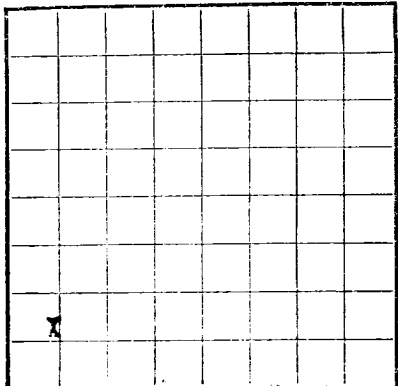


Form 9-330

Artesia
U. S. LAND OFFICE
SERIAL NUMBER NM-01171
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 **K. McIntosh Federal** Field **Wildcat** State **New Mexico**
Well No. **1** Sec. **34** T. **15-S** R. **30-E** Meridian **NMPM** County **Chaves**
Location **660** ft. **N** of **S** Line and **660** ft. **E** of **W** Line of **Section 34** Elevation **4028'** (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 _____ Title **Assistant District Superintendent**
Date **March 7, 1961**

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

Commenced drilling **February 12, 1961** Finished drilling **February 22, 1961**

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

No. 1, from **3128'** to **3136'** 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	631'	Baker	None	None	None	Surface Production
4-1/2"	9.50	8-H	J-55	3347'	Baker	None	3128'	3136'	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7-5/8"	640'	400	Howco		
4-1/2"	3356'	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 **3357'** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

March 7, 1961 Put to producing **March 3, 1961**

The production for the first 24 hours was **160** barrels of fluid of which **100** % was oil; **0** % emulsion; **0** % water; and **0** % sediment. Gravity, °Bé. **33.4**

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. H. Dukeminier, Driller **B. O. Campbell**, Driller
L. D. Funk, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	560	560	Caliche
560	1240	680	Red Bed
1240	1560	320	Salt
1560	1740	180	Anhy & Gyp
1740	1847	107	Anhy & Salt
1847	2440	593	Anhy & Gyp
2440	2940	500	Anhy
2946	3162	222	Anhy & Dolomite
3162	3357	195	Dolomite
Total Depth	3357		
PBTD	3327		
All measurements from rotary table or 10' above ground level.			
Estimate No. 7306			
1 - USGS			
1 - NMOC			
1 - Division			
1 - Field			
1 - File			
1 - U.S. Smelting, Refining & Mining Co., Box 1877, Midland			
1 - Lillian T. Hinkle, Hinkle Bldg., Roswell, N.M.			
1 - Clarence B. Hinkle, Hinkle Bldg., Roswell, N.M.			
1 - Ray Jacoby, U.S. Smelting, Refg. & Mining, 9th Floor Wilco Bldg., Midland			
1 - Gayle P. Crawford, U.S. Smelting, Refg. & Mining, 9th Floor Wilco Bldg., Midland			

FORMATION RECORD-Continued

FROM-	TO-	TOTAL FEET	FORMATION
			FORMATION TOPS
			Top of Andy 585'
			Top of Salt 706'
			Base of Salt 1690'
			Top of Yates 1658'
			Top of Queen 2442'
			Top of San Andres 3140'
			Deviation Record
			Depth
			Decreases Off
			1/4 305'
			3/4 1050'
			1-3/4 1450'
			1 1750'
			1 1992'
			1/2 2110'
			3/4 2751'
			1/2 2930'
			1-1/4 3150'
			1 3357'

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.

K. MCINTOSH FEDERAL WELL NO. 1

Spudded 9-7/8" hole 1:00 P.M. February 12, 1961. Ran 361' of 7-5/8" O.D. casing and cemented at 640' with 300 sx 42 Gel and 100 sx Regular. Plug at 625'. Cement circulated. Tested before and after drilling cement plug for 30 minutes with 600 PSI. Tested OK. Job complete 1:00 A.M. February 12, 1961.

Core No. 1 from 2542' to 2592', 50', 100% rec, NS, February 17, 1961
Core No. 2 from 3255' to 3306', 51', 100% rec, NS, February 21, 1961
Core No. 3 from 3306' to 3357', 51', 100% rec, NS, February 22, 1961

Ran electric logs February 23, 1961

Ran 337' of 4-1/2" O.D. casing and cemented at 3356' with 200 sx Regular 42 Gel. Plug at 3327'. Tested before and after drilling cement plug for 30 minutes with 1500 PSI. Tested OK. Job complete 11:00 P.M. February 24, 1961.

Perforate 4-1/2" O.D. casing from 3128' to 3136' with 2 jet shots per ft. Washed same with 500 gals acid. Frac with 10,000 gals refined oil and 15,000 lbs sand at 9.6 BPM.

Ran 3137' of 2" tubing and set at 3117'. Recover load oil and test.

On 7 Hr PT ending 5:00 P.M. March 3, 1961, well swabbed 43 BO and no water.

Gravity - 33.1
Top of Pay - 3128'
Btm of Pay - 3136'
NMOC date - February 22, 1961
REXACO Inc. date - March 3, 1961