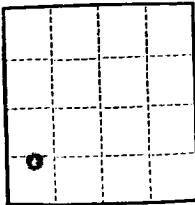


Form 9-331a
(Feb. 1961)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 07655A
Unit _____

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>Subsequent Report of Fracturing</u>	<u>XX</u>

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

Astec, New Mexico June 1, 1959

Well No. 41 is located 990 ft. from S line and 990 ft. from W line of sec.

Section 30 (1/4 Sec. and Sec. No.) 30N (Twp.) 10W (Range) N.M.P.M. (Meridian)
Blanco (Field) San Juan (County or Subdivision) New Mexico (State or Territory)

The elevation of the ground above sea level is 6104 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)

WORKOVER: 5/12-11/59. Moved in Gardner Bros. Gas rotary; fished for 1.9" tubing, recovered 140 jts; left 19 jts. in hole; left top of riser at 4755', set Baker retrievable packer at 4427'; squeezed 200 sack regular cement, 1 1/4 sand, 1 1/2 sack tuff plug to final pressure of 2400'; set whipstock at 4009'; drilled 4 1/2" hole to 5480' w/gas; ran 7", 10 1/2", J-55 liner from 4498 to 5480, cemented w/100 sack regular cement, 50-50 pozzin, 12 1/2 Gileonite, 2 1/2 gal; tested liner to 2400', as top squeeze needed; cleaned out to 5480' of 5 1/2" w/4 1/2" bit; perforated Pt. Lookout w/1/2 glass jets/foot by McCullough, 1163-39, 1192-213, 5231-22, 2203-203, 2331-31, 2341-24, 2401-11, 2491-91. Fracced Pt. Lookout w/1/2, 200 gal water + 100-barrel flash, 20,000' sand, dropped 50 balls after 1 1/2 treatment, 30 balls at 200' treatment, 10 balls at 400' treatment; balled out at 400', released pressure and changed flow and flash. General injection rate, 21-22 MFPD and two 20-25 MFPD. Set Baker bridge plug at 4400'; perforated Cliff House w/1/2 glass jets/foot; 1712-1804, 1812-1812, 1812-1812. Fracced Cliff House with 20,000' sand + 100-barrel flash, 20,000' sand, using two 100-barrel flash tanks each at 20 minute intervals w/good breakdowns with balls; treating pressure from 1150' to 1700' maximum pressure on flash; injection rate 56 MFPD. Unloaded Cliff house drilled bridge plug, cleaned up Pt. Lookout, ran 75 jts. HME, 4.7 1/2 new tubing to 5388'. Top of tubing perforations at 5334' from KB. Released rig at 6:30 P.M., 5-31-59; tore down and moved off. Well on production 3:10 P.M. 6-1-59. Choked volume, 2130 MFPD.

THESE RESULTS WERE OBTAINED FROM A STUDY OF THE EFFECTS OF
VIBRATION ON THE PERFORMANCE OF A GROUP OF SUBJECTS WHOSE
TASK WAS TO DISCRIMINATE BETWEEN TWO DIFFERENT TYPES OF
VIBRATION. THE RESULTS SHOWED THAT THE SUBJECTS WHO WERE
EXPOSED TO VIBRATION WERE ABLE TO DISCRIMINATE BETWEEN THE
TWO TYPES OF VIBRATION WITH A HIGH DEGREE OF ACCURACY.