



(SUBMIT IN TRIPLICATE)

Land Office

Lease No. LC-060945UNITED STATES **HOBBS OFFICE OCC**
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

1961 JUN 13 PM 1:06

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>Perforating and treating Tubb/Drinkard</u> <u>and running completion assembly</u>

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

Carlson Federal "A" No. 1

June 9

19 61

Well No. 1 is located 1980 ft. from SW line and 330 ft. from E line of sec. 23SE/4 Sec 23

(1/4 Sec. and Sec. No.)

25 S

(Twp.)

37 E

(Range)

NMPM

(Meridian)

Justis

(Field)

Lea County

(County or Subdivision)

New Mexico

(State or Territory)

The elevation of the derrick floor above sea level is _____ 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)

Worth Wells perforated Tubb formation from 5770-84' with 2 jet shots per foot. Set Baker full bore cementer at 5710'. Spotted 250 gallons mud acid. Broke down formation with 2900# back to 1500#. Pumped in at 3300# at 8 BPM. Fracked with 7500 gallons lease crude with 1/20# Adomite Mark II per gallon and 7500# sand. Maximum treating press 4800#, min 4100#, avg injection rate 15 BPM. Load to recover 356 barrels (350 barrels lease crude and 6 BAW). Bled off 37.6 BLO in 1 hr. Displaced lease crude with Ken-X workover fluid. Cleaned out to FBD 6014'. Pulled full bore cementer back to 5769'. Schlumberger perforated lower Tubb formation 5830-80' and Drinkard 5892-5914' with 2 jet shots per foot. Set full bore cementer at 5813'. Dowell broke down formation at 7900# to 6000#. Displaced Ken-X in tubing with 50 barrels lease crude. Pumped in formation lease crude at 15 BPM at 6500#. Fracked with 22,500 gallons lease crude with 1/20# Adomite Mark II per gallon and 22,500# sand. Injected 100 ball sealers in middle of frac.

(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 M. L. MillsTitle Regional Drilling Supt.

First stage frac: 5700# decreased to 4900#. Avg injection rate 15 BPM. Pressure had decreased to 4750# on lease crude without sand and increased to 5500# when balls hit.

Second stage frac: 5500# decreased to 4800#. Avg injection rate 16.9 BPM. Flushed with 20 barrels lease crude and 50 barrels Ken-X. Load to recover 680 barrels lease crude. Total load to recover from Tubb/Drinkard 986 barrels (980 barrels lease crude and 6 BAW).

Started swabbing at 11:30 AM 5-30-61. Well kicked off at 1 PM 5-30-61. Continued swabbing and flowing well until 6-2-61. On 4 hour test ending at 10:30 AM 6-2-61 recovered 69.8 barrels (59.3 barrels new oil and 10.5 barrels BSAW).

Killed well with 9.5# Ken-X workover fluid and seven sacks Formaseal. Pulled full bore cementer. Set Baker Model D production packer at 5740'. Ran Tubb/Drinkard tubing string: stinger for Baker packer, 186 joints 2" J-55 Buttress thread tubing, 5740.00' set in Baker packer at 5743.02' with 5000#. Bottom of tubing at 5751'. Top of TIW packer at 5278.25' with seal nipple at 5707.38'.

Ran Blinbry tubing string: stinger for TIW HSDL packer, 169 joints 2" J-55 Buttress thread tubing, 5266.57' set in TIW packer with 7000# wt at 5277.57'. Pressure inside of tubing. Had no communication to annulus. Ran Paddock tubing string: bull plugged anchor joint, 3' perforated pup, standard seating nipple at 4977.52', total of 160 joints of 2" J-55 Buttress thread tubing 5003.18' hung at 5014.18'. Nippled up triple tree - tested to 3000# OK.

Swabbed 48 barrels load Ken-X fluid from Tubb/Drinkard tubing and casing. In 1 hour on 18/64" choke flowed 24.1 BNO and shut in. Swabbed 16.0 barrels Ken-X from Blinbry, then swabbed 5.1 BNO to test tank and shut in.

At 7 PM 6-5-61 SITP as follows:

Tubb/Drinkard	1500#
Blinbry	150#
Paddock	400#

Turned over to Production for final reports and testing.

5-27-61