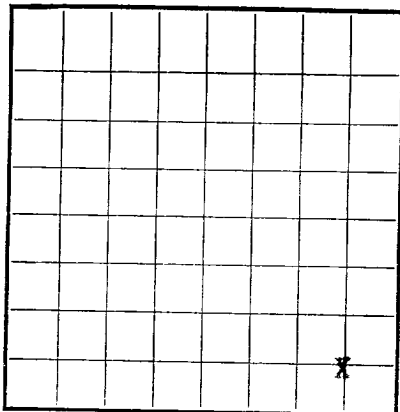




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las CrucesSERIAL NUMBER 032100

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company TEXACO Inc. Address PO Box 352 Midland, Texas
Lessor or Tract C.H. Lockhart NCT-1 Field Drinkard State New Mexico
Well No. 8 Sec. 18 T. 22-S R. 38-E Meridian NMPM County Lea
Location 660 ft. N of S Line and 660 ft. E of E Line of Sec. 18 Elevation 3381'
(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.

Date June 16, 1959 Signed F.M. Long Title District Supt.

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

Commenced drilling May 15, 19 59 Finished drilling June 7 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6846' to 6992' No. 4, from 7100' to 7158'
No. 2, from 7008' to 7023' No. 5, from _____ to _____
No. 3, from 7044' to 7058' 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	375	Baker	none	none	none	surface
8 5/8	24.00	8r	J-55	2888'	Baker	none	none	none	production
5 1/2	4.70	8r	J-55	7187'	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	398'	550	Baker		
8 5/8	2901'	1200	Baker		
5 1/2	7200'	650	Baker		

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 7200' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

June 16 19 59 Put to producing June 14 19 59

The production for the first 24 hours was 99 barrels of fluid of which 97 % was oil; — %
emulsion; 3 % water; and — % sediment. Gravity, °Bé. 38.2

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.F. Young _____, Driller L.L. Fraley _____, Driller
J.W. Dyer _____, Driller J.H. Dukeminer _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	148	148	Caliche
148	407	259	Red Bed
407	1250	843	Red Bed & Gyp
1250	1378	128	Red Bed & Anhy
1378	2490	1112	Anhy & Salt
2490	3682	1192	Anhy & Gyp
3682	3809	127	Anhy & Lime
3809	7200	3391	Lime
total depth	7200		
PBTD	7190		
		1468	top of salt
		2335	btm of salt
		1290	Anhy
		2616	Yates
		4008	San Andres
		5202	Glorieta
		6193	Tubbs
		6470	Drinkard

All measurements from rotary table or 12' above ground level.

Estimate No. 6386

3-federal 1-file
1-unit 1-field
1-NMocc 1-div

FROM—	TO—	TOTAL FEET	FORMATION
			Deviation Record
			Decrease Off
		368	1/2
		702	1/2
		1008	1/4
		1334	1/4
		1651	1/2
		1964	3/4
		2213	
		2465	1
		2861	3/4
		3272	1/2
		3639	1 1/4
		3826	1 1/4
		4228	1
		4474	1 1/2
		4721	1
		5107	1
		5508	3/4
		5693	1
		6003	1
		6281	1
		6465	1/2
		6619	1/2
		6928	1/2
		7081	3/4
		7200	3/4

HISTORY OF OIL OR GAS WELL

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 1:30 p.m. May 15, 1959. Ran 375' of 13 3/8" o.d. casing and cemented at 396' with 550 ex regular cement. Plug at 375'. Drilled cement plug testing before and after with 600 PSI for 30 minutes. Tested o.k. job complete 11:15 a.m. May 16, 1959. Ran 2888' of 8 5/8" o.d. casing and cemented at 2901' with 1000 ex 4 1/2 gel and 200 ex regular cement. Cement elevated, plug at 2874'. Drilled cement plug testing before and after with 1000 PSI for 30 minutes. Tested o.k. job complete 6:30 p.m. May 23, 1959. Ran electric logs, June 1, 1959. Ran 7167' of 5 1/2" o.d. casing and cemented at 7200' with 650 ex 4 1/2 gel incor. Top of cement by temperature survey 3130' plug at 7165'. Drilled cement plug testing before and after with 1500 PSI for 30 minutes. Tested o.k. job complete 9:30 a.m. June 10, 1959. Perforate 5 1/2" o.d. casing with 4 jet shots per ft. from 6846' to 6992', 7008' to 7023', 7041' to 7058', and 7100' to 7158'. Ran 7150' of 2 3/8" tubing and set at 7161' with packer in casing at 6553'. Acidize perforations with 5000 gals 15% HCl down tubing at 5:1 p.m. Job complete 1:00 p.m. June 11, 1959. Acidize with 10,000 gals 15% HCl NEA at 4.1 BPM, and snub well 10 hrs. On 18 hr. PT ending 2:00 a.m. June 15, 1959. Well flowed 22 BO and 2 BW thru 20/64" choke.

GOR - 563
Gravity - 38.2
Top of pay - 6846'
Btm of pay - 7158'
MNOCC Date - 6-7-59
TEXACO Inc. Date - 6-15-59