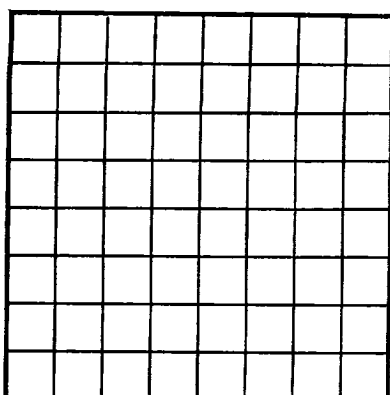


U. S. LAND OFFICE **LAS CRUCES**SERIAL NUMBER **050349A**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company James E. Hughes Address Mrs. Grace McDonald Phillips
Lessor or Tract Lucia Brooks Field Red Lake State New Mexico
Well No. 6 Sec. 19 T. 17S R. 28E Meridian NMPM County Eddy
Location 1760 ft. N of 1 Line and 220 ft. E of 1 Line of section 19 Elevation _____
(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.

Date Sept 16, 1941 Signed /s/ James E. Hughes
by Grace McDonald Phillips
Title Attorney-in-Fact

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

Commenced drilling August 7, 1941, 19____ Finished drilling September 8,, 19____ 41

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 530 to 545 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 167 to 180 No. 3, from _____ to _____
263 270 No. 4, from _____ to _____
No. 2, 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>6-5/8 21</u>	<u>10</u>	<u>10</u>	<u>Lap</u>	<u>306</u>	<u>Texas</u>	<u>11</u>			<u>shot off water</u>
<u>5-3/16 17</u>	<u>11</u>	<u>11</u>	<u>Lap</u>	<u>506</u>	<u>Texas</u>				<u>prod.</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>5-3/16</u>	<u>506</u>	<u>10 sacks</u>	<u>W. Tex. Cementing Co.</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>500</u>	<u>Galons acid</u>			<u>9-6</u>	<u>from 530-556'</u>	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 556' 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

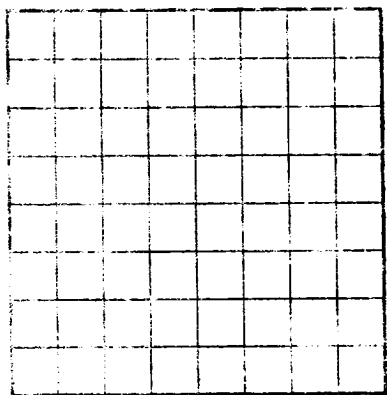
Jim Woosley, Driller J. E. Smith, Driller
Jack Gilbreath, Driller L. G. Haddock, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>15</u>	<u>15</u>	<u>Gyp</u>
<u>15</u>	<u>57</u>	<u>42</u>	<u>Red Rock</u>
<u>57</u>	<u>73</u>	<u>16</u>	<u>Anhy</u>
<u>73</u>	<u>105</u>	<u>32</u>	<u>Anhy</u>
<u>105</u>	<u>115</u>	<u>10</u>	<u>Blue shale</u>
<u>115</u>	<u>145</u>	<u>30</u>	<u>Anhy</u>
<u>145</u>	<u>150</u>	<u>5</u>	<u>Sandy blue lime</u>
<u>150</u>	<u>167</u>	<u>17</u>	<u>Anhy, sandy first water</u>
<u>167</u>	<u>220</u>	<u>53</u>	<u>Anhy</u>
<u>220</u>	<u>283</u>	<u>63</u>	<u>Red bed, sandy second water</u>
<u>283</u>	<u>300</u>	<u>17</u>	<u>Anhy</u>
<u>300</u>	<u>308</u>	<u>8</u>	<u>Red rock</u>
<u>308</u>	<u>337</u>	<u>29</u>	<u>Anhy, red mud</u>
<u>337</u>	<u>345</u>	<u>8</u>	<u>Anhy carrying some sulphur</u>
<u>345</u>	<u>370</u>	<u>25</u>	<u>Anhy</u>
<u>370</u>	<u>375</u>	<u>5</u>	<u>Sandy lime</u>
<u>375</u>	<u>389</u>	<u>14</u>	<u>Red rock</u>
<u>389</u>	<u>408</u>	<u>19</u>	<u>Anhy</u>
<u>408</u>	<u>440</u>	<u>32</u>	<u>Broken gray lime</u>
<u>440</u>	<u>464</u>	<u>24</u>	<u>Anhy and lime very hard</u>
<u>464</u>	<u>480</u>	<u>16</u>	<u>Broken white lime</u>
<u>480</u>	<u>508</u>	<u>28</u>	<u>Lime light</u>
<u>508</u>	<u>530</u>	<u>22</u>	<u>Light brown lime broken</u>
<u>530</u>	<u>545</u>	<u>15</u>	<u>Broken sandy lime, showing oil</u>
<u>545</u>	<u>556</u>	<u>11</u>	<u>Lime turning very light</u>

