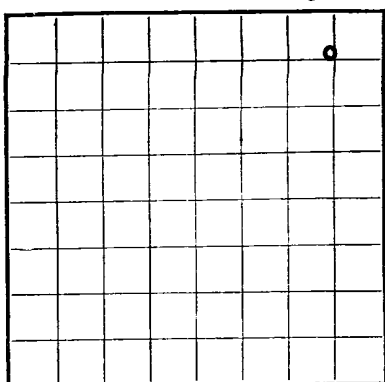


U. S. LAND OFFICE

SERIAL NUMBER

NM-06767

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
NEW MEXICO
DEC 1 1961
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DEC 3 1961

LOG OF OIL OR GAS WELL

Company G. W. Strake Address 3300 Gulf Building, Houston 2, Texas
Lessor or Tract LeBow-Federal Field South Benson-Yates State New Mexico
Well No. 5 Sec. 25 T. 19S R. 30E Meridian NMPM County Eddy
Location 660 ft. XX of N Line and 660 ft. XX of E Line of Section 25 Elevation 3370 G.L.
(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 November 29, 1961Title Supt.

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

Commenced drilling _____, 19____ Finished drilling _____, 19____

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—	
8-5/8"	24.7	8	- -	485	Larkin	- -	- -	- -	- -
4-1/2"	9.5	8	CF&I	2165	"	1400'	- -	- -	- -

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	485'	300 sks. & 3% Cal. Chl.	Plug and Displacement	10.0	Hole Filled
4-1/2"	2165'	255 sks. & 2% Cal. Chl.	"	10.0	" "
Plugged with bridge plug at 2107', cement 2107'-2095', cement 2095'-1975', cement 1450'-1350', cement 535'-435', 15 foot plug in top of surface, capped with steel plug.					
Heaving plug—Material			Length		Depth set
Adapters—Material			Size		

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Perforated 4-1/2" casing from 2115' - 2125' with 4 bullets per foot. Set bridge plug and perforated from 2074' - 2080' with 4 bullets per foot.						

TOOLS USED

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

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% 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

_____, Driller _____, Driller
Jake Lawless Drilling Co.,
_____, Driller _____, Driller
Odessa, Texas

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	500	500	Shale, caliche, sandstone and limestone ledges
500	1723	1223	(Base Massive Salt) Salt, gypsum, anhydrite
1723	1910	187	Limestone and anhydrite
Core #1 1910	1968	58	Dolomite, anhydrite and sand, show of oil in sand.
Core #2 1968	2023	55	Dolomite and Dolomitic sand with occasional show of oil in sand.
Core #3 2023	2080	57	Dolomite and dolomitic sand with occasional show of oil.
Core #4 2080	2135	55	Dolomite and dolomitic sand with occasional show of oil.
2135	2165	30	Lime
	2165		Total Depth
Electric Log TD:	2137'		
Electric Log Tops:	Base of Massive Salt	1723' (/1660)	
	Top Yates Sand	1911' (/1472)	
	Top Seven Rivers	2117' (/1266)	
No drillstem tests taken.			

FIGURE

709

LOCAL LEVEL (OVER)

PRODUCTION

16-43094-3

FORMATION RECORD—CONTINUED

LOG OF OIL OR GAS WELL

[illegible][illegible]

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
			FORMATION



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico

October 31, 1961

RECEIVED
NOV 3 1961
O. C. C.
ARTESIA, OFFICE

Mr. G. W. Strake
3300 Gulf Building
Houston 2, Texas

Dear Mr. Strake:

Your Notice of Intention to Drill Lebow-Federal well No. 5 (copy attached) in the NE¼ sec. 25, T. 19 S., R. 30 E., N.M.P.M., Eddy County, New Mexico, lease New Mexico 06767, has been forwarded to this office for approval.

