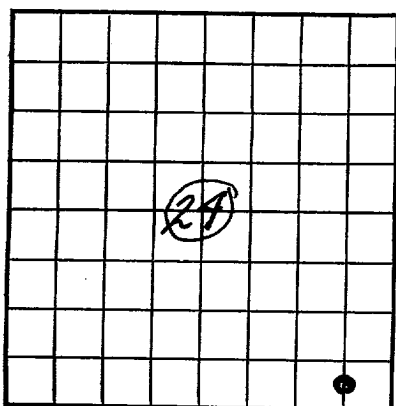
U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 063965 Phillips
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Culbertson & Irwin, Inc. Address Box 1071, Midland, Texas
Lessor or Tract Phillips Field Langlie-Mattix State New Mexico
Well No. 1 Sec. 24 T. 24 R. 36 Meridian N.M.P.M. County Lea
Location 330 ft. N. of S Line and 660 ft. E. of E Line of Section 24 Elevation 3299
(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 PresidentDate December 27, 1949

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

Commenced drilling Nov. 29, 19 49 Finished drilling Dec. 23, 19 49

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3050 to 3070 No. 4, from _____ to _____
No. 2, from 3140 to 3160 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—	
<u>8 5/8</u>	<u>249</u>	<u>1181</u>	<u>Halliburton</u>	<u>150</u>	<u>2-stage tool</u>	<u>1181</u>			<u>circulated</u>
<u>5 1/2</u>	<u>2981</u>	<u>350</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>			<u>"</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>249</u>	<u>150</u>	<u>Halliburton Cement</u>	<u>circulated</u>	
<u>5 1/2</u>	<u>2981</u>	<u>350</u>	<u>"</u>	<u>"</u>	
			<u>200 sack shoe</u>		
			<u>150 sack turn 2-stage tool</u>		<u>1181</u>

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
	<u>Not shot</u>					

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

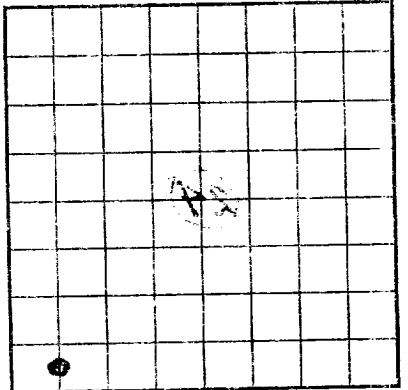
DATES

Put to producing Dec. 24, 19 49
The production for the first 24 hours was 58 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 37
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____(Production test
1676, 1676, 1676, C.P., 250, T.P.)
_____, Driller
_____, Driller
_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>120</u>	<u>120</u>	<u>Sand & gravel</u>
<u>120</u>	<u>200</u>	<u>80</u>	<u>H. shale</u>
<u>200</u>	<u>700</u>	<u>500</u>	<u>Red & gray shale</u>
<u>700</u>	<u>1110</u>	<u>410</u>	<u>Red rock</u>
<u>1110</u>	<u>1230</u>	<u>120</u>	<u>Anhydrite</u>
<u>1230</u>	<u>1300</u>	<u>70</u>	<u>Salt</u>
<u>1300</u>	<u>1400</u>	<u>100</u>	<u>Anhydrite, salt & red rock</u>
<u>1400</u>	<u>1520</u>	<u>120</u>	<u>Salt</u>
<u>1520</u>	<u>1650</u>	<u>130</u>	<u>Salt & anhydrite</u>
<u>1650</u>	<u>1900</u>	<u>250</u>	<u>Salt</u>
<u>1900</u>	<u>1950</u>	<u>50</u>	<u>Anhydrite</u>
<u>1950</u>	<u>2200</u>	<u>250</u>	<u>Salt</u>
<u>2200</u>	<u>2400</u>	<u>200</u>	<u>Salt & anhydrite</u>
<u>2400</u>	<u>2540</u>	<u>140</u>	<u>Salt</u>
<u>2540</u>	<u>2600</u>	<u>60</u>	<u>Anhydrite & salt</u>
<u>2600</u>	<u>2830</u>	<u>230</u>	<u>Salt</u>
<u>2830</u>	<u>2870</u>	<u>40</u>	<u>Anhydrite</u>
<u>2870</u>	<u>2995</u>	<u>125</u>	<u>Brown lime</u>
<u>2995</u>	<u>3050</u>	<u>55</u>	<u>Lime & sand</u>
<u>3050</u>	<u>3070</u>	<u>20</u>	<u>Sand</u>
<u>3070</u>	<u>3140</u>	<u>70</u>	<u>Lime & sand</u>
<u>3140</u>	<u>3160</u>	<u>20</u>	<u>Sand</u>
<u>3160</u>	<u>3208</u>	<u>48</u>	<u>Lime & shale</u>

FORMATION RECORD—Continued



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

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

Approved Bureau No. 42-R325
Expiry date 11-30-16

Company _____
Lessor or Trust _____
Well No. _____
Location _____ of _____ Line and _____ of _____
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.

