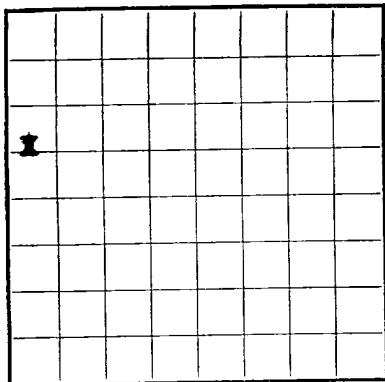


Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER LC-062368
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 P.O. Box 728 - Hobbs, New Mexico
Lessor or Tract C. E. Penny NCT-4 Field Undesignated State New Mexico
Well No. 6 Sec. 19 T. 25-S R. 38-E Meridian NMPM County Lea
Location 1980 ft. N of N Line and 330 ft. E of W Line of Section 19 Elevation 3074' (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 September 29, 1961 Title Assistant District Superintendent

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

Commenced drilling August 8, 1961 Finished drilling September 6, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

See Attached Sheet

No. 1, from _____ to _____ 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	867'	Howco	None	None	None	Surface
5-1/2"	14.00	8-R	J-55	5939'	Howco	None	See	Above	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7-5/8"	880'	300	Howco		
5-1/2"	5949'	350	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 5950 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

September 2, 1961 Put to producing September 25, 1961

The production for the first 24 hours was 118 barrels of fluid of which 93% was oil; --% emulsion; 7% water; and --% sediment. Gravity, °Bé. 33.9

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

E. A. Callahan, Driller C. E. Hutchisson, Driller
J. D. Pettigree, Driller J. B. Hall, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	332	332	Caliche
332	800	468	Redbed
800	1137	337	Redbed & Anhy
1137	2021	884	Anhy & Salt
2021	3463	1442	Anhy
3463	3541	78	Anhy & Chert
3541	3698	157	Lime & Chert
3698	4660	962	Lime
4660	4895	235	Lime & Sand
4895	5440	545	Lime
5440	5950	510	Lime & Sand
TOTAL DEPTH	5950		
PBTD	5948		

Formation Tops
Top of Anhy - 800'
Top of Salt - 1720'
Btm of Salt - 2224'
Top of Yates - 2374'
Top of San Andres - 3657'
Top of Glorieta - 4754'
Top of Blinbry - 5190'
Top of Tubb - 5790'

All measurements from rotary table or 9' above ground level.
Estimate No. 7277
1 - USGS
1 - NMOC
1 - Division
1 - Field
1 - File

(OVER)

FROM-	TO-	TOTAL FEET	FORMATION
-------	-----	------------	-----------

16-43004-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, the

C. E. Penny NCT-4 Well No. 6

Spudded 9 7/8" hole 3:00 p.m., August 8, 1961. Ran 867' of 7 5/8" O.D. casing and cemented at 880' with 300 SX incor. plug at 851'. Cement circulated. Tested before and after drilling plug for 30 minutes with 600 PSI. Tested OK. Job complete 11:00 p.m., August 11, 1961.

Ran 5939' of 5 1/2" O.D. casing and cemented at 5949' with 350 SX incor. neat. plug at 5915'. Tested before and after drilling plug for 30 minutes with 1500 PSI. Tested OK. Job complete 7:30 p.m., September 8, 1961.

Ran Gamma Ray Neutron Log, September 9, 1961.

Justis (Blinebry):

Perforate 5 1/2" O.D. casing with one jet shot every three feet, 5263' to 5278', 5284' to 5305', 5318' to 5338', 5352 to 5355', 5379' to 5388', 5392' to 5422', 5432' to 5438', and 5460' to 5469'. Acidize with 2000 gals. LST NEA. Swab well.

Justis (Tubb-Drinkard) Zone:

Perforate 5 1/2" O.D. casing with one jet shot every three feet, 5790' to 5805', 5812' to 5821', and 5860' to 5889'. Acidize with 2000 gals. LST NEA and 250 lbs. naphthalene. Swab well. Re-acidize with 5000 gals. LST NEA. Swab well. Frac with 10,000 gals. refined oil and 15,000 lbs. sand at 11.1 BPM.

Justis (Tubb-Drinkard) Zone Test:

On 20 hr potential test well flowed 92 BO and 6 BW thru 18/64" choke ending 7:00 a.m., September 27, 1961.

GOR -----	912
Gravity -----	33.9
Top of Pay -----	5790'
Btm. of Pay -----	5889'
USGS Date -----	September 6, 1961
TEXACO Inc. Date -----	September 27, 1961