



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R368.4
Approval expires 12-31-60.

Land Office Santa Fe
Lease No. SF 078476
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	Subsequent Report of Perforating and Formation Fracturing

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

3-24, 19 59

Well No. 4 is located 1644 ft. from N line and 800 ft. from EX line of sec. 14

NW 1/4 14 27-N 8-W NMPM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
So. Blanca Pictured Cliffs San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~driveway~~ ground above sea level is 5979 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)

Perforated 5 1/2" casing from 2215-44' & 2256-72' w/4 jet shots/ft. Treated well w/60,000# of 20-40 mesh sand and 33,450 gallons water in two stages as follows:
1st Stage - 32,000# sd @ 1.8#/gal: Broke down formation w/2750# w/200 gals mud acid ahead. Treated w 1600-1700#.

Injected 87 ball sealers.
2nd Stage - 28,000# sd @ 1.8#/gal: Broke down formation w/3250#. Treated w 1550-1800#. Flushed w/2400 gals wtr. Overflushed w/210 gals. Avg injection rate was 59.9 BPM. After flowing & cleaning well approx 39 hrs, measured volume w/pitot tube w 3006.4 MCFPD. Set 80 jts of new 1" nominal, 1.7# Blk R.W. line pipe @ 2257'. Well shut-in waiting on Initial Potential Test.

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

Company WESTERN NATURAL GAS COMPANY

Address 211 1/2 West Main
Farmington, New Mexico

By Calvin M. Rayne
Title Petroleum Engineer

