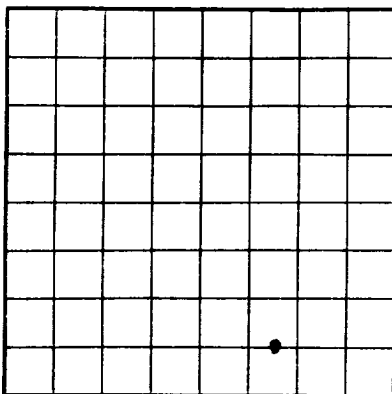


ILLEGIBLE

U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Humble Oil & Refining Co. Address Houston, Texas
Lessor or Tract Federal Popeano Field Eunice State New Mexico
Well No. 5 Sec. 26 T20 S.R. 36 Meridian County Dea
Location 600 ft. {N.} of S Line and 1650 ft. {E.} of W Line of Section 26 Elevation 3571'
(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 **COPY ORIGINAL SIGNED: H. S. MCGARRY**Date May 23, 1938Title District Superintendent

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

Commenced drilling April 23, 1938, 19... Finished drilling May 7, 1938, 19...

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3730' to 3774' No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

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—	
10-3/4"	40	8	SS	163' 4"	Texas Pattern	Halliburton Guide Shoe			1st Casing
7-5/8"	34	8	SS	1301' 0"	Halliburton Guide Shoe	Halliburton Guide Shoe			2nd Casing
5-1/2"	27	10	SS	3725' 0"	Halliburton Guide Shoe	Halliburton Guide Shoe			3rd Casing
2"	4.70	10	SS	3855' 0"	Halliburton Guide Shoe	Halliburton Guide Shoe			4th Casing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	176' 4"	100 Sks El Toro	Halliburton	9.0	25 Tons used in well
7-5/8"	1314' 0"	400 Sks El Toro	Halliburton	9.5	
5-1/2"	3727' 0"	150 Sks El Toro	Halliburton	10.0	

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth set _____
Adapters—Material None Size _____

Acid Treating

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
	Halliburton Acid		1000 gal.	5-9-38	3725' to 3855'	
	Halliburton Acid		1500 gal.	5-11-38	3725' to 3855'	
	Halliburton Acid		2000 gal.	5-12-38	3725' to 3855'	

TOOLS USED

Rotary tools were used from _____ feet to 3855' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

May 23, 1938, 19... Will be Put to producing June 1, 19... 38

The production for the first 24 hours was 21 barrels of fluid of which 95 % was oil, _____ % emulsion; _____ % water; and 5 % sediment. Gravity, 86 33.8 at 60 degrees

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

Rock pressure, lbs. per sq. in. Tubing Pressure 20# - Casing Pressure 175#

EMPLOYEES

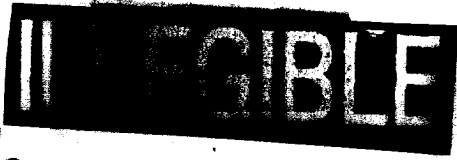
Sid Spreuse, Driller H. B. Varga, Driller
C. F. Lambert, Driller _____, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	177	177	Red Rock & Red Bed
177	767	590	Red Bed & Shells
767	1155	388	Red Bed & Red Rock
1155	1230	125	Red Rock
1230	1465	205	Anhydrite
1465	2750	1265	Salt & Anhydrite
2750	2919	169	Anhydrite
2919	2994	75	Anhydrite & Lime
2994	3010	16	Anhydrite
3010	3612	602	Lime
3612	3650	38	Gray Lime
3650	3717	67	Broken Brown Lime
3717	3825	108	Lime
3825	3842	17	Gray Lime
3842	3855	13	Lime
Total Depth			

FORMATION RECORD-Continued

FROM-	TO-	TOTAL FEET	FORMATION
Drilled By: McQueen & Clevenger - Contractors Hobbs District Request #374 Job Order MM-413			
Pay Formation: 3730' to 3774' Elevation top of derrick floor: 3571' Distance top of derrick floor to top rotary: 1'2" Distance top of derrick floor to top Oil String Bradenhead: 11'10"			



FROM-	TO-	TOTAL FEET	FORMATION
Casing Set 3730' to 3774' 10-3/4" OD 3730' to 3744' 10-3/4" OD used 100 sks El Toro 8-1/2" OD 3744' to 3774' 8-1/2" OD used 400 sks El Toro 5-1/2" OD 3774' to 3774' 5-1/2" OD used 150 sks El Toro			
Casing Cemented 3730' to 3774' 10-3/4" OD 3730' to 3744' 10-3/4" OD used 100 sks El Toro 8-1/2" OD 3744' to 3774' 8-1/2" OD used 400 sks El Toro 5-1/2" OD 3774' to 3774' 5-1/2" OD used 150 sks El Toro			

