

(SUBMIT IN TRIPLICATE)

Indian Agency Jicarilla Apache

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Cont. #36

Allottee

Lease No.

Jicarilla

SUNDRY NOTICES AND REPORTS ON WELLS

| | |
|---|--|
| NOTICE OF INTENTION TO DRILL | SUBSEQUENT REPORT OF WATER SHUT-OFF |
| NOTICE OF INTENTION TO CHANGE PLANS | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF | SUBSEQUENT REPORT OF ALTERING CASING |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL | SUBSEQUENT REPORT OF REDRILLING OR REPAIR |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE | SUBSEQUENT REPORT OF ABANDONMENT |
| NOTICE OF INTENTION TO PULL OR ALTER CASING | SUPPLEMENTARY WELL HISTORY |
| NOTICE OF INTENTION TO ABANDON WELL | <u>Water Frac.</u> |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 10, 1959

Well No. 3-1 is located 900 ft. from [N] line and 902 ft. from [E] line of sec. 22

NE 1/4 Sec. 22
(1/4 Sec. and Sec. No.)

24N
(Twp.)

5W
(Range)

T.M. & T.M.
(Meridian)

Ballard Pictured Cliffs
(Field)

Blz Arriba
(County or Subdivision)

NEW MEXICO
(State or Territory)

The elevation of the derrick floor above sea level is 6000 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

9-6-59 Total depth 2523'. C.O.T.D. 2495'.
Water fractured Pictured Cliffs perf. int. 2410-2410; 2460-2460; 2475-2475
w/34,566 gallons water and 35,000 sand. MD pr. 3100', max. pr. 3100',
avg. tr. pr. 500-1000-1750'. I.H. 59.6 B.H. Flush 3000 gallons. 3 stages -
dropped 2 sets 25 balls each. Spotted 200 gallons MCA before perforating.
Used 1 1/2 Calcium Chloride in frac. water.

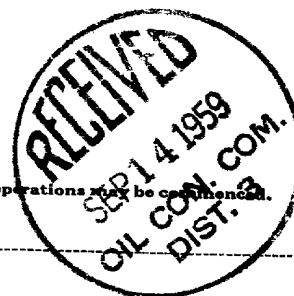
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company

Address Box 971
Paradise, New Mexico

By Original Signed R. G. MILLER

Title Petroleum Engineer

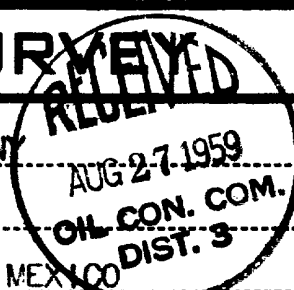




B. & R. SERVICE, INC.

TEMPERATURE SURVEY

COMPANY EL PASO NATURAL GAS COMPANY
WELL JICARILLA 3-A FIELD
COUNTY RIO ARriba STATE NEW MEXICO
SEC. *Ne Ne 22* TWP. 24N RGE. 5W



APPROX. TOP CEMENT 1580'

Survey Begins at 1000 Ft. Ends at 2467 Ft.
Approx. Fill-Up 100% Max. Temp. 84° AT 2467'
Log Measured From R.T. Run No. 1

| Casing Size | Casing Depth | Diam of Hole | Depth |
|---------------|--------------|--------------|-------|
| 4 1/2" from 0 | to 2523' | 7 7/8" from | to |
| from | to | from | to |

| | | | |
|-------------------|-----------------|--------------|---------|
| Date of Cementing | AUGUST 22, 1959 | Time | 5:00 PM |
| Date of Survey | AUGUST 23, 1959 | Time | 5:00 AM |
| Amount of Cement | 75 SKS REGULAR | Type | |
| Amount of Admix | | Type | |
| Recorded by | HATFIELD | Witnessed by | CAMP |

REMARKS OR OTHER DATA

TEMPERATURE IN DEGREES FAHRENHEIT

