



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office San Juan

Lease No. 55-1-1-1

Unit SE 1/4 Sec 13, T-2N, R-10W, P.M.P.M., San Juan County, New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	XX
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	XX
NOTICE OF INTENTION TO ABANDON WELL		

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

Well No. 413 is located 220 ft. from N line and 110 ft. from W line of sec 13
SE 1/4 Sec. 13 (1/4 Sec. and Sec. No.) 10W (Twp.) 2N (Range) N.M.P.M. (Meridian)
Astex-Weathered Cliffs (Field) San Juan (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 5122 ft.

DETAILS OF WORK

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

1. Mud drilled hole to T.B. of 2100'.
2. Ran 59 jts. 5 1/2" J-55, 15.5# csg. on Jan. 10, 1960-Landed at 2100' R.K.B. Cmtd. w/156 cubic ft. 2090 Manual Cmt. and 140 ex bit seal cement.
3. Cleaned out hole to T.B.T.D. of 2061 R.K.B.
4. Perf. 4 shots/ft. 1927-2052-Sand water frac perf. w/100,000# sand, 55,000 gal. water
5. Set 5 1/2" manganese bridge plug at 1900 R.K.B.
6. Perf. Fruitland formation 4 shots/ft. frm. 1856-1827-Sand water frac perf. w/30,000# sand and 41,500 gals. water.
7. Clean hole to manganese bridge plug @ 1900-Dr. Fruitland production (non-productive)
8. Sq. Fruitland perf. 1827-1856 w/100 ex reg. cmt. on Jan. 22, 1960-Standing squeeze pressure 1500psi
9. Cleaned out hole to bridge plug at 1900-Press. up on Fruitland sq. perf. to 1200 psi Pressure held.
10. Drilled bridge plug and cleaned out to P.B.T.D. of 2061 R.K.B.
11. Ran 66 jts. of 2 1/2" E.O.S., 4.7# csg. on Jan. 26, 1960-Landed at 1990' R.K.B.

Company SOUTHERN UNION GAS COMPANY

Address P.O. Box 815

Lawson, New Mexico

By James R. Rine

Title Drilling Superintendent