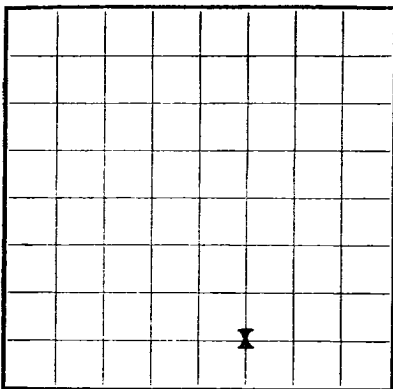


THIS WELL IS IN THE
COTTON DRAW UNIT.U. S. LAND OFFICE Las Cruces
SERIAL NUMBER LC-061936
LEASE OR PERMIT TO PROSPECT

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 Fract E. F. Ray-Federal "B" Field Paduca-Delaware State New Mexico
Well No. 1 Sec. 10 T. 25-S R. 32-E Meridian NMPM County Lea
Location 660 ft. N. of S Line and 1980 ft. W. of E Line of Section 10 Elevation 3460' (DF)
(Derrick base 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 M. B. HollandDate February 14, 1961 Title Assistant District Superintendent

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

Commenced drilling January 21, 1961 Finished drilling January 28, 1961OIL OR GAS SANDS OR ZONES
(Denote gas by G)No. 1, from 4736' to 4744' 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—	
<u>7-5/8</u>	<u>24.00</u>	<u>8-R</u>	<u>H-40</u>	<u>300'</u>	<u>Howco</u>	<u>None</u>	<u>None</u>	<u>None</u>	<u>Surface</u>
<u>4-1/2</u>	<u>9.50</u>	<u>8-R</u>	<u>J-55</u>	<u>4799'</u>	<u>Howco</u>	<u>None</u>	<u>See</u>	<u>Above</u>	<u>Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>7-5/8</u>	<u>313'</u>	<u>250</u>	<u>Howco</u>		
<u>4-1/2</u>	<u>4799'</u>	<u>150</u>	<u>Howco</u>		

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 4800 feet, and from _____ feet to _____ feet

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

DATES

February 14, 1961 Put to producing February 10, 1961

The production for the first 24 hours was 26 barrels of fluid of which 65 % was oil; 0 % emulsion; 35 % water; and 0 % sediment. Gravity, °Bé. 39.6

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

M. B. Holland, Driller Tom Helms, DrillerB. E. Thomas, Driller L. V. Watts, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>80</u>	<u>80</u>	<u>Caliche</u>
<u>80</u>	<u>314</u>	<u>234</u>	<u>Red Bed</u>
<u>314</u>	<u>1150</u>	<u>836</u>	<u>Red Bed & Sand</u>
<u>1150</u>	<u>1535</u>	<u>385</u>	<u>Salt</u>
<u>1535</u>	<u>3090</u>	<u>1555</u>	<u>Anhy & Salt</u>
<u>3090</u>	<u>4676</u>	<u>1586</u>	<u>Anhy</u>
<u>4676</u>	<u>4703</u>	<u>27</u>	<u>Lime</u>
<u>4703</u>	<u>4800</u>	<u>97</u>	<u>Shale & Sand</u>
<u>Total Depth</u>	<u>4800</u>		
<u>PBTD</u>	<u>4798</u>		

All measurements from rotary table or 8' above ground level.

Estimate No. 5423

4 - USGS
1 - NMOC
1 - Mrs. Rhea
1 - Pauley Pet.
1 - Division
1 - Field
1 - File

Formation Tops

Top of Anhy 803'
Top of Salt 1165'
Btm of Salt 4463'
Lamar Lime 4690'
Delaware Sand 4716'

AT THE END OF COMPLETE DRILLER'S
LOG, ADDITIONAL COPIES OF THIS
LOG MAY BE OBTAINED FROM THE
GEOLOGICAL SURVEY, WASHINGTON, D. C.

Depth	Deviation Record	Degrees Off
300	300	1
642	642	3/4
956	956	3/4
1268	1268	1-1/4
1583	1583	1-1/4
2179	2179	3/4
2322	2322	1/4
2898	2898	1
3196	3196	2-1/4
3491	3491	2
3649	3649	2-1/4
3959	3959	2-1/2
4147	4147	2-1/2
4675	4675	2
4700	4700	2
4800	4800	2

DO NOT

1
3/4
3/4
1-1/4
1-1/4
1-1/4
3/4
3/4
1
2
2-1/4
2
2
2
2-1/2
2-1/2
2

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 "sacked" 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 pugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

U. S. GOVERNMENT PRINTING OFFICE

and cemented at 313' with 250 sx Incon. Plug at 288'. Cement circulated. Tested before and after drilling plug for 30 minutes with 1000 PSI. Tested OK. Job complete 11:30 P.M. January 22 - 1961

Spudded 9-7/8" hole 2:30 P.M. January 21, 1961. Ran 300' of 7-5/8" O.D. casing and cemented at 313' with 250 sk Incor. Plug at 288'. Cement circulated. Tested before and after drilling plug for 30 minutes with 1000 PSI. Tested OK. Job complete 11:30 P.M. January 22, 1961.

Core No. 1, 4700' to 4752', recovered 38', no show, 12' sandy lime, 26' shaley sand, 3' of sand. Job complete January 27, 1961.

Core No. 2, 4752' to 4800', recovered 42', oil show, 34' sand, 8' shaley sand. Job complete January 28, 1961.

Ran 4789' of 4-1/2" O.D. casing and cemented at 4799' with 150 sx Inconel 4% Gel. Plug at 4769'. Tested before and after drilling plug for 30 minutes with 1500 PSI. Tested OK. Job complete 9:30 A.M. January 30, 1961.

Perforate 7 1/2" O.D. casing with 2 jet shots per ft. 47361 to 47441. Acidize with 250 gals 15% HCl NEA. Swap well, re-acidize with 500 gals 15% HCl NEA, re-acidize with 250 gals oil acid, 375 lbs crushed napthalene, and 1000 gals 15% HCl NEA.

On 24 Hr PT ending 10:30 A.M. February 12, 1961, well pumped 17 BO and 9 EW.

GOR - 181M
Gravity - 39.6

TXACO Inc. date - February 12, 1961
INACC date - January 28, 1961

Top of Pay - 47361
Bot of Pay - 47474