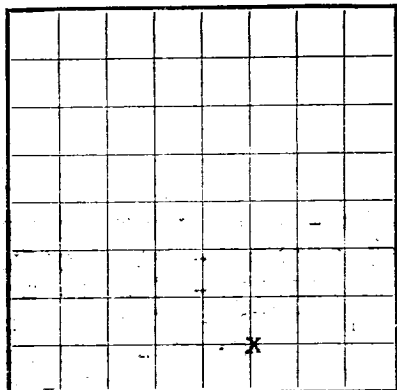


Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER NM-0463-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 352, Midland, Texas
Lessor or Tract Kinahan-Federal Field Undesignated State New Mexico
Well No. 1 Sec. 20 T. 15-S R. 30-E Meridian NMPM County Chaves
Location 660 ft. [N.] of S. Line and 1980 ft. [E.] of E. Line of Section 20 Elevation 400.4 (DF)
(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 _____

Date August 23, 1960 Title Asst. Dist. Supt.

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

Commenced drilling June 10, 1960 Finished drilling August 14, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 11,049' to 11,071' 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—	
13-3/8	48.00	8R	H-40	461'	Howco	None	None	None	Surface
8-5/8	24.00	8R	J-55	2941'	Baker	None	None	None	Production
5-1/2	17.00	8R	N-80	11,144'	Baker	None	See Above	None	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	478'	600	Howco		
8-5/8	2959'	800	Howco		
5-1/2	11,157'	300	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 11,157' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

August 23, 1960 Put to producing August 19, 1960
The production for the first 24 hours was 1346 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. 57.5
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

D. J. Youngblood, Driller H. B. McDonald, Driller
E. B. White, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	60	60	Caliche
60	330	270	Redbed
330	470	140	Redbed & Shells
470	880	410	Redbed & Anhy
880	1699	819	Anhy & Salt
1699	2257	558	Anhy
2257	2826	569	Anhy & Gyp
2826	3009	183	Anhy & Lime
3009	4032	1023	Lime
4032	4403	371	Lime & Sand
4403	6487	2084	Lime
6487	6741	254	Lime & Abo
6741	6923	182	Lime & Shale
6923	7333	410	Lime
7333	8320	987	Lime & Chert
8320	8525	205	Lime & Shale
8525	9652	1127	Lime
9652	10,043	391	Lime & Sand
10,043	10,703	660	Lime & Shale
10,703	11,157	454	Lime & Chert
Total Depth	11,157'		
PBTD	11,155'		

All measurements from rotary table or 10' above ground level.

FORMATION RECORD-Continued

FROM-	TO-	TOTAL FEET	FORMATION
Any	440'		
Top of Salt	560'		
Bottom of Salt	1285'		
Yates	1453'		
San Andres	2875'		
Glorieta	4334'		
Tubbs	5658'		
Abc	6440'		
Wolfcamp XX	7771'		
Atoka	9733'		
Upper Miss	10,344'		
Lower Miss	10,626'		
Woodford	10,940'		
Devonian	10,984'		
Estimate No. 7170			
USGS	7000'		
NMOCC	8264'		
Division	8820'		
Field	9180'		
File	9518'		
	9820'		
	10,015'		
	10,255'		
	10,450'		
	10,800'		
	10,915'		
	11,157'		
Depth			
2	425'		
2	740'		
2	1280'		
2	1690'		
2	2010'		
1 1/2	2380'		
1 1/4	2760'		
1	3060'		
3/4	3342'		
3/4	3785'		
1 1/4	4025'		
1 1/2	4650'		
2	5442'		
2 1/2	5895'		
2 1/4	6390'		
1 1/2	6660'		
1	7000'		
2	7665'		
2	8264'		
2 1/2	8820'		
2 1/2	9180'		
3/4	9518'		
1 1/4	9820'		
3/4	10,015'		
1 1/4	10,255'		
1	10,450'		
1 1/2	10,800'		
1 1/4	10,915'		
3/4	11,157'		
Deviations off 1			

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.

Spudded 17 1/2" hole 3:00 AM June 10, 1960. Ran 461' of 13 3/8" O.D. casing and cemented at 478' with 600 sx. Tested before and after drilling plug with 600 PSI. Tested o.k. Job complete 5:30 PM June 12, 1960.

Ran 2941' of 8 5/8" O.D. casing and cemented at 2959' with 800 sx. Tested before and after drilling plug with 1000 PSI. Tested o.k. Job complete 6:30 PM June 19, 1960.

DST No. 1, 4220' to 4402', tool open 2 hrs. with fair blow decreasing to week blow, recovered 200' DM and 160' MCSM and 1638' sulphur cut SW. 30 MSL-1675, FF-250, FF-1115, 30 MSL-1655, HI & HO-1990, Job complete 6:30 PM June 25, 1960.

Core No. 1, 11,056' to 11,076', recovered 18', 90% recovery scattered oil and gas thruout, August 12, 1960. Core No. 2, 11,076' to 11,105', recovered 16', 55% recovery, scattered oil and gas with good pore, August 13, 1960. Core No. 3, 11,105' to 11,122', recovered 16', 94% recovery sandy lime with scattered oil and gas shows with good pore, August 14, 1960.

Ran 11,144' of 5 1/2" O.D. casing and cemented at 11,157' with 300 sx. Tested before and after drilling plug with 1500 PSI, Tested o.k. Job complete 5:00 AM, August 18, 1960.

Perforate 5 1/2" O.D. casing with 2 jet shots per ft. 11,049 to 11,071. Acidize with 500 gals. MA, re-acidize with 500 gals. regular 15% acid. On 5 hr. PT well flowed thru 1 1/2" choke 280.50 SD and no wtr. ending 7:20 AM August 19, 1960.

GON-1985 Gravity - 57.5 Top of Pay - 11,049' Btm of Pay - 11,071' NMOCC Date - August 14, 1960 TEXACO Inc. date - August 19, 1960

DEPARTMENT OF MINING

UNITED STATES
BUREAU OF MINING
WASHINGTON, D. C.