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(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe, N.M.
Lease No. SF 07306A
Unit Carson Unit

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

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			

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

February 24, 1960

Well No. 31-13 is located 660 ft. from N line and 1960 ft. from E line of sec. 13
NE 13 25N 12W N.M.P.M.
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Disti San Juan New Mexico
 (Field) (County or Subdivision) (State or Territory)

Kelly Rushing

The elevation of the ~~drill floor~~ above sea level is 6370 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)

- 1-9-60 Ran and cemented (5015) of 4-1/2", 9.5", J-55 casing at 5024' with 150 sacks, 220 cu. ft. Portland cement treated with 4% gel. Surface Temperature 100°F, formation temperature 120°F. Estimated strength after 12 hrs., 1300 psi displaced with oil. Held 1300 psi, OK.
 1-10-60 Perforated four 1/2" holes/ft. 4873-94, 4901-14, 4939-43, 4956-63.
 1-11-60 Spotted 200 gal. mud acid. Sand oil fractured with 50,000 gal. crude, 1/2 gal. sand, 150 balls. Maximum pressure 2300 psi average rate 32 bbls/min.
 1-15-60 Bailed frac sand from 4940 to TD (5025). Ran tubing 2-3/4" to 4390', rods and pump.

(over)

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

Company Shell Oil Company

Address Post Office Box 153

Farmington, N. M.

Original signed by
B. W. SHEPARD

By R. S. MacAlister, Jr.
Title Division Exploitation Engineer

1-16-60 Pumped and recovered all load and frac oil, 1493 bbls. frac oil.
TO
2-5-60

INITIAL PRODUCTION

Pumped 36 B/D gross, 35 B/D clean, 272 MCF/D gas, GOR 3200,
completed 2-6-60.