



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency _____

Allottee Alotted
14-20-603-1283
Lease No. _____

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS APR 11 1960

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	U. S. GEOLOGICAL SURVEY
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	FARMINGTON, NEW MEXICO
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING 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 Completion I	

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

April 6, 1960

Carson Unit
Well No. 31-18 is located 660 ft. from N line and 1980 ft. from E line of sec. 18
NW SE 18 25N 11W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Bisti San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

Kelly Rushing
The elevation of the Artesian above sea level is 6404 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)

- 2-5-60 Ran and cemented (5058') 4-1/2", 9.5#, 3-55 casing at 5067' with 150 sacks, 220 cu. ft. Portland cement treated with 4% gal. Surface temperature 190° F., formation temperature 120° F. Estimated strength of cement after 12 hours, 1300 psi. Displaced with oil, held 1500 psi, 0.1.
- 2-6-60 Perforated four 1/2" bullet holes/ft. 4920-65, 4988-98, 5004-14, 5020-30.
- 2-9-60 Spotted 200 gal. solvent. Sand oil fractured with 50,000 gal. crude, 1#/gal. sand, 180 balls, average injection pressure 3000 psi, average rate 26.3 bbls./min.
- 2-10-60 to Bailed frac sand. Ran 2-3/8" tubing to 4920, ran rods and pump.
- 2-11-60

(OVER)

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

Company Shell Oil Company

Address Post Office Box 158

Farmington, New Mexico

Original signed by
E. W. SHEPARD

By E. W. Shepard
Title Exploitation Engineer

2-12-60

to

3-22-60

Pumped and recovered all load and free oil, 1524 bbls.

3-23-60

INITIAL PRODUCTION

Pumping 12 B/D gross, 12 B/D clean, cut 0.1%, 56 SCF/D
gas, GOR 4670. Completed 3-23-60.

