

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

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 "APPLICATION FOR PERMIT—" for such proposals.)

| | | |
|--|--|--|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER | | 5. LEASE DESIGNATION AND SERIAL NO. Contract No. 55-A |
| 2. NAME OF OPERATOR JACK A. COLE | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache |
| 3. ADDRESS OF OPERATOR P. O. Box 191 Farmington, N.M. 87401 | | 7. UNIT AGREEMENT NAME |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 790'FNL, 1850'FWL | | 8. FARM OR LEASE NAME Indian Bend |
| 14. PERMIT NO. | | 9. WELL NO. 5 |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7269'G.L. | | 10. FIELD AND POOL, OR WILDCAT Ballard Pictured Cliff |
| U. S. GEOLOGICAL SURVEY FARMINGTON, N. M. | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 36-T23N-R3W N.M.P.M. |
| | | 12. COUNTY OR PARISH Sandoval |
| | | 13. STATE N.M. |

RECEIVED

SEP 15 1981

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

| | | | |
|---------------------|--------------------------|----------------------|--------------------------|
| TEST WATER SHUT-OFF | <input type="checkbox"/> | PULL OR ALTER CASING | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> | MULTIPLE COMPLETE | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input type="checkbox"/> | ABANDON* | <input type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> | CHANGE PLANS | <input type="checkbox"/> |
| (Other) | <input type="checkbox"/> | | <input type="checkbox"/> |

SUBSEQUENT REPORT OF:

| | | | |
|-----------------------|-------------------------------------|-----------------|--------------------------|
| WATER SHUT-OFF | <input type="checkbox"/> | REPAIRING WELL | <input type="checkbox"/> |
| FRACTURE TREATMENT | <input checked="" type="checkbox"/> | ALTERING CASING | <input type="checkbox"/> |
| SHOOTING OR ACIDIZING | <input type="checkbox"/> | ABANDONMENT* | <input type="checkbox"/> |
| (Other) | <input type="checkbox"/> | | <input type="checkbox"/> |

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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 Fracture Treatment.



FOR: JACK A. COLE
18. I hereby certify that the foregoing is true and correct
ORIGINAL SIGNED BY
SIGNED EWELL N. WALSH President, Walsh Engr. &
Ewell N. Walsh, P.E. TITLE Production Corp. DATE 9/15/81
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

NMOCC

BY _____

Formation Cliffs Stage No. 1 Date 9/14/81

Operator JACK A. COLE Lease and Well Indian Bend 5

Correlation Log Type Gamma Ray From 2400' To 2905'

Temporary Bridge Plug Type NONE Set At _____

Perforations 2877'-2880'; 12 feet, 20 holes
-- Per foot type 3-1/8" Bull Jets

FOAM FRAC
Pad - Foam 6,000 gallons. Additives 2% KCL

Foam 45,000 gallons. Additives 2% KCL

Sand 84,000 lbs. Size 10-20

Flush - Foam 2,100 gallons. Additives 2% KCL

Breakdown 1600 psig

Ave. Treating Pressure 1300 psig Nitrogen 462,200 SCF

Max. Treating Pressure 1490 psig

Ave. Injection Rate 21 BPM

Hydraulic Horsepower 223 HHP

Instantaneous SIP 1270 psig

5 Minute SIP 1150 psig

10 Minute SIP 1150 psig

15 Minute SIP 1150 psig

Ball Drops: NONE Balls at _____ gallons _____ psig

_____ Balls at _____ gallons _____ psig

_____ Balls at _____ gallons _____ psig

Remarks: Ball off with 30 balls in 1000 gallons 7-1/2% HCL Acid

Walsh ENGINEERING & PRODUCTION CORP

