

(SUBMIT IN TRIPLICATE)

Land Office Santa FeLease No. 077974

Unit _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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	X
NOTICE OF INTENTION TO ABANDON WELL		

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

June 3, 1959

Lodewick
Well No. 3 is located 910 ft. from W line and 790 ft. from W line of sec. 18

SW SW 18

(1/4 Sec. and Sec. No.)

27N

(Twp.)

9W

(Range)

NMPM

(Meridian)

Angels Peak Dakota

(Field)

San Juan

(County or Subdivision)

The elevation of the derrick floor above sea level is 6620 ft.

DETAILS OF WORK

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

Total depth of 7160' was reached on 5-17-59.

Ran Schlumberger E.S. Induction, Gamma Ray & Sonic logs to T.D.

Ran 215 jts. 7162.56' of 5 1/2" O.D. 361.82' - 17#, and 6800.74' - 15.5# set @ 7180'.

D.V. Tool set @ 2678.89'. First stage cemented w/300 sx. Diamix. Plug down 2:40 p.m. 5-19-59. W.O.C. 4 hours. Ran temp. survey. Top cement 6230'. Cemented 2nd stage w/100 sx. Diamix. Plug down 9:40 p.m. 5-19-59. Ran temp. survey. Top cement 2230'. W.O.C. 72 hours. Drilled out D.V. and cement to 7160' P.B. depth. Displaced mud w/water. Ran Welox Gamma Ray Neutron log to 7160'. Perforated 7102-7125' w/4 jets /ft. Attempted to frac w/water. Formation broke at 3500#, pumped in @ 3200#. No break. Started sand @ 1#/Gal. Gradual increase in pressure. Stopped sand. Attempted to flush, screened out. Total water 420 bbls, total sand 7800#. Injection rate 30 BPM. Ran tbg, reversed out sand. Perforated 7077-84, 7089-95 w/4 jets per ft.

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

Company Three States Natural Gas CompanyAddress P. O. Box 67Farmington, New MexicoBy Original Signed By John CarothersTitle Assistant District Supt.

Set Baker retrievable bridge plug @ 7097'. Attempted water frac. Pumped in @ 3000#, started sand at 1/2#/gal. No increase in pressure w/sand on formation. Increased to 1#/gal. Pressure increased to 3400 psi when sand hit formation. Stopped sand. Attempted flush. Screened out w/40 bbls flush to go. Average injection rate 30 BPM. Total sand into formation 7000#. Ran tbg and reversed out sand. Pulled bridge plug up and reset @ 7070'. Perf. 7016-38' w/4 jets per ft. Frac w/40,000 Gal. water, 20,000# sand. Pumped in @ 2600#, No breakdown. Added sand at 1/2#/Gal. No increase with sand on formation. Flushed w/200 bbls water. Injection rate 55 BPM. Final pressure 2900#. Total frac water 12,000 bbls. Ran 2" w/Baker packer set @ 7070'. Frac perf. 7077-7125. Pumped in @ 4300#, no breakdown. Started sand at 1/2#/Gal. Pressure gradually dropped to 4100# then slowly increased to 4700#. Stopped sand. Flushed w/40 bbls water. Final pressure 5300#. Fluid broke into annulus above packer. Lost 10 bbls of flush. Injection rate 5/bbls/min. Total sand into formation 3800#. Pulled packer and left bridge plug in hole. Ran 230 jts. 2" EUE 4.7# tbg, 1-4' perf. nipple set @ 7083.77'. Swabbed well in and released rig @ 7 a.m. 5-28-59. Well shut in for gauge.