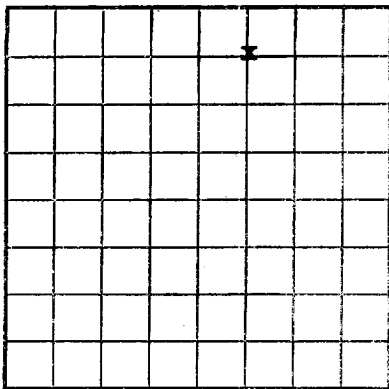


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 0-31621-B
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Phillips Petroleum Company Address Bartlesville, Oklahoma
Lessor or Tract Patsy Field Monument State New Mexico
Well No. 1 Sec. 18 T. 20S R. 37E Meridian N.M.P.M. County Lea
Location 660 ft. XX of N Line and 660 ft. XX of W Line of NE/4 Sec 18 Elevation 3566
(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 /s/ Earl GriffinDate February 12, 1937Title Dist. Supt.

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

Commenced drilling January 1, 1937 Finished drilling February 9, 1937

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3803 to 3825 No. 4, from _____ to _____
No. 2, from 3830 to 3855 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from Not logged - drilled with rