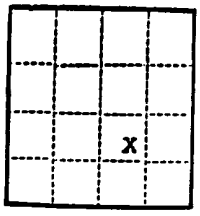
Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Las Cruces
Lease No. 057509
Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	X
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			

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

G. L. Erwin (b) NCT-2
Lease No. 41696

TEXACO Inc. P. O. Box 728
Hobbs, New Mexico February 21, 1962

Well No. 2 is located 1980 ft. from {N/S} line and 1980 ft. from {E/W} line of sec. 35

NW¼, SE¼, Sec. 35 (¼ Sec. and Sec. No.) 24-S (Twp.) 37-E (Range) NMPM (Meridian)

Undesignated (Field) Lea (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 3166 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)

See attached.

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

Company TEXACO Inc.

Address P. O. Box 728

H. N. Wade

Hobbs, New Mexico

By H. N. Wade

Title Assistant District Superintendent

GPO 862040

G. L. ERWIN (b) NCT-2 WELL NO. 2

Ran string No. 1, (Fusselman Zone) 7484' of 2 7/8" O.D. casing, 6.40 lb, J-55, 8-R, and cemented at 7495'.

Ran string No. 2, (Siluro-Devonian Zone) 7485' of 2 3/8" O.D. casing, 4.60 lb, J-55, 8-R, and cemented at 7496'.

Ran string No. 3, (Drinkard Zone) 7084' of 2 3/8" O.D. casing, 4.60 lb, J-55, 8-R, and cemented at 7100'.

Ran string No. 4, (Blinebry Zone) 6204' of 2 3/8" O.D. casing, 4.60 lb, J-55, 8-R, and cemented at 6215'.

Ran string No. 5, (Paddock Zone) 6185' of 2 3/8" O.D. casing, 4.60 lb, J-55, 8-R, and cemented at 6196'.

Cemented above strings of casing with 1760 sx Incor. with 8% Gel. Flushed ahead of cement with 10 bbls water and 1000 gals mud flush. Plugs latched in at 3000 lb. Plugs at 7485'.
Top of cement by temperature survey, 2150'.

Opened sleeve at 7147', pumped in at 3200 lb. Squeezed with 40 sx. Maximum pressure 4000 lb. CL sleeve. Circulate out cement. Tested sleeve with 3500 lb. O.K. Opened sleeve at 6897'. Pumped in at 3400 lb. Cement with 50 sx. with 0.8% LWL. Maximum pressure 4500 lb. Closed sleeve. Reversed out cement. Tested sleeve with 3500 lb. O.K. Opened sleeve at 6082'. Pumped in at 3200 lb. Cement with 50 sx. with 0.8% LWL. Maximum pressure 4500 lb. Closed sleeve. Reversed out cement. Tested sleeve with 3500 lb. O.K. Opened sleeve at 5954'. Pumped in at 3100 lb. Cement with 50 sx. cement with 0.8% LWL. Maximum pressure 4500 lb. Reversed out cement. Tested sleeve with 3500 lb. O.K. Opened sleeve at 5549'. Pumped in at 3200 lb. Cemented with 50 sx. 0.8% LWL. Maximum pressure 4500 lb. Reversed out cement. Tested sleeve with 3500 lb. O.K. Opened sleeve at 4987'. Pumped in at 3400 lb. Cement with 50 sx. 0.8% LWL. Maximum pressure 4500 lb. Closed sleeve. Reversed out cement. Tested sleeve with 3500 lb. O.K. Opened sleeve at 4639'. Pumped in at 3150 lb. Cement with 50 sx. 0.8% LWL. Maximum pressure 4500 lb. Closed sleeve. Reversed out cement. Tested sleeve with 3500 lb. O.K. Pressured up on 2 3/8" string to 4500 lb. with all sleeves closed. O.K. Opened, squeezed with 50 sx. cement with LWL. Closed sleeves at 7342', 7147', 6897', 6082', 5954' and 5549'. Now closing sleeve at 4987' after squeezing. Used 0.8% LWL in squeezing sleeve at 7342' and 7147'. Used 0.5% LWL on remainder. All sleeves took cement at 2800 - 3200 lb. Maximum squeeze pressure on each sleeve 4500 lb. Cement reversed after each squeeze. Failed to close sleeve at 4987' after squeeze with 50 sx. cement with 0.5% LWL. Reversed out excess cement. Pulled DP to check opening and closing tools. O.K. Sleeve at 4639' opened while pulling DP. Ran DP with closing tools and found cement at 4630'. Could not close sleeve at 4639'. Pulled DP. Ran bit. DOC 4630' to 4785'. DOC 4630' to 4987'. Ran bit to 7443'. Circulate to CO cement. Pulled bit. Ran in with closing tool. Could not close at 4639' and 4987'. Packed with cement. Pulled DP. Squeeze with 100 sx. cement. Maximum pressure 4000 lb. Left 120' plug above sleeve at 4639'. String No. 1, DOC to 4802'. Pulled bit. Squeeze thru sleeve at 4639' with 25 sx neat cement. Maximum pressure 4500 lb. WOC 6 hrs. DOC 4381', 4639'. Tested sleeve at 4639' with 3700 lb. O.K. Circulate to 4802'. DOC 4802', 5040'. Tested sleeve at 4987' with 3650 lb. O.K. Tested other 4 strings with 1500 lb. 10 minutes O.K. DOC 5040', 5515'. DOC to 5542'. Tested string to 3500 lb. O.K. Went in with Otis WL tool to open sleeve at 7342'. Could not pass sleeve at 5542'. Reamed to bottom with mill, circulate. Job complete 7:00 a.m. February 20, 1962.

Perf
DL - 5468 to 5518