Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Jicarilla Indians
Lease No. Contract #77
Unit Tract #155, T-23-N R-5-W
Sections 9,10,15, & 16

Humble No. 160396

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	
NOTICE OF INTENTION TO ABANDON WELL		Subsequent report of plugback, sand fracture, and acidizing	X

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

Jicarilla Apache Tribe
of Indians

October 6, 1954

Well No. 1 is located 990 ft. from {N/S} line and 1140 ft. from {E/W} line of sec. 15

NW/4 of NE/4 of Sec. 15 (¼ Sec. and Sec. No.) 23-N (Twp.) 5-W (Range) NMPM (Meridian)

Jicarilla Wildcat (Field) Rio Arriba (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 6864 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)

9-15-54: Set 1 Baker C.I. bridge plug at 6625 and 1 Baker C.I. bridge plug at 5828. Perforated 5-1/2" casing with Lane Wells "A" gun from 5746 to 5772 with four shots per foot. Ran 2" tubing, Hookwall R.H. packer and holddown, 5737', set at 5748, packer set at 5714'.
9-16-54: In five hour swab test produced heavily oil & gas cut mud at rate of 2 barrles per hour. Washed perforations from 5746 to 5772 with 250 gallons Dowell mud acid. In five hour swab test produced heavily oil & gas cut mud at rate of 2 barrels per hour.
9-17-54: Swabbed 24 hours at rate of 2 barrls per hour. Shake-out 85% B.S., 75% water. Chloride content 20,000 PPM.
9-18-54: Swabbed 24 hours. Last 20 hours swabbed 12 barrels oil and 24 bbls. water.
9-19-54: Treated formation thru perforations 5746-5772 with 6000 gallons Dowell Petrofrac thru 2" tubing. Breakdown pressure 2200#. Maximum pressure 3100# at

(continued on attached sheet)

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

Company Humble Oil & Refining Company

Address Box 2347
Hobbs, New Mexico

By [signature]

Title District Superintendent

OIL CON. COM. DIST. 3 OCT 11 1954

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2.6 barrels/minute. Minimum pressure 2200# at 5 barrels/minute. Final pressure 800#. Job complete at 4:56 A.M., 9-19-54.

9-20-54: Opened well at 8:00 A.M., 9-20-54, shut in pressure 800#. Bled down in 10 minutes. Flowed 34 barrels and died. Flowed and swabbed 120 barrles, 5% BS&W in 20 hours. Last 4 hours swabbing off bottom at rate of 3 barrels per hour.

9-21-54: Swabbed 24 hours and produced 43 barrels oil and 5 barrels water.

9-22-54: Shut well in 2 hours and it built up 5# pressure. Swabbed 11 hour and recovered 11 barrels, 1% BS&W. Gravity 47.2° at 70° F. Chloride content of water 21,000 PPM. Treated with 1050 gallons kerosene. Flushed with 16 barrels oil. Injection pressure 1400#. Shut in pressur 800#. Bled off pressure slowly. Flowed 6 barrels. Five hours swabbing well, flowed and swabbed 33 barrels, 3/4 of 1% BS&W. Last hour swabbed three barrels.

9-23-54: Swabbed 24 hours and recovered 16 barrels oil and 6 barrels water. Last 3 hours swabbed 1/2 barrel per hour.

9-24-54: Swabbed 24 hours and recovered 9 barrels oil and 7 barrels water.

9-26-54: Two days report: swabbed 6 hours and recovered 1-1/2 barrels oil and 1-1/2 barrels BS&W. Pulled tubing, ran Baker Model K retainer set at 5739. Squeezed perforations 5746 to 5772 with 100 sacks neat cement. Squeeze pressure 3100#. Reversed 9 sacks cement. Job complete 6:45 A.M., 9-26-54. Perforated 5-1/2" casing with Lane Wells "B" bullet gun from 5721 to 5732and from 5674 to 5707, 4 shots per foot. Ran tubing, Howco H.M. packer and holddown, 5686, set at 5695', packer set at 5656'.

9-27-54: Washed perforation 5674 to 5707 and 5721 to 5732 with 500 gallons mud acid. Pumped 200 gallons in formation. 2700# pressure to pump into formation. Final pressure 750#. Swabbed well dry. Last 14 hours ran swab every 2 hours. Recovered 1/2 barrels water with trace of oil .

9-28-54: Howco oil frac with 6000 gallons oil and 4000# sand. Maximum pressure 2800#, minimum pressure 2400#. Minimum pressure obtained after all sand in hole. Final pressure 2200#. Injection rate 5.9 barrels per minute. 1100# held on casing during treatment. Used 68 barrels lease crude to flush. Job compete at 5:30 A.M., 9-28-54. Shut well in. Pressure 2200#. After 1 hour pressure 1100# on tubing.

9-29-54: Shut in pressure 900#. Bled off pressure at 8:00 A.M. 9-29-54. Flowed 3 barrels and died. Swabbed 10-1/2 hours and recovered 86.84 barrels load oil. Last 5 hours swabbed 3/4 barrerls per hour, 7% B.S.

9-30-54: Swabbed 24 hours and recovered 35.07 barrels, 90% BS&W. Chloride 6000 PPM. Last five hour swabbed at rate of 3/4 barrels per hour.

Humble Oil & Refining Company

Box 2347

Hobbs, New Mexico

By M M Ryan

Title District Superintendent

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