Swab well in to flow.
27. RD&RR.
28. Open well and flow to test.

JAN 2003  
RECEIVED  
Hobbs  
OCD

# GRUY PETROLEUM MANAGEMENT CO.

QUAIL RIDGE (MORROW)

MESCALERO 29 FED COM #1

SPUDDED 7/19/83  
API 30-025-28283

## CURRENT COMPLETION

Sherry Reid Carroll 9/12/02

KB: 3688'  
DF: 3686.6'  
GL: 3668.7'

1980' FSL & 1650' FWL  
Sec 29, T-19-S, R-34-E  
Unit Letter J  
Lea County, New Mexico

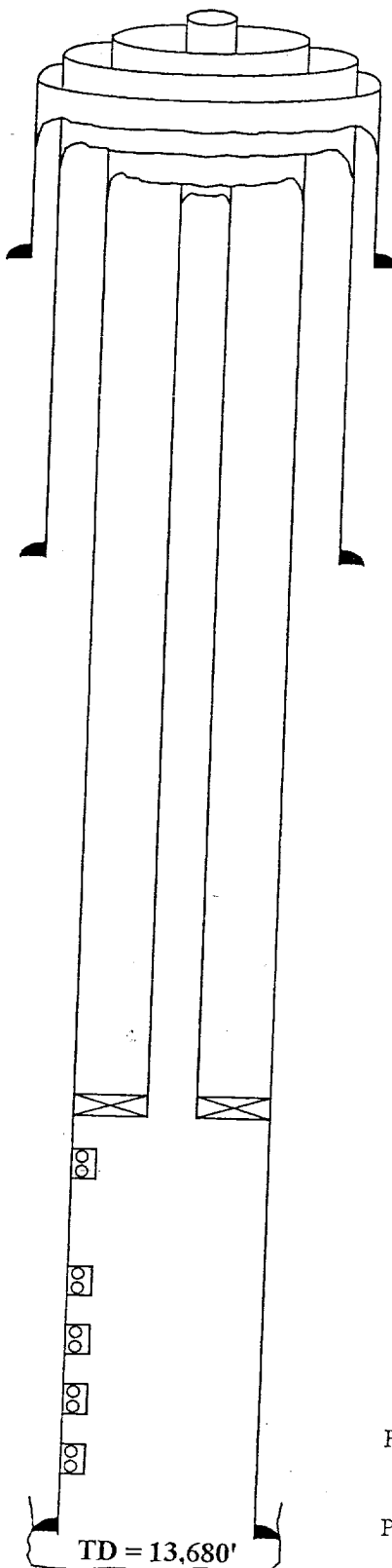
Casing Strings:  
20" Conductor

13-3/8" (17-1/2" hole), 48#, H-40  
@ 400' w/ 570 sx cmt  
TOC @ surface - circ

8-5/8" (11" hole), 24 & 28#, J-55 & S-80  
@ 5000' w/ 1900 sx cmt  
TOC @ surface - circ

5-1/2" (7-7/8" hole), 17 & 20#, P-110,  
S-95, L-80 & N-80 @ 13680'  
w/ 595 sx cmt  
TOC @ 10060' (CBL)

Tubing String:  
2-3/8" N-80 tbg



Baker Mod R Double Grip @ 12954'

Morrow:

13073-82, 13267-70, 13276-82  
13332-42' (2 spf) 2/85  
13505-21' (2 spf) 10/83

Fill tagged @ 13,485' WLM

PBTD 13580'

TD = 13,680'

# GRUY PETROLEUM MANAGEMENT CO.

QUAIL RIDGE (MORROW)

MESCALERO 29 FED COM #1

SPUDDED 7/19/83  
API 30-025-28283

## PROPOSED COMPLETION

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GL: 3668.7'

Sherry Reid Carroll 9/12/02

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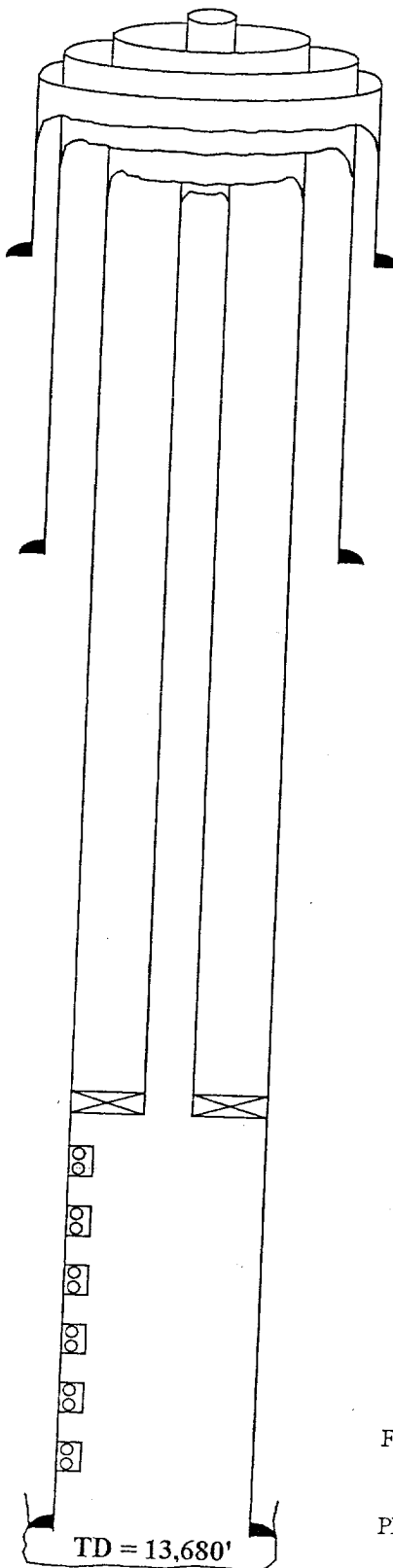
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Pkr +/- 12950'

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