Date _____
Signed _____
Title _____

The summary on this page is for the condition of the well at above date.
Commenced drilling _____
Finished drilling _____

OIL OR GAS SANDS OR ZONES

No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____
(Denote gas by G)

IMPORTANT WATER SANDS

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

CASING RECORD

Casing Size	Weight per foot	Threads per foot	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked", or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of charges. If pipes or bridges were put in to rest for water, state kind of material used, position, and results of pumping or running.

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Casing Size	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
2 1/2"	20'	10	Hand	1.25	100
2 1/2"	20'	10	Hand	1.25	100
2 1/2"	20'	10	Hand	1.25	100

PLUGS AND ADAPTERS

Heavy plug—Material _____
Depth set _____
Size _____
Adapters—Material _____
Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
2 1/2"	20'	10	10	10/10/16	20'	20'

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

The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ %
If gas well, cu. ft. per 24 hours _____
Rock pressure, lbs. per sq. in. _____
Gallons gasoline per 1,000 cu. ft. of gas _____
Gravity, °Be _____
Put to producing _____
10/10/16

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	100	100	100'
100	200	200	200'
200	300	300	300'
300	400	400	400'
400	500	500	500'
500	600	600	600'
600	700	700	700'
700	800	800	800'
800	900	900	900'
900	1000	1000	1000'
1000	1100	1100	1100'
1100	1200	1200	1200'
1200	1300	1300	1300'
1300	1400	1400	1400'
1400	1500	1500	1500'
1500	1600	1600	1600'
1600	1700	1700	1700'
1700	1800	1800	1800'
1800	1900	1900	1900'
1900	2000	2000	2000'
2000	2100	2100	2100'
2100	2200	2200	2200'
2200	2300	2300	2300'
2300	2400	2400	2400'
2400	2500	2500	2500'
2500	2600	2600	2600'
2600	2700	2700	2700'
2700	2800	2800	2800'
2800	2900	2900	2900'
2900	3000	3000	3000'
3000	3100	3100	3100'
3100	3200	3200	3200'
3200	3300	3300	3300'
3300	3400	3400	3400'
3400	3500	3500	3500'
3500	3600	3600	3600'
3600	3700	3700	3700'
3700	3800	3800	3800'
3800	3900	3900	3900'
3900	4000	4000	4000'
4000	4100	4100	4100'
4100	4200	4200	4200'
4200	4300	4300	4300'
4300	4400	4400	4400'
4400	4500	4500	4500'
4500	4600	4600	4600'
4600	4700	4700	4700'
4700	4800	4800	4800'
4800	4900	4900	4900'
4900	5000	5000	5000'
5000	5100	5100	5100'
5100	5200	5200	5200'
5200	5300	5300	5300'
5300	5400	5400	5400'
5400	5500	5500	5500'
5500	5600	5600	5600'
5600	5700	5700	5700'
5700	5800	5800	5800'
5800	5900	5900	5900'
5900	6000	6000	6000'
6000	6100	6100	6100'
6100	6200	6200	6200'
6200	6300	6300	6300'
6300	6400	6400	6400'
6400	6500	6500	6500'
6500	6600	6600	6600'
6600	6700	6700	6700'
6700	6800	6800	6800'
6800	6900	6900	6900'
6900	7000	7000	7000'
7000	7100	7100	7100'
7100	7200	7200	7200'
7200	7300	7300	7300'
7300	7400	7400	7400'
7400	7500	7500	7500'
7500	7600	7600	7600'
7600	7700	7700	7700'
7700	7800	7800	7800'
7800	7900	7900	7900'
7900	8000	8000	8000'
8000	8100	8100	8100'
8100	8200	8200	8200'
8200	8300	8300	8300'
8300	8400	8400	8400'
8400	8500	8500	8500'
8500	8600	8600	8600'
8600	8700	8700	8700'
8700	8800	8800	8800'
8800	8900	8900	8900'
8900	9000	9000	9000'
9000	9100	9100	9100'
9100	9200	9200	9200'
9200	9300	9300	9300'
9300	9400	9400	9400'
9400	9500	9500	9500'
9500	9600	9600	9600'
9600	9700	9700	9700'
9700	9800	9800	9800'
9800	9900	9900	9900'
9900	10000	10000	10000'

FORMATION RECORD—Continued