Pursuant to authority delegated to me by the Director, Geological Survey on December 20, 1960, I hereby approve the Notice of Intention to Drill the Lebow-Federal well No. 5 to a depth of approximately 2,300 feet to test the Yates-Seven Rivers formations.

Please notify the District Engineer, U. S. Geological Survey, Drawer U, Artesia, New Mexico, in sufficient time for a representative to witness all cementing operations.

Very truly yours,

YONG. SGT. JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Attachment

Copy to: Washington (w/cy notice)
Mining Branch (2)(w/2cys notice)
NMOC, Artesia (2)(w/2cys notice) ✓
Artesia (w/cy notice)
Roswell office copy

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Washington, D. C.
October 10, 1916

RECEIVED
OCT 11 1916
GEOLOGICAL SURVEY
WASHINGTON, D. C.

Mr. J. H. ...
Washington, D. C.

Dear Sir: ...

... the ...

... the ...

Very truly yours,

[Signature]

Chief of Bureau

Enclosed for Mr. ...

Very truly yours,

... the ...

		X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office

Lease No. **EM - 06767**

Unit **ARTESIA**

RECEIVED

NOV 3 1961

ARTESIA OFFICE

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	X	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 RE-DRILLING 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)

Well No. **5** is located **660** ft. from **N** line and **660** ft. from **E** line of sec. **25**
NE 1/4 NE 1/4 of Sec. 25 **193** **30E** **100M**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
South Benson- Yates **Eddy** **New Mexico**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **3370** 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)

(See Attached)

RECEIVED

OCT 27 1961

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

Company **G. W. Strake**
Address **3300 Gulf Building**
Houston 2, Texas
By **C. R. Note**
Title **Prod. Supt.**

DETAILS OF WORK

It is proposed to drill a well to test the Yates and Seven Rivers formations at a maximum depth of 2300 feet. The drilling will be done with rotary tool equipment.

Surface casing will be set to the top of the Massive Salt (approximately 600 feet). This casing will be 8-5/8" OD, 24#, J-55 or equivalent. The surface casing will be cemented with a volume sufficient to circulate the annular space to the surface of the ground.

Provided commercial oil and/or gas production is obtained, production casing will be set to total depth drilled or plug-back total depth. The production casing will be 4-1/2" OD, 9.5#, J-55 grade or equivalent. It will be cemented with a volume equivalent to 150% of the annular space from the bottom of the casing to the base of the Massive Salt, or a minimum of 150 sacks, and preceded with mud laden fluid circulated to the surface of the ground.

RECEIVED
NOV 3 1961

D. C. C.
TESIA, OFFICE

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PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT
 SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

FORM C-128
Revised 5/1/57

SECTION A					
Operator G.W. Strake		Lease LeBow-Federal		Well No. 1985	
Unit Letter	Section 25	Township 19 South	Range 30 East	County Eddy	
Actual Footage Location of Well: 660 feet from the North line and 660 feet from the East					
Ground Level Elev. 3370	Producing Formation Yates - Seven Rivers		Pool	Dedicated Acreage: Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ____ . ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ____ NO ____ . If answer is "yes," Type of Consolidation ____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner G W Strake	Land Description NENE Sec. 25 T19S R30E
3500 Gulf Bldg. Houston Texas	

SECTION B			

CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name **John C. Davis**
 Position **Geologist**
 Company **G.W. Strake**
 Date **Oct. 27, 1961**

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **Oct., 27, 1961**
 Registered Professional Engineer and/or Land Surveyor
John A. Mathis Jr.
 Certificate No. **1502**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

INSTRUCTIONS FOR COMPLETION OF FORM C-128

1. Operator shall furnish and certify to the information called for in Section A.
2. Operator shall outline the dedicated acreage for *both* oil and gas wells on the plat in Section B.
3. A registered professional engineer or land surveyor registered in the State of New Mexico or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
4. All distances shown on the plat must be from the outer boundaries of the Section.
5. If additional space is needed for listing owners and their respective interests as required in question 3 of Section A, please use space below.