



(SUBMIT IN TRIPPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Las Cruces  
Lease No. 060507  
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
NOTICE OF INTENTION TO ABANDON WELL	<u>Subsequent Report on Plugback, Perforate, Treat and Test.</u>

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

B. Love (Federal) No. 1 \_\_\_\_\_ March 7, 19 59

Well No. 1 is located 660 ft. from S line and 1980 ft. from W line of sec. 83 1/4 Sec. 8  
(1/4 Sec. and Sec. No.)2  
(Twp.)30  
(Range)G.M.  
(Meridian)Wildcat  
(Field)Doña Ana  
(County or Subdivision)New Mexico  
(State or Territory)The elevation of the derrick floor above sea level is 4124 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)

Spotted 100 sacks regular neat cement from 5450' to 5500', 100 sack plug from 6450' to 6600', 100 sack plug from 5100' to 5350'. Job completed at 3 PM 1-23-59. Ran 21 joints of 5-1/2" 15.5# 4-65 casing liner with Brown liner hanger and shoe. Total 681.35' set at 5100' 410' top of liner at 4419.65'. Used 6 centralizers. Cemented liner with 225 sacks of neat cement. Plug down to 5100' at 11 AM 1-24-59. RO 24 hours. Test 5-1/2" liner with 1000# for 30 minutes OK. Perforated San Andres formation with 4 jet holes per foot from 4908-4962 GR-A log. Ran 2-1/2" 4-80 tubing and swabbed well dry. Acidized with 1000 gals 15% HCl. Max press 3200#. Swabbed dry at 3 PM 1-24-59. Swabbed 32 BW and 20 BAW. In 12 hrs swabbed 12 bbls of sulphur wtr. Acidized with 10000 gals of 15% HCl acid at 7.9 BPP, max treating press 3700#. Flowed back 78 BAW. In 23 hours swabbed 354 BAW and sulphur water with a trace of oil. Ran 20000 lb cement retainer set at 4894' and squeezed perforations 4913-4962 with 125 sacks of neat cement. WOC. Press up  
(continued on back)

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

Company The Atlantic Refining CompanyAddress P.O. Box 1610Midland, TexasBy J. L. Mills J. L. MillsTitle Regional Drilling Manager

on perforations with 4200# and formation failed to take fluid. Perforated San Andres from 4858-4890 CR-X with 4 jet shots per ft. Swabbed well dry. Acidised with 1000 gals of acid at 4 BPM, treating press 1950#. Swabbed back load plus 4 bbls of fluid. Acidised with 5000 gals of 15% acid at 7.1 BPM, treated at 2600#. Swabbed 149 bbls of 150 bbl load. Acidfraced perfs 4858-4890 with 10000 gals and 10000# at 10 BPM. Swabbed well recovering 188 bbls of 236 bbl load. Last 8 hrs rec 13 BF (shalecuts 20% oil and 80% SW). Released rig and shut well in. Rigged up swabbing unit and began testing. In 7 hrs on 3-4-59 swabbed 60 BF (35 to 60% oil) and in 5 hrs recovered 40 BF (90% oil and 10% wtr). Released unit and turned well to Production for further testing and reports.

RECEIVED

MAR 12 1959

MIDLAND R & P