

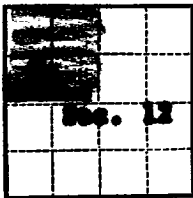
(SUBMIT IN TRIPLICATE)

Indian Agency Buena Vista

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Jicarilla

Lease No. _____



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 | <input checked="" type="checkbox"/> |
| 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 | | |

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

December 11, 1963

Jicarilla "T" No. 160

Well No. 4 is located 1675 ft. from N line and 1190 ft. from W line of sec. 12

NW/4 Section 12
(1/4 Sec. and Sec. No.)

23 North
(Twp.)

2 East
(Range)

NM
(Meridian)

La Alamos FC
(Field)

Rio Arriba
(County or Subdivision)

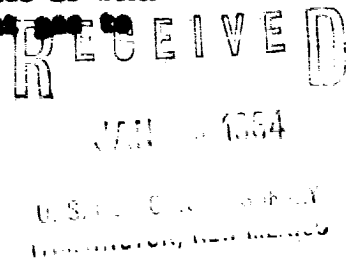
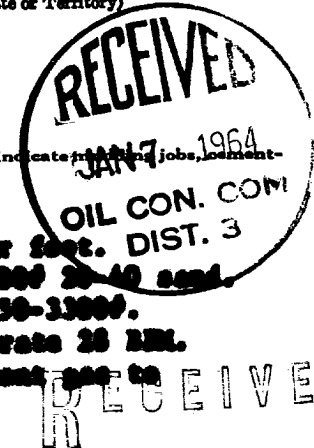
New Mexico
(State or Territory)

The elevation of the ground floor above sea level is 7441 ft.

DETAILS OF WORK

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

Cleaned out sand. Superficially 3160-3184' with one hole per foot. Frac treated down casing with 39,400 gallons water and 20,000 lb. sand. Pumped 500 gallons NM ahead of frac. Treating pressure 2650-31000. Instant shut-in 14000. 5 minute shut in 11000. Injection rate 20 BPM. Stuffed well down. Cleaned out sand. Well making insufficient gas to unload water. Shut-down.



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

Company Cher-Alon Oil Company

Address 1402 Denver U. S. National Center

Denver, Colorado

By

Richard S. Hunt

Title Mgr. of Lands & Explorations