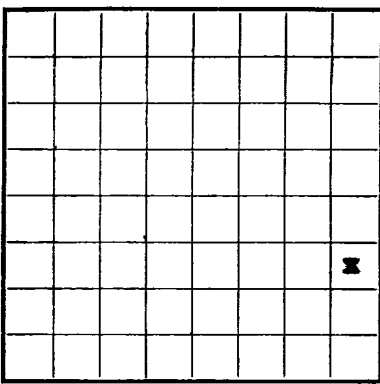


U. S. LAND OFFICE

SERIAL NUMBER **LC 060943**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **The Atlantic Refining Company** Address **Box 1038 Denver City, Texas**
Lessor or Tract **Langlie (Federal)** Field **Undesignated** State **New Mexico**
Well No. **1** Sec. **14** T25-S R37-E Meridian **NMPM** County **Lea**
Location **1650** ft. ^{N.} of **So.** Line and **330** ft. ^{E.} of **W.** Line of **Sec. 14** Elevation **5107** ^{ft.}
(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 **H.A. Carr**Date **September 3, 1959**Title **District Superintendent**

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

Commenced drilling **August 2,** 19**59** Finished drilling **August 25,** 19**59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ 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—	
9-5/8	899.45	407			Pump				
7	6015.86	1149			Pump				
2" Tbg.	5389.43								

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	899.45	407	Pump		
7	6015.86	1149	Pump		
2" Tbg.	5389.43				

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 **6020** feet, and from _____ feet to _____ feet

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

DATES

_____, 19____ Put to producing **August 31,** 19**59**

The production for the first 24 hours was **256.24** barrels of fluid of which **98.5** % was oil; **1.5** % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

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.L. Ashly _____, Driller **W.L. Albertson** _____, Driller
James Gortney _____, Driller **E.M. Wood** _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	80	80	Surface Sand
80	650	570	Red Bed
650	918	268	Anhy.
918	2103	1185	Anhy. & Salt
2103	2179	76	Anhy.
2179	2800	621	Anhy. & Gyp
2800	3418	618	Anhy & Lime
3418	6020	2602	Lime
FEET—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD—CONTINUED

AT THE END OF COPY

HOBBE

 PLEASE OR PERMIT TO PROSPECT
 SERIAL NUMBER 10 06047
 U.S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

A large rectangular area containing a fine grid of squares, intended for drawing.

LOCATE WELL CORRECTLY

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 _____

Location 1650 ft. [N] of Sec. line and 200 ft. [W] of Sec. line of _____ of _____ Elevation 3107 ft. (Driller's book relative to sea level)

Well No. 1 Sec. 14 T. 2 S. R. 11 E. 2 Meridian _____ County _____ State _____

Lessor or Trust _____ Landmark _____ Field _____ State _____

Company The Atlantic Refining Company Address Box 1019 Denver City, Texas _____

Commenced drilling August 2, 1922. Finished drilling August 12, 1922. The summary on this page is for the condition of the well at above date.

Date September 3, 1922. Title: Historic Superintendent

(Private and Confidential)

No. 1, from	to	No. 1, from	to
No. 2, from	to	No. 2, from	to
No. 3, from	to	No. 3, from	to
No. 4, from	to	No. 4, from	to

IMPORTANT WATER SANDS

-----	ot	-----	mon 8. 67	-----	ot	-----	mon 1. 67	-----
-----	ot	-----	mon 4. 67	-----	ot	-----	mon 5. 67	-----

CASING RECORD

Casting per foot	Weight per foot	Threads per inch	Size	Amount	Kind of shoe	Cost and period from beginning	Performed To—	Purpose
---------------------	--------------------	---------------------	------	--------	--------------	-----------------------------------	------------------	---------

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of sealing, together with the reasons for the work and the results. If there were any changes made in the casing, state fully, and in any diagrams, the use of the well, the kind of material used, position, and results of pumping or drilling. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or drilling. If the well has been dynamited, give date, size, position, and amount of dynamite used, and the results. If the well has been abandoned, state date, position, and reasons for abandonment. If the well is to be abandoned, state date, position, and reasons for abandonment. If the well is to be abandoned, state date, position, and reasons for abandonment.