(OVER)

FORMATION RECORD—CONTINUED



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

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.

Location of well in Township and Range of Section, Range, and Township, State, and County, U.S.A.

Well No. _____

Section _____ Township _____ Range _____ State _____ County _____

Address of Owner _____

State _____

County _____

Date _____

Time _____

By _____

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 _____

No. 4 from _____ to _____

No. 5 from _____ to _____

No. 6 from _____ to _____

No. 7 from _____ to _____

No. 8 from _____ to _____

No. 9 from _____ to _____

No. 10 from _____ to _____

IMPORTANT WATER SANDS

No. 1 from _____ to _____

No. 2 from _____ to _____

No. 3 from _____ to _____

No. 4 from _____ to _____

No. 5 from _____ to _____

No. 6 from _____ to _____

No. 7 from _____ to _____

No. 8 from _____ to _____

No. 9 from _____ to _____

No. 10 from _____ to _____

CASING RECORD

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 "struck" or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

FROM	TO	TOTAL FEET	FORMATION
0	10	10	Shale
10	20	20	Shale
20	30	30	Shale
30	40	40	Shale
40	50	50	Shale
50	60	60	Shale
60	70	70	Shale
70	80	80	Shale
80	90	90	Shale
90	100	100	Shale
100	110	110	Shale
110	120	120	Shale
120	130	130	Shale
130	140	140	Shale
140	150	150	Shale
150	160	160	Shale
160	170	170	Shale
170	180	180	Shale
180	190	190	Shale
190	200	200	Shale
200	210	210	Shale
210	220	220	Shale
220	230	230	Shale
230	240	240	Shale
240	250	250	Shale
250	260	260	Shale
260	270	270	Shale
270	280	280	Shale
280	290	290	Shale
290	300	300	Shale
300	310	310	Shale
310	320	320	Shale
320	330	330	Shale
330	340	340	Shale
340	350	350	Shale
350	360	360	Shale
360	370	370	Shale
370	380	380	Shale
380	390	390	Shale
390	400	400	Shale
400	410	410	Shale
410	420	420	Shale
420	430	430	Shale
430	440	440	Shale
440	450	450	Shale
450	460	460	Shale
460	470	470	Shale
470	480	480	Shale
480	490	490	Shale
490	500	500	Shale
500	510	510	Shale
510	520	520	Shale
520	530	530	Shale
530	540	540	Shale
540	550	550	Shale
550	560	560	Shale
560	570	570	Shale
570	580	580	Shale
580	590	590	Shale
590	600	600	Shale
600	610	610	Shale
610	620	620	Shale
620	630	630	Shale
630	640	640	Shale
640	650	650	Shale
650	660	660	Shale
660	670	670	Shale
670	680	680	Shale
680	690	690	Shale
690	700	700	Shale
700	710	710	Shale
710	720	720	Shale
720	730	730	Shale
730	740	740	Shale
740	750	750	Shale
750	760	760	Shale
760	770	770	Shale
770	780	780	Shale
780	790	790	Shale
790	800	800	Shale
800	810	810	Shale
810	820	820	Shale
820	830	830	Shale
830	840	840	Shale
840	850	850	Shale
850	860	860	Shale
860	870	870	Shale
870	880	880	Shale
880	890	890	Shale
890	900	900	Shale
900	910	910	Shale
910	920	920	Shale
920	930	930	Shale
930	940	940	Shale
940	950	950	Shale
950	960	960	Shale
960	970	970	Shale
970	980	980	Shale
980	990	990	Shale
990	1000	1000	Shale