

(SUBMIT IN TRIPLICATE)

Indian Agency _____

UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYAllottee Navajo TribalAllottee NavajoLease No. Contract 734Tract 77

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	<input type="checkbox"/>
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	<input type="checkbox"/>
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	<input type="checkbox"/>
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	<input type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	<input type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL	Report of perforations	<input checked="" type="checkbox"/>
	Report of drill stem tests	<input checked="" type="checkbox"/>

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

NavajoMay 25, 1954

Well No. 2 is located 1200 ft. from N line and 1200 ft. from W line of sec. 20
1/4 Section 20 (1/4 Sec. and Sec. No.) 20N (Twp.) 20E (Range) N. M. P. M. (Meridian)
Unincorporated (Field) Navajo (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)

Run Straddle Packer for D.S.T. No. 12 with bottom of top packer set at 7000', top of bottom packer set at 7000'. Tool open 2 hrs., slight blow air throughout. Packed & run, 100' slightly gas-out mud. Initial and final pressure 0 - 10/min shut in 2424. Plugged back to 4900'.

Run 1 1/2 in. 5-1/2" 146 casing, set at 4678' with Halliburton two-stage tool set at 2000'. Cemented bottom with 200 sha. cement. Set for 7 hrs. run temperature survey, found top at 4340'. Opened two-stage tool & cemented with 200 sha. 4 1/2 equal.

Perforated 5-1/2" cas. 4442'-4440', w/4 bullets per foot for a total of 78 shots. Run D.S.T. No. 13 with packer set at 4400' to test perforations.

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

Company SMITH OIL COMPANYAddress Box 426,Farmington, New MexicoBy P. E.Title District Engineer

$$H_1 = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{pmatrix}, \quad H_2 = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 0 \end{pmatrix}, \quad H_3 = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix}$$
