

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form Approved.  
Budget Bureau No. 42-21424

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

Jack A. Cole

3. ADDRESS OF OPERATOR

P.O. Box 191, Farmington, New Mexico 87499

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 870' FNL, 1740' FWL  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

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\* ☐  
(other) ☐

SUBSEQUENT REPORT OF:

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RECEIVED

OCT 29 1986

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

BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

5. LEASE

SF-078362

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Marcu "A"

9. WELL NO.

16

10. FIELD OR WILDCAT NAME

Lybrook Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

NENW  
Sec. 12-T23N-R7W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDS, AND WD)  
7020 GR 7032 KB

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.)\*

See Attached for Fracture Treatment Report

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NOV 05 1986

OIL CON. DIV.  
DIST. 3

ACCEPTED FOR RECORD

NOV 05 1986

FARMINGTON RESOURCE AREA

BY: *EGB*

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED *Dwight Blannett* TITLE *Superintendent* DATE *October 27, 1986*

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL IF ANY: \_\_\_\_\_

NMOCC

Formation Gallup Stage No. 1Date October 22, 1986Operator \_\_\_\_\_ Lease and Well Marcus "A" No. 16Correlation Log Type GR-CCL From 5674 To 5350

Temporary Bridge Plug Type \_\_\_\_\_ Set At \_\_\_\_\_

5561-5565 5605-5609 5628-5631 5639-5646

Perforations 5570-5578 5612-5616 5633-5636

2 Per foot type 3 1/8" Bull Jet-.50 dia.Pad Gelled Oil 10,000 gallons. Additives \_\_\_\_\_~~Water~~ Gelled Oil 27,700 gallons. Additives My-T-OilSand 72,000 lbs. Size 20-40Flush Lease Crude 3,713 gallons. Additives \_\_\_\_\_Breakdown 1,100 psigAve. Treating Pressure 1,600 psigMax. Treating Pressure 1,970 psigAve. Injection Rate 22.5 BPMHydraulic Horsepower 882 HHPInstantaneous SIP 1,390 psig5 Minute SIP 1,330 psig10 Minute SIP 1,320 psig15 Minute SIP 1,310 psig

Ball Drops: 25 Balls at 16,000 gallons 2 psig incre

\_\_\_\_\_ Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig incre

\_\_\_\_\_ Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig incre

Remarks: Balled off with 1000 gals. 15% HCL and 102 balls.

Formation Gallup Stage No. 2

Date October 22, 1986

Operator \_\_\_\_\_ Lease and Well Marcus "A" No. 16

Correlation Log Type \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Temporary Bridge Plug Type Baker-drillable Set At 5520

Perforations 5436-5448 5457-5461  
2 Per foot type 3 1/8" Bull Jet-.50 dia.

Pad Gelled Oil 10,000 gallons. Additives \_\_\_\_\_

~~Water~~ Gelled Oil 22,500 gallons. Additives My-T-Oil

Sand 53,000 lbs. Size 20-40

Flush 3,630 gallons. Additives \_\_\_\_\_

Breakdown 3,100 psig

Ave. Treating Pressure 2,200 psig

Max. Treating Pressure 2,400 psig

Ave. Injection Rate 21 BPM

Hydraulic Horsepower 1,132 HHP

Instantaneous SIP 1,930 psig

5 Minute SIP 1,700 psig

10 Minute SIP 1,650 psig

15 Minute SIP 1,600 psig

Ball Drops: 16 Balls at 14,000 gallons 100 psig  
 \_\_\_\_\_ Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig incre  
 \_\_\_\_\_ Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig incre

Remarks: Break down perforations through 4 1/2 casing. Ball off using 1000 gals. 15%  
HCL interspersed with 64 balls.