

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR  
Mitchell Energy Corporation

3. ADDRESS OF OPERATOR 80202  
1670 Broadway Suite 3200 Denver, Co.

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1080' FWL x 1100' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐

SUBSEQUENT REPORT OF:

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐

(other) Cement Squeeze over Ojo Alamo Zone

5. LEASE  
SF 078890

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N.A.

7. UNIT AGREEMENT NAME  
Rosa

8. FARM OR LEASE NAME  
N.A.

9. WELL NO.  
81

10. FIELD OR WILDCAT NAME  
Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
A Sec. 7-31N-4W

12. COUNTY OR PARISH 13. STATE  
Rio Arriba New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6483' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The aforementioned well was drilled last year and due to weather constraints, never completed. On June 2, 1982 the Otis S.S. (see attached wellbore diagram) was opened and circulation was not attainable @ 1500 psig. Circulation down the backside was also tried w/ no success. Higher pressures were not tried, as a potential hazard of fracturing the adjacent formations was probable. Apparently, solids from the mud have settled out causing an effective plug across the sleeve to the surface. In an effort to establish a cement slurry across the Ojo Alamo, 2 shots will be placed below the Ojo Alamo and circ. established. If circ. can't be established @ this point, the perfs will be cement squeezed and an effective plug will have been proven across the Ojo Alamo (discussed w/Don Elliot of MMS-Farmington, N.M. on 6/2/82). The proposed procedure is as follows:

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ (Attached) ft.

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

SIGNED [Signature] TITLE Area Engineer DATE 6-16-82

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_ DATE APPROVED

NMOCC

\*See Instructions on Reverse Side

JUN 15 1982

[Signature]  
District Engineer

PROCEDURE:

Due to frac'ing down casing, having perfs cement squeezed is an extremely sensitive problem as these perfs could be opened during the frac treatment. Therefore, the well will be completed in the Dakota first and then the remedial work will follow.

- (1) Complete in the Dakota formation by perfining and fracing the interval 8,064'-8,166' O.A.
- (2) Test well for flow rates. RIH w/wireline set packer w/knock-out plug to isolate Dakota. Set at 8,020 ±.
- (3) RIH w/3-1/8" casing gun. Shoot 2 holes (180° phasing) @ 2,800' (Ojo Alamo 2,600'-2,780').
- (4) Try to establish circulation. Do not exceed 1200 psig. If circulation is established, cement across Ojo Alamo w/100 sxs. Class "B" cement w/2% CaCl<sub>2</sub>.
- (5) If circulation can't be established, TIH w/tubing and packer. Set Packer @ 2,600'. Cement squeeze perfs w/ 15 sxs. Class "B" cement w/ 2% CaCl<sub>2</sub>.
- (6) Drill out cement. Test squeeze to 2,000#. RIH w/tubing. Land tubing in packer. Put on production.

D.P. - 6-10-82



# DOWNHOLE DIAGRAM & DIMENSIONS

6483' G.L. 13'  
GROUND

KB

WELL: Rosa #81

LOCATION: Sec. 7-T31N-R4W

COUNTY, STATE: Rio Arriba, New Mexico

DATE: 6-4-82

Co. SUPERVISOR D. Pate

SURFACE  
CASING: 600' Ft.  
SIZE: 10-3/4"  
WT: 40.5 #  
GRADE: K-55

Cemented: 600 sxs  
Class "B"

PRODUCTION  
CASING: Ft.  
SIZE: 4-1/2"  
WT: 11.6 #  
GRADE: K-55 & N-80

Cemented:  
1st stg: 400 sxs.  
10-50- Poz  
2nd stg: 525 sxs 50-  
10 Poz  
LINER: N.A. Ft.

SIZE: \_\_\_\_\_  
WT: \_\_\_\_\_  
GRADE: \_\_\_\_\_  
(IF NONE: SO STATE)

Proposed:  
TOP  
PERF: 8,064'

BOTTOM  
PERF: 8,166'

PBTD: 8,203'

TD: 8,250'

Otis S.S.  
@ 3,805'

DV tool @  
6,005'

TUBING DATA	
SIZE	2-3/8"
WT.	4.7 #
GRADE	J-55
THDS.	EVE

SUCKER RODS N.A.		
DIA.	No.	FEET
TOTAL		

ITEM	FEET	JOINTS	MAKE	MODEL
KB.				
TBG.				
TOTAL				

Tools & String Make-up

PUMP	<input type="checkbox"/> ROD <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> HYDRAULIC
MAKE:	SIZE:
REMARKS:	

JUN 14 1982

REMARKS: \_\_\_\_\_