

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. S.F. 079352-A
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.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

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

September 21, 19 61

Harrington-Federal

Well No. 4 is located 1550 ft. from AN line and 990 ft. from E line of sec. 29

8E/4 - 29
(1/4 Sec. and Sec. No.)

24 North 1 West
(Twp.) (Range)

NADPM
(Meridian)

Undesignated
(Field)

Rio Arriba
(County or Subdivision)

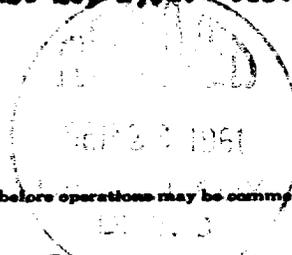
New Mexico
(State or Territory)

The elevation of the ~~surface~~ ^{ground} floor above sea level is 7396 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)

Subject well spudded April 23, 1961. 8 5/8" casing set at 105' and cemented with 75 sacks. T.D. of 3164' reached April 29, 1961. 4 1/2" casing was set at 3160' and cemented with 100 sacks. On July 15, 1961 the Pictured Cliffs was perforated 3127-3132 with 20 holes, and 3138-3144 with 24 holes. We fraced with 22,000# sand and 34,000 gallons water. Breakdown pressure 800#. Treatment pressure 1400#. Injection rate 48 BPM. Ran 1" tubing to 3123'. Cleaned up well, ran 3 hours, Back pressure test August 26, 1961. Test 3168 MCFD. Charts attached. Well shut-in, no pipeline. Water sand 2780 to 2972.



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

Company SHAR-ALAN OIL COMPANY
Address 1402 Denver U.S. National Center
Denver, Colorado

Send approval to:
By Richard S. Hunt
Title Mgr., Lands and Exploration
Box 1428, Durango, Colorado