FROM-	TO-	TOTAL FEET	FORMATION
TOOL JOBS OR OTHER MATERIAL USED 3730' to 3774' 10-3/4" OD 3730' to 3744' 10-3/4" OD used 100 sks El Toro 8-1/2" OD 3744' to 3774' 8-1/2" OD used 400 sks El Toro 5-1/2" OD 3774' to 3774' 5-1/2" OD used 150 sks El Toro			

FROM-	TO-	TOTAL FEET	FORMATION
SET SHOES & FLOAT COLLAR USED 3730' to 3774' 10-3/4" OD 3730' to 3744' 10-3/4" OD used 100 sks El Toro 8-1/2" OD 3744' to 3774' 8-1/2" OD used 400 sks El Toro 5-1/2" OD 3774' to 3774' 5-1/2" OD used 150 sks El Toro			

FROM-	TO-	TOTAL FEET	FORMATION
TOOL JOBS OR OTHER MATERIAL USED 3730' to 3774' 10-3/4" OD 3730' to 3744' 10-3/4" OD used 100 sks El Toro 8-1/2" OD 3744' to 3774' 8-1/2" OD used 400 sks El Toro 5-1/2" OD 3774' to 3774' 5-1/2" OD used 150 sks El Toro			

FROM-	TO-	TOTAL FEET	FORMATION
SHOOTING RECORD 3730' to 3774' 10-3/4" OD 3730' to 3744' 10-3/4" OD used 100 sks El Toro 8-1/2" OD 3744' to 3774' 8-1/2" OD used 400 sks El Toro 5-1/2" OD 3774' to 3774' 5-1/2" OD used 150 sks El Toro			

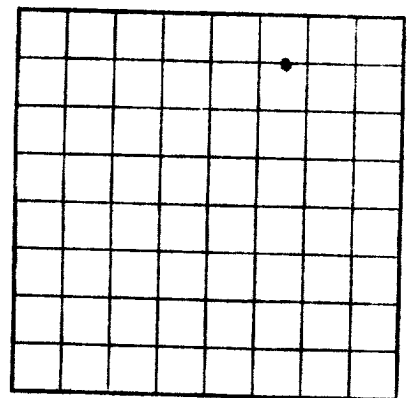
FROM-	TO-	TOTAL FEET	FORMATION
MUDDING AND CEMENTING RECORD 3730' to 3774' 10-3/4" OD 3730' to 3744' 10-3/4" OD used 100 sks El Toro 8-1/2" OD 3744' to 3774' 8-1/2" OD used 400 sks El Toro 5-1/2" OD 3774' to 3774' 5-1/2" OD used 150 sks El Toro			

FROM-	TO-	TOTAL FEET	FORMATION
HISTORY OF OIL OR GAS WELL 3730' to 3774' 10-3/4" OD 3730' to 3744' 10-3/4" OD used 100 sks El Toro 8-1/2" OD 3744' to 3774' 8-1/2" OD used 400 sks El Toro 5-1/2" OD 3774' to 3774' 5-1/2" OD used 150 sks El Toro			

FROM-	TO-	TOTAL FEET	FORMATION
CASING RECORD 3730' to 3774' 10-3/4" OD 3730' to 3744' 10-3/4" OD used 100 sks El Toro 8-1/2" OD 3744' to 3774' 8-1/2" OD used 400 sks El Toro 5-1/2" OD 3774' to 3774' 5-1/2" OD used 150 sks El Toro			

FROM-	TO-	TOTAL FEET	FORMATION
IMPORTANT WATER SANDS 3730' to 3774' 10-3/4" OD 3730' to 3744' 10-3/4" OD used 100 sks El Toro 8-1/2" OD 3744' to 3774' 8-1/2" OD used 400 sks El Toro 5-1/2" OD 3774' to 3774' 5-1/2" OD used 150 sks El Toro			

FROM-	TO-	TOTAL FEET	FORMATION
OIL OR GAS SANDS OR ZONES 3730' to 3774' 10-3/4" OD 3730' to 3744' 10-3/4" OD used 100 sks El Toro 8-1/2" OD 3744' to 3774' 8-1/2" OD used 400 sks El Toro 5-1/2" OD 3774' to 3774' 5-1/2" OD used 150 sks El Toro			



LOC OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

LEAVE OR RETURN TO PROJECT

SENIOR MEMBER

U. S. LAND OFFICE