

U. S. LAND OFFICE WM-0507-77SERIAL NUMBER Lease No. 186453

LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company TEXACO Inc. Address 721 Fox 350 Midland, Texas
Lessor or Tract Heflin Federal Field Wildcat State New Mexico
Well No. 1 Sec. 24T2N-S. R. 31-E Meridian NMP County Sady
Location 662 ft. N. of 3 Line and 1280 ft. E. of --- Line of Sec. 2 Elevation 3551 (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 June 26, 1959 Title District Accountant

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

Commenced drilling Feb 21, 19 59 Finished drilling April 6, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 7364' to 7400' No. 4, from 7134' to 7200'No. 2, from 7161' to 7194' No. 5, from _____ to _____No. 3, from 7170' to 7182' 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—	
13 3/8	48.40	8	H-40	7371	Howco	None	none	none	surface
9 5/8	36.40	8	H-40	4463	Howco	None	none	none	production
7 5/8	33.40	8	H-80	8533	Howco	none	see above	see above	production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	710'	825	Howco		
9 5/8	4415'	2700	Howco		
7 5/8	8515'	1900	Howco		

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 8515' feet, and from _____ feet to _____ feet

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

DATES

_____ June 26, 19 59 Put to producing _____ June 22, 19 59The production for the first 24 hours was 94 barrels of fluid of which 27% was oil; _____% emulsion; 73% water; and _____% sediment. Gravity, °Bé. 34.6

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

L. J. Nicholson, Driller T. C. Rossor, DrillerGus Steward, Driller S. A. Cox, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	155'	155	Caliche
155	527	372	Red Bed
527	1250	723	Anhy & lime
1250	3103	1853	Anhy & salt
3103	3721	618	Anhy
3721	3813	92	Anhy & lime
3813	4327	514	Anhy & salt
4327	4553	226	Anhy
4553	4877	324	Lime & sand
4877	5106	229	Sand & shale
5106	8059	2953	Lime Sand & Shale
8059	8108	49	Sand
8108	8515	407	Sand & Shale
8515	8515		
8515	7325		
			695' Anhy Rustler
			1020' top of salt
			4330' btm of salt
			4582' Delaware Sand
			5696' Cherry Canyon
			6947' Brushy Canyon
			8366' Bone Spring
All measurements from rotary table or 11' above ground level.			
Estimate No. 8619			
1-federal	1-file		
1-MTCO	1-field		
1-div	1-UM		

FROM—	TO—	TOTAL FEET	FORMATION
			Deviation Record Degrees Off
		60'	1 1/4
		527'	1 1/2
		720'	1 1/2
		1250'	1 1/4
		1780'	1 1/2
		2370'	1
		3005'	1
		3270'	1
		3560'	3/4
		3812'	1 1/4
		4035'	1 1/2
		4310'	1 1/2
		4470'	3/4
		5175'	1 1/4
		5505'	1 1/4
		6200'	1 1/4
		6435'	3/4
		6670'	3/4
		6800'	1
		6995'	1
		7130'	3/4
		7210'	1 1/4
		7380'	1 1/4
		7520'	1
		7610'	1 1/4
		7825'	1 1/4
		8000'	1
		8110'	1 1/4
		8315'	1 1/4
		8500'	1
		8525'	1

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.

see attached