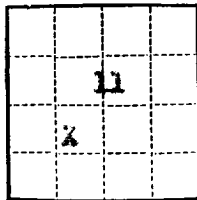


(SUBMIT IN TRIPLICATE)

Land Office Santa Fe, N.M.

Lease No. ST 078067

Unit Carson 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	X
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	Completion (well)	X

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

December 18, 1959

Carson Unit  
Well No. 23-11 is located 1980 ft. from N line and 1977 ft. from E line of sec. 11

11-23-59 (1/4 Sec. and Sec. No.) 25 (Twp.) 12 (Range) 1 (Meridian)  
11-23-59 (Field) San Juan (County or Subdivision) New Mexico (State or Territory) DEC 23 1959

The elevation of the Kelly Bushing above sea level is 6265 ft.

U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO

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)

- 11-23-59 Ran and cemented (4929') 4-1/2", 9.5#, J-55 casing at 4938' with 150 sacks, 220 cu. ft. Portland cement treated with 4 gal. Surface temperature 300° F., formation temperature 120° F. Estimated strength of cement after 12 hrs., 1300 psi. Displaced with oil. Final pressure 1800 psi, OK.
- 11-24-59 Perforated four 1/2" jet holes/ft 4800-4819, 4825-4830, 4872-4884, 4890-4904.
- 11-25-59 Spotted 200 gal. mud acid. Sand oil fractured with 30,000 gal. crude, 1.66 gal./gal. sand and 150 balls. Maximum pressure 2400 psi, average injection rate 31 bbls/min.
- 11-27-59 Cleaned out frac sand. Ran tubing to 4820'. Ran casing to 4820'.
- 11-28-59 to 11-28-59
- 11-29-59 Pumped and recovered all load and frac oil, 1600 bbls.
- 11-29-59 to 12-9-59

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

Company Shell Oil Company

Address P.O. Box 158

Farmington, New Mexico

Original signed by  
R. W. SHEPARD

By \_\_\_\_\_

Title R. W. Shepard  
Exploitation Engineer

12-10-59 INITIAL PRODUCTION  
Pumped 208 g/g gross, 202 g/g clean, cut 0.2%, 311 g/g gas,  
GRI 1900, completed 12-10-59.

