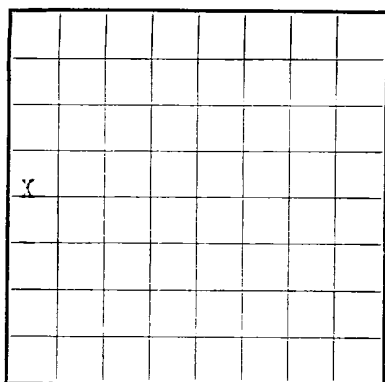




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Hobbs
SERIAL NUMBER IC-062368
LEASE OR PERMIT TO PROSPECTUNITED 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 Tract C. E. Penny NCT-1 Field Justis McKee
Well No. 4 Sec. 19 T. 25-S R. 30-E Meridian NMTM County Lea
Location 2310 ft. (N) of N Line and 330 ft. (E) of N Line of Section 19 Elevation 3078 ^(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 [Signature] Title Assistant District SuperintendentDate December 17, 1959

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

Commenced drilling October 12, 1959 Finished drilling December 2, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 7145 to 7161 No. 4, from 7233 to 7238
No. 2, from 7183 to 7188 No. 5, from 7251 to 7265
No. 3, from 7214 to 7231 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	8 RT	H-40	865'	Baker	None	None	None	Surface
9-5/8	36.00	8 RT	J-55	3431'	Howco	None	None	None	Production
7	26.00	8 RT	H-80	7856'	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
13-3/8	880'	750	Howco		
9-5/8	3441'	1700	Howco		
7	7867'	900	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 7894 feet, and from _____ feet to _____ feet

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

DATES

December 17, 1959 Put to producing December 11, 1959

For tests of each zone, see copies of NMOC Form 9-11 attached

The production for the first 24 hours was 105 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 13.1

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

C. R. Ward, Driller H. L. Webster, DrillerS. W. Trent, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	220	220	Caliche
220	782	562	Red Bed
782	1200	418	Anhy & Red Bed
1200	2255	1055	Anhy & Salt
2255	2355	100	Anhy
2355	2701	346	Anhy & Gyp
2701	2866	165	Anhy
2866	3147	281	Anhy & Lime
3147	4594	1447	Lime
4594	5507	913	Lime & Dolomite
5507	7137	1630	Lime
7137	7308	171	Lime & Sand
7308	7374	66	Lime & Shale
7374	7839	465	Sand & Shale
7839	7894	55	

Total Depth 7894Open Hole 7867 to 7894

All measurements from Rotary Table are 11' above ground level

ESTIMATE NO. 7025

4 - U.S.G.S.

1 - NMOC

1 - Field

1 - Division

1 - File

{OVER}

16-42094-4

History of Oil or Gas Wells
C. E. Peary NCT-4 Well No. 4 Justis McKee and Justis Ellenburger Field

Spudded 17 1/2" Hole 7:00 P.M. October 10, 1959. Ran 866' of 13 3/8" O.D. Casing and cemented at 880' with 150 Sx. Tested o.k. Job complete 10:30 A.M. 10-17-59.

Ran 3431' of 9 5/8" O.D. Casing and cemented at 3441' with 1700 Sx. Tested o.k. Job complete 11:30 A.M. 10-26-59.

DST No. 1 - From 4710' to 4944', tool open 1 1/2 hrs. with fair blow thru out test. Recovered 220' SO & GCDM. 30-MISI-501, 30-MFSI-501, HI-2287, HO-2287, IF-146, FF-209. Job complete 2:30 P.M. 11-1-59.

DST No. 2 - From 4960' to 5145', tool open 1 1/2 hrs. with fair blow air. Gas to surface in 1 hr. and continued throughout test. Heavy H₂S Gas, TSIM. Recovered 280' HOGCDM and 10' free oil. 34.8 Gravity. 30-MISI-940, IF-160, FF-215, 30-MFSI-705, HI-2360, HO-2350. Job complete 7:30 P.M. 11-2-59.

DST No. 3 - From 6040' to 6331', tool open 2 hrs. with fair blow air. Gts 15 min, TSIM. Recovered 270' HOGCDM with Trace Oil and 710' CO₂ Sulphur wtr. 30-MISI-2100, IF-360, FF-620, 30-MFSI-1370, HI-3010, HO-3000. Job complete 1:40 A.M. 11-10-59.

DST No. 4 - From 6850' to 6935', tool open 2 hrs. with fair blow air increasing to fair blow in 20 min. continue throughout test. No oil or fluid to surface. Recovered 220' DM and 1350' DM. NS. 30-MISI-3020, IF-300, 30-MFSI-2995, HI-3275, HO-3225. Job complete 3:00 P.M. 11-16-59.

DST No. 5 - From 7040' to 7108', tool open 2 hrs. 15 min. with fair blow air. Gts. 8 min. continue throughout test. Gas volume 123,000 Cu. ft. per day. Recovered 1000' free oil, 38.5 Gravity, and 1500' HO & GCDM and 140' DM. 30-MISI-2730, IF-255, FF-540, 30-MFSI-2155, HI and HO-3320. Job complete 2:45 P.M. 11-19-59.

DST No. 6 - From 7110' to 7137', Mis-run.

DST No. 7 - From 7126' to 7137', tool open 2 hrs. Gts. 7 min., mud 25 min., oil 28 min., flow 39 BO to test tank. No wtr. 43.6 Gravity, Gas volume 544,000 Cu. ft. per day. 30-MISI-2750, IF-635, FF-800, 30-MFSI-2705, HI and HO-3415. Job complete 11:15 A.M. 11-21-59.

DST No. 8 - From 7800' to 7890', tool open 2 1/2 hrs. with strong blow air. Gts. in 30 min. Flowed to pits 8 min. test 2 hrs. 22 BO 1st hr. and 26 BO 2nd hr. Reverse out 16 BO Total recovered 64 BO. Gas volume 306 MCF per day. 44.3 Gravity, 30-MISI-2895, IF-600, FF-1038, 30-MFSI-2515, HI and HO-3860. Job complete 5:15 P.M. 11-28-59. Run logs 11-28-59.

(Justis Ellenburger Zone)

Ran 7856' of 7" O.D. Casing and cemented at 7867' with 150 Sx. Tested o.k. Job complete 4:30 A.M. December 3, 1959. Open hole from 7867' to 7894'. Ran log to check cement top at 3210'. Acidize open hole with 15% acid. Regular 15% Acid, at 3 BPM. (Justis Ellenburger Zone) Ran 7850' 2 1/2" tubing and set at 7770'.

(Justis McKee Zone)

Perforate 7" O.D. Casing with 2 jet shots per ft. from 7110' to 7114', 7183' to 7188', 7214' to 7231', 7231' to 7238', and 7251' to 7258'. Acidize with 500 Gals. Regular 15% Acid, at 3 BPM. (Justis McKee Zone) Ran 7130' of 2 1/2" tubing and set at 7146'. Run Packer Leakage Test. 10 min. PT well flowed 105 BO and no wtr. thru 11/64" choke. Gravity 43.0, Gas 44.3. Test ending 11:50 A.M. December 15, 1959. Top of Pay 7145', Btm. of Pay 7145', NMOCG Date-December 2, 1959, TEXACC Inc. Date-December 15, 1959.

(Justis Ellenburger Zone)

On 9 Hr. PT Ellenburger Zone flowed 126 BO and no wtr. thru 20/64" choke ending 7:30 P.M. December 16, 1959. Gor 1227, Gravity 46, Top of Pay 7867', Btm. of Pay 7894', NMOCG Date December 2, 1959, TEXACC Inc. Date December 16, 1959.