



(SUBMIT IN TRIPLICATE)

 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

 Land Office Santa Fe
 Lease No. SE - 978096
 Unit 5/3 Sec. 17

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 Well Stimulation I

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

September 7, 1960

Delhi-Nudge
 Well No. 4 is located 600 ft. from (N) line and 1090 ft. from (E) line of sec. 17
SE/4 Sec. 17 S1N 11W R5N
 (¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Unden. Dakota San Juan New Mexico
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6033 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)

After 3-1/2" cas. was run w/over rig was moved in. Perforated 4 hole spacers bet at 7600' w/packer at 7600'. Perforations squeezed at 7600' w/150 and 50/50 permix w/61 gal. & 12-1/2" oilamide per cu. Temperature survey top at 6200'. Perforated 7282-84, 7280-84, 7284-84, 7282-84 w/6 jets per ft. Frac w/34,000 gals water, 18,000# sand, pressures 3400-3600, IR 48.5 BPM, dropped 72 balls, set plug at 7282, tested casing to 4000# ok. Perforated 7184-84 w/6 jets per ft. and frac w/40,000 gals water, 8100 gals flush, 20,000# sand, pressures 3000-4000# IR 36 BPM, set plug at 7184, tested casing to 4000# ok. Perforated 7122-42, Frac w/70,000 gals water 8000 gals flush, 61,000# sand, pressures 2800-4100# IR 44.6 BPM, set plug at 7122, tested casing to 4000# ok. Perforated 7072-84, 7062-72, 7044-84. Frac w/30,000 gals water 30,000# sand, treating pressure 3200# IR 40 BPM, dropped 84 balls. Drilled plugs and CD to PWD 7150, landed 2-3/8" tubing at 7122, set down tree SE and blowing to clean up and test.

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

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 By J. E. Howell
 J. E. Howell
 Title District Superintendent