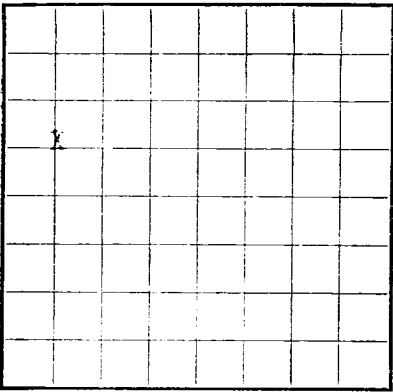


Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER LC 061936 A
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company TEXACO Inc. Address P.O. Box 212 - Midland, Texas
Lessor or Tract Cotton Draw Unit Field Undesignated State New Mexico
Well No. 39 Sec. 10 T. 25S R. 32E Meridian NMP County Lea
Location 1980 ft. N of N Line and 660 ft. W of N Line of Section 10 Elevation 3470' (D.F.)
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed [Signature]
Date April 14, 1961 Title Assistant District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling March 23, 1961 Finished drilling March 31, 1961

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 4734' to 4745' No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____
Drilled with rotary tools and no water sands tested.

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
7-5/8	24.00	8-R	H-40	321'	HWC	None	None	None	Surface
4-1/2	9.50	8-R	J-55	4830'	HWC	None	4734'	4745'	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7-5/8	334'	250	HWC		
4-1/2	4849'	200	HWC		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from _____ feet to 4850 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

April 14, 1961 Put to producing April 13, 1961

The production for the first 24 hours was 143 barrels of fluid of which 45 % was oil; _____ % emulsion 75 % water; and _____ % sediment. Gravity, °Bé. 42.2

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

B. M. Slaughter, Driller J. W. McAlister, Driller
Marvin Alexander, Jr., Driller E. W. Busche, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	97	97	Caliche
97	787	690	Redbed
787	1142	355	Anhydrite
1142	1865	723	Top of Salt
1865	4428	2563	Anhydrite & Salt
4428	4677	249	Lime
4677	4850	173	Delaware Sand
Total Depth	4850		
PB TD	4819		
All measurements from rotary table or 8' above ground level.			
Estimate No.	<u>5059</u>		FORMATION TOPS
1	NMOC		Top Anhydrite 787'
1	U.S.G.S.		Top Salt 1142'
1	Mrs. Rhea		Btm Salt 4428'
1	Division		Delaware Sand 4677'
1	Field		
1	File		

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
			Depth
		250'	1 1/2
		876'	3/4
		1339'	1
		1814'	3
		2230'	4
		2410'	2
		2747'	3
		3270'	1-3/4
		3549'	1-3/4
		3947'	1-1/4
		4102'	3-1/2
		4473'	4-1/2
		4640'	4
		4850'	4

DEVIATION RECORD

Degrees Off

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

COTTON DRAY UNIT WELL, No. 39

Spudded 9-7/8" hole 6:00 P.M. March 23, 1961. Ran 321' of 7-5/8" OD casing and cemented at 332' with 250 sx regular. Plug at 309'. Tested before and after drilling plug for 30 minutes with 600 psi. Tested O.K. Cement circulated. Job complete 9:30 A.M. March 25, 1961.

Ran Gamma Ray sonic log, April 1, 1961.

Ran 4830' of 4-1/2" OD casing and cemented at 4849' with 200 sx Incon neat. Plug at 4819'. Tested before and after drilling plug for 30 minutes with 1500 psi. Tested O.K. Job complete 4:00 P.M. April 2, 1961.

Perforate 4-1/2" OD casing with 2 jet shots per ft. 4734' to 4745'. Acidize with 500 gals 15% LST NEA. Swab well. Re-acidize with 1000 15% LST NEA. Swab well. Acidize with 500 gals gel acid, 500 lbs crushed Naphthalene, and 1000 gals 15% LST NEA. Swab well. Frac with 4000 gals refined oil and 6000 lbs sand.

On 24 hr PT well swabbed 36 BO and 107 BW ending 7:00 A.M. April 14, 1961.

Gravity
GOR
Top of Pay
Btm of Pay
NMOC Date
TEXACO Inc. Date
March 31, 1961
April 14, 1961
4734'
4745'
40.2