



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R338.4
Approval expires 12-31-60.
Land Office NEW MEXICO
Lease No. NA 040750-1
Unit 1

RECEIVED

FEB 20 1963

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	<u>Leaking well (Fract)</u>	<u>1</u>

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

February 14, 1963

Well No. 1 is located 1220 ft. from N line and 2035 ft. from E line of sec. 33

33 Sec. 33 15 20 N. 100° E.
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
County Jack - San Andres Chaves New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3745 ft.

DETAILS OF WORK

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

11-23-62 Swabbed well dry then fraced with Halliburton in the open hole interval 3077 to 3115 as follows. Formation breakdown 26000, pump pressure 18000 while pumping gelled salt water and sand into formation at rate of 30.9 bbls. per min. Used 4,0000 non-radioactive sand and 23,560 gallons (600 bbls) gelled salt water. Shut in pressure after 20 minutes 9000.

11-29-62 Pressure on casing 7:30 A.M. 6000. Shut off pressure and gelled salt water to storage tanks. Ran 2-3/8 tubing and began swabbing 3:00 P.M.

11-30-62 Swabbed and flowed total of 176 bbls. frac fluid to storage tanks. Well began showing after 350 bbls. recovered - 207 bbls frac fluid to recover.

12-1-62 Swabbed 139 bbls averaging 30 to 40% oil with fairly good gas volume.

12-2-62 Swabbed 150 bbls salt water and 42 bbls oil in 24 hours.

12-3-62 Swabbed 36 bbls salt water and 18 bbls oil in 13 hours.

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

Company Max Gray

Address 2407 First National Bldg.

Oklahoma City 2, Okla.

By Harold Pickering

Title Geologist-Agent

12-4-62 Pulled tubing - Delex ran ring gauge then set Baker cast iron bridging plug in a 4-1/2" casing at 3060'. Perforated 116 holes in the interval 3013 to 3050'. Halliburton fraced through perforations as follows: Ran 500 gallons 15% H.C.A. acid across perforations. Formation broke 3500#, pumped in at pressure of 2100# pumping rate 32 bbls. per minute. Used 25,000# of radioactive sand and 24,700 gallons (538 bbls.) gelled salt water. Shut in pressure 800# after 30 minutes.
12-5-62 Bleed off 200# pressure - Ran sand pump until 1:00 P.M. - Ran Delex radioactive tracer log - Ran tubing and began swabbing 5:30 P.M.
12-6-62 Swabbed and flowed 238 bbls. to stock tanks - 233 bbls frac fluid to recover.
12-7-62 Swabbed 87 bbls. frac fluid no oil showing, 196 bbls. frac fluid remain in formation. Pulled tubing. Drilled out cast iron bridge plug at 3060'. Cleaning out open hole with sand pump at 3102'.
12-8-62 Lost sand pump in hole - fished out 9:30 A.M. - Cleaned out remaining open hole to total depth 3115'. Ran second Delex radioactive tracer log - good results.
12-9-62 Ran tubing, pump, rods to put on electric pumping unit.
12-10-62 Waiting on pumping unit.