Form 9-330

ILLEGIBLE

U. S. Land Office Las Cruces
Serial Number 045741
Lease or Permit to Prospect

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Humble Oil & Refining Co. Address Houston, Texas
Lessor or Tract Federal Fopsano Field Eunice State New Mexico
Well No. 4 Sec. 26 T 20S R 36E Meridian ____ County Lea
Location 660' ft. {N./S.} of S Line and 660 ft. {E./W.} of E Line of Section 26 Elevation 3543
(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 3-28-38 Title District Superintendent

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

Commenced drilling March 3, 1938 Finished drilling March 19, 1938

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3730 to 3850 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 From	Perforated To	Purpose
10-3/4"	40#	8	SS	150'	Texas Pattern				
7-5/8"	26.4#	8	SS	1266'11"	Halliburton Guide Shoe & Float Collar				
5-1/2"	14#	8	SS	3711'	Halliburton Guide Shoe & Float Collar				
Tubing									
2"	4.70#	10	EUE	3696'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	168'	100 Sax El Toro	Halliburton	9.0#	25 tons used in well
7-5/8"	1267'11"	400 Sax El Toro	Halliburton	9.5#	
5-1/2"	3711'	150 Sax El Toro	Halliburton	10.0#	

PLUGS AND ADAPTERS

Heaving plug—Material NONE Length ____ Depth set ____
Adapters—Material NONE Size ____

SHOOTING OR CHEMICAL TREATMENT

Acid Treating

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Halliburton		3-21-38		
		Acid	2000 gal		3730' to 3850'	

TOOLS USED

Rotary tools were used from 0 feet to 3850' feet, and from ____ feet to ____ feet
Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

March 20, 1938 ____, 19__ Well to be Put to producing April 1, 1938, 19____

The production for the first 48 hours was 36.88 barrels of fluid of which 99.8 % was oil; ____ % emulsion; ____ % water; and 0.2/10% sediment. Gravity, °Bé. 34.5 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 450# - Casing Pressure 125#

EMPLOYERS

____, Driller ____, Driller
____, Driller ____, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	170	170	Red Bed & Shells
170	775	605	Red Rock
775	975	200	Red Rock
975	1150	175	Red Rock & Anhydrite
1150	1170	20	Anhydrite
1170	1240	70	Red Rock
1240	1270	30	Anhydrite
1270	1424	154	Anhydrite & Salt
1424	2700	1276	Salt & Anhydrite
2700	2760	60	Gypsum, Salt & Anhydrite Shells
2760	2820	60	Salt & Anhydrite
2820	3000	180	Anhydrite
3000	3610	610	Lime
3610	3710	100	Broken Lime
3710	3850	140	Lime
	Total Depth		

(OVER)

FORMATION RECORD - Continued

FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION

ILLEGIBLE

Drilled by: McQueen & Clevenger - Contractors
Hobbs District Request # 369, Job Order [illegible]-408

Pay Formation: Lime 3730' to 3850'
Elevation top of derrick floor: [illegible]563'
Elevation top of Oil String bradenhead 3551'2"
Distance top derrick floor to top rotary 1'2"
Distance top [illegible] floor to top oil String bradenhead 11'10".

CASING SET

10-[illegible] OD Set [illegible] Jts. 150' at 163'
7-[illegible] OD Set [illegible] Jts 1255'[illegible] at 12[illegible]
5-1[illegible] OD set [illegible] Jts 3701' at 3711'

CASING CEMENTED

10-3/4" OD used 100 sax El Toro
7-5/8" OD used 400 sax El Toro
5-1/2" OD used 150 sax El Toro

DRILL TOOLS, PIPE OR OTHER MATERIAL LOST IN HOLE: NONE

DRILLING DATA

Commenced building rig	:	[illegible]
Commenced Rigging Up	:	[illegible]
Commenced Drilling	:	[illegible]
Completed Drilling	:	3-19-38
Completed Work	:	3-22-38

Set Shoes & Float Collar Used

With 10-3/4" OD Casing — 1- 10-3/4" OD Texas Pattern Set Shoe
With 7-5/8" OD Casing — 1-7-5/8" OD Halliburton Guide Shoe; 1-7-5/8" OD Halliburton Float Collar
With 5-1/2" OD Casing — 1-5-1/2" OD Halliburton Float Collar; 1-5-1/2" OD Halliburton Set Shoe

Orig & 2cc: U.S. Geological Survey
1cc: Mr. J. M. Sanders
Orig & 2cc: Mr. R. E. Sinclair
1cc: Mr. W. S. Oberg
1cc: Mr. J. I. Riddle
1cc: Mr. W. T. Doherty
1cc: District File

Form 9-331a
(Nov. 1948)

Indian Agency

Allottee

Lease No. Louis C. Fopeano

(SUBMIT IN TRIPLICATE)

U. S. Land Office Las Cruces

Lease or permit No. 048741

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	X
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Midland, Texas, February 15, 1940

Account #1

Well No. 4 is located 660 ft. from {S} line and 660 ft. from {E} line of sec. 26

SE/4 of SE/4 of Sec. 26 (¼ Sec. and Sec. No.) 20-South (Twp.) 36-East (Range) (Meridian)

Eunice (Field) Lea (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 3565 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Pulled 2" tubing & re-ran tubing with Robinson 3-in-1 Rubber Packer set at 3758'. Swabbed well in. Unloaded oil pumped into hole. Sheared pin in tubing at 3744' opening 1/16" hole. Well started flowing through tubing. Well flowed 47 bbls. oil on 24 hour test through 9/64" choke. Gas-oil ratio 2473.

GEOLOGICAL SURVEY
RECEIVED
FEB 16 1940
Roswell, New Mexico

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Humble Oil & Refining Company

Address Box 1600 - Midland, Texas.

By

Title Division Superintendent

U. S. GOVERNMENT PRINTING OFFICE 0—7058

Form 9-331a
(May 1939)

(SUBMIT IN TRIPLICATE)

U. S. Land Office Las Cruces

Lease or permit No. 048741

Louis C. Fopeano

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
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NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO ~~RE-DRILL OR~~ REPAIR WELL	X	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Midland, Texas February 6, 1940

Account #1

Well No. 4 is located 660 ft. from ~~N~~ S line and 660 ft. from E ~~W~~ line of sec. 26

SW/4 of SW/4 of Sec. 26 (¼ Sec. and Sec. No.) 20-South (Twp.) 36-East (Range) (Meridian)

Eunice (Field) Lea (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 3563 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

To pull 2" tubing & re-run tubing with Robinson 3-in-1 ~~Rubber~~ Rubber Packer set at approximately 3750' - 3755'. Well now flowing at rate of 54 bbls. per day with gas-oil ratio 10,567. Packer to be set in an effort to reduce gas-oil ratio.

GEOLOGICAL SURVEY
RECEIVED
1940
Roswell, New Mexico

I understand that this plan of work must receive approval in writing by the ~~Geological Survey~~ before operations may be commenced.

Company Humble Oil & Refining Company

Address Box 1600 - Midland, Texas

By J. Robinson

Title Assistant Division Superintendent

U. S. GOVERNMENT PRINTING OFFICE 16—8437

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