~~HISTORY OF OIL OR GAS WELL~~

MURDERING AND CEMENTING RECORD

MUNICIPAL AND CEMENTING RECORD

Amount to be used	Kind of property	Method used	Number of copies of report	Where sent	State receiving
		Gift	100	888	10
		Gift	100	888	10

PLUGS AND ADAPTERS

Adapters-Material	Heaving plug-Material	Length	Depth and
-------------------	-----------------------	--------	-----------

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from	feet to	feet and from	feet to
Chisel tools were used from	feet to	feet and from	feet to

DATE

It was well, cu. ft. per 24 hours	10.00
Emulsion; % water; and % sediment	10.00
The production for the first 24 hours was	10.00
Part to producing	10.00

EMPLOYEES

Driller	10/10/1901	Driller	10/10/1901
Driller	10/10/1901	Driller	10/10/1901

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
916	9020	100	lime
900	910	910	shaly & lime
910	900	10	—
910	910	0	—
910	910	0	shaly
910	910	0	shaly & lime
950	910	40	shaly
90	900	900	lime
0	90	90	lime

FORMATION RECORD—Continued

AT THE END OF COMPLETE
STATE

LANGLIE (FEDERAL), WELL NO. 1

Drill Stem Tests

DST #1. Testing Blinebry 5310'. Open tool @ 12 noon for 1 hr. Tool open with strong blow air. Decreasing to weak blow 5 min. Weak blow throughout test. Closed tool @ 1:00 P.M. for 30 min. Pulled out of hole. Rec. 10' heavy oil cut DM, 120' light oil cut mud. Hyd. in 2880 IF 100 FF 140 SIP 210 Hyd. out 2880.

DST. #2. Testing Blinebry 5400-5500. Two 7½" pkrs. set @ 5400. 1" TC 5/8" BC No WC. Opened tool @ 8:50 A.M. for ¾ hrs. Tool open w/strong blow air. Gas to surface in 6 min. Head of drlg. mud @ surface in 2 hrs., Oil 2½ hrs. Clean to pit 15 min. 1 hr. flowing test 1.3 BO 1" choke TPSI 50# to 0. Shake out 2% to 0.7% wtr. SIP @ 12:30 P.M. for 30 min. SIP. Reversed out. Hyd.PSI 2900 IF 220 FF 880 SIP 2160. Hyd. out 2900. Temp. 102.

DST #3 Testing Tubbs 5790-5840. 2-7½" pkrs. set @ 5790 1" TC 5/8" BC No WC Tool open @ 9:30 A.M. for 2 hrs. Tool open w/med. blow air. Med. blow throughout test. Closed tool 11:30 A.M. for 30 min. SIP 30 Slightly gas cut DM Hyd. in 3260 IF 80 FF 80 SIP 100 Hyd. out 3186. Temp. 138.

DST #4 Testing Tubbs 5840-5895 2-7½" pkrs. set @ 5840. 1" TC 5/8" BC No WC Tool open 7:35 A.M. for 1½ hrs. Tool open w/weak incr. to strong blow. No gas to surface. Closed tool 9:05 for 30 min. SIP Rec. 1261' gas 5' oil cut DM 50' gas cut DM. Hyd. in 3280 IF 80 FF 80 SIP 140 Hyd. out 3260. Temp. 138.

DST #5 Tested Drinkard 5920-70. 2-7½" pkrs. 1" TC 5/8" BC No WC. Tool open @ 12:15 P.M. for 1½ hrs. w/weak blow increasing to strong blow in 10 min. No gas to surface. Rec. 2500' gas 30' gas cut mud w/trace oil. Hyd. in and FF 3180 IF 60 FF 60 SIP 120 Temp. 136.

DST #6 Rec. 30' oil & heavy gas cut mud. 120' oil & heavy gas cut mud. 2' free oil below shut in tool. Hyd. in 3340 IF 45 FF 100 30 min. SIP 250 Hyd. out 3280 Temp. 138°.

DST #7 2-7½" pkrs. set @ 5970 & 6020. 1" TC 5/8" BC No WC. Tool open @ 11:40 for 2 hrs. w/strong blow. No gas to surface. Shut in 30 min. Rec. 720' gas & 180' heavy gas cut mud. No visable wtr. Hyd. in 3360 IF 80 FF 140 30 min. SIP 550 Hyd. out 3360. Temp. 138°.