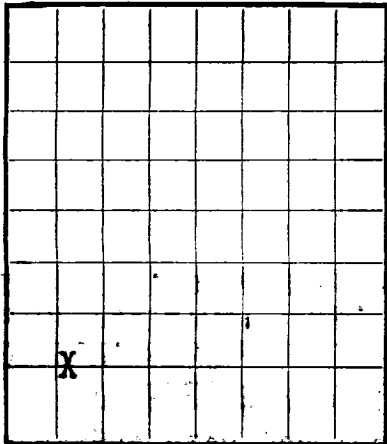


Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER NM-020491
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company TEXACO Inc. Address P. O. Box 352, Midland, Texas
Lessor or Tract Cities Service Federal Field West Lovington State New Mexico
Well No. 1 Sec. 3 T. 17-S R. 36-E Meridian NMPM County Lea
Location 660 ft. N of S Line and 660 ft. E of W Line of Section 3 Elevation 3878'
(Denote 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 September 27, 1960 Title Assistant District Superintendent

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

Commenced drilling September 5, 1960 Finished drilling September 21, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4704' to 4713' No. 4, from 4766' to 4774'
No. 2, from 4716' to 4720' No. 5, from _____ to _____
No. 3, from 4742' to 4750' No. 6, from _____ to _____

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	8R	H-40	1900	Baker	None	None	None	Surface
4 1/2"	9.50	8R	J-55	5061	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
7 5/8"	1910'	600	Howco		
4 1/2"	5072'	200	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 0 feet to 5072 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

September 27, 1960 Put to producing September 26, 1960
The production for the first 24 hours was 40 barrels of fluid of which _____ % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 100
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas 32.6
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

L. L. Fraley, Driller L. D. Funk, Driller
Roy Salmon, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	353	353	Caliche
353	1220	867	Red Bed
1220	1502	282	Red Bed & Anhy
1502	1910	408	Anhy & Gyp
1910	1995	85	Anhy
1995	3135	1140	Anhy & Salt
3135	3527	392	Anhy, Gyp, & Salt
3527	4455	928	Anhy & Gyp
4455	4680	225	Lime
4680	5072	392	Lime & Shale
Total Depth	5072		
PBTD	5070		

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

Estimate No. 5295

Formation Tops	
Anhy	1908'
T. Salt	2004'
B. Salt	2765'
Yates	3048'
Queen	3938'
San Andres	4650'

4 - USGS
1 - Mrs. Rhea
1 - Division
1 - Field
1 - File

1000-0000/99/0000-0000\$10.00/0

LOC. OF "DIT" OR "DIT" WELL

Cattle Service Federal

U. S. GOVERNMENT PRINTING OFFICE

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

Deviation Record		Depth	
Degrees Off			
1/2	354		
1/2	685		
1/4	988		
3/4	1280		
3/4	1587		
3/4	1896		
1/4	2198		
1/4	2635		
1/4	3009		
1/4	3222		
1/2	3500		
1/4	3939		
1/4	4157		
1/2	4501		
1	4659		
1/2	4750		
1/2	5072		