

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Las Cruces
Lease No. 062384
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 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	

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

September 14, 19 50

Well No. 4 is located 660 ft. from N line and 1260 ft. from E line of sec. 13

Sec. 13 26S 37E T.M.P.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
So. Leonard (Est.) Leon New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3,000 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)

This well was drilled to a TD of 3998' and bottomed in sandy lime which carried 1 1/2 GPM of sulphur water. A show of gas was encountered from 3571-75' with an increase in gas at 3435'. A show of oil was encountered at 3412-17' and approximately 4 BOPD was drilled at 3429-35'. This oil decreased to approximately 1/2 BPD in the next 4 days. Lime was drilled from 3429-3645' and brown and green shales from 3645-3680'. We then went back into lime at 3680-3996'.

The well was plugged back to 3974' with 250# lead wool and a wood mandrel type limit plug was placed from 3974-70' with 150# lead wool driven on top of the plug. We then plugged back from this point to 3756' with 40 sacks of cement. We are now waiting for the cement to set up in order to test for a water shut-off. We will be ready to make the test September 15th. If the shut-off is successful, we plan to shoot the well from 3425-3481' with approximately 180 quarts of nitroglycerine (over)

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

Company Leonard Oil Company

Address P. O. Box 872
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By Emmott D. White
Title Vice-President