

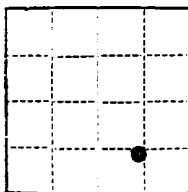
(SUBMIT IN TRIPLICATE)

Land Office Santa Fe, N. Mex.

Lease No. NM 011393

Unit _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



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 RE-DRILL OR REPAIR WELL..... | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR..... | |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE..... | SUBSEQUENT REPORT OF ABANDONMENT..... | |
| NOTICE OF INTENTION TO PULL OR ALTER CASING..... | SUPPLEMENTARY WELL HISTORY..... | X |
| NOTICE OF INTENTION TO ABANDON WELL..... | | |

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

July 14, 1964

Well No. 7-21 is located 1190 ft. from S line and 1450 ft. from E line of sec. 21

SE 1/4 of Sec. 21 27N 9W 100PM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Basin Dakota San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6302 ft. **KDB**
6290 **Ground Level**

DETAILS OF WORK

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

SEE ATTACHED WELL HISTORY.



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

Company Austral Oil Company Incorporated
Address 300 San Jacinto Building
Houston, Texas
77002
By R. Copeland
Title Drilling & Production Supt.

WELL HISTORY

WELL: Austral Oil Company Incorporated, Huerfanito (6213) #7-21

FIELD: Basin Dakota

DRILLING BLOCK: 62-13 AFE NO. 64-110

LOCATION: 1190' from the South Line and 1450' from the East Line of Section 21, T-27-N, R-9-W, San Juan County, New Mexico.

ELEVATION: GL: 6290'
KDB: 6302'

CONTRACTORS: Loffland Brothers, Tulsa, Oklahoma (Drilling)
Stone Drilling Inc., Farmington, New Mexico (Completion)

DRILLING SUMMARY: Well Drilled and cased to total depth on a turnkey basis.

5-29-64 Well spudded 1:15 PM. Set 10 Jts. of 8-5/8" surface casing at 327'.

6-09-64 Reached TD 6864'. Ran logs.

6-10-64 Set 215 Jts. of 4-1/2" production casing at 6864'. PBTD 6849'.

6-11-64 Rig Released 1:00 AM.

6-22-64 Rig on location 6:00 AM. Drilled DV tools at 2280' and 4662' Went in hole to 6849'.

6-23-64 Displaced hole w/1% CaCl water. Perforated 6576-593' and 6640-670' & 6709-729' & 6742-750' & 6772-790' (ES) w/2 Jets/foot.

6-24-64 Attempted to break down perforations selectively but experienced tool failures. Left a HOWCO retrievable bridge plug on bottom. Spotted 600 gals of BDA on Bottom. Fraced well w/100,000# of sand, 95,300 gals of water, 40 tons of CO₂ and 55 sealer balls dropped at appropriate intervals. Average injection rate of 45 B/min w/3500#. Flowed well on 2-2" lines to pit followed by flowing on the 5-1/2" blooie line.

6-25-64 Checked all perforations open and clear. Ran 213 Jts of 2-3/8" tubing for completion w/bottom suspended at 6547'.
RIG RELEASED 4:00 PM. Flowed well at a rate of 1600 MCF/Day w/560# FTP and 780# CP. Condensate recovering 21 B/MMCF.

7-3-64 After recording a 7 day SITP of 2048#, the well was flowed on a 3/4" choke at a rate of 4160 MCF/Day w/337# FTP and 836# CP. Calculated absolute open flow of 4779 MCF/Day.

TUBING RECORD:

2-3/8" TUBING SETTING

| | | |
|----------------|--|-----------------|
| 1 Jt | 2-3/8", 4.7#, N-80 tubing, 8R | 30.50 |
| 1 | 2-3/8", Otis position #1 landing nipple, 8R | 0.76 |
| 212 Jts | 2-3/8", 4.7#, N-80 tubing, 8R | 6505.20 |
| 1 | Cameron type "FB-B" tubing hanger | 0.90 |
| <u>213 Jts</u> | | <u>6537.36</u> |
| 213 | Top of tubing to KDB | 10.00 |
| | Bottom of tubing suspended w/respect to KDB at | <u>6547.36'</u> |

Huerfanito (6213) #7-21

Well History
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| <u>LOGGING RECORD:</u> | <u>Company & Type of Log</u> | <u>Interval</u> | <u>Date</u> |
|------------------------|--|-----------------|-------------|
| #1 | Welex I-ES | 327-6859' | 6-9-64 |
| #1 | Welex Acoustic Velocity Log | 2150-6845 | 6-9-64 |
| #1 | Welex Fracture finder | 6450-6845' | 6-9-64 |
| #1 | Welex Gamma-Collar perfora- ting record | 6200-6847 | 6-23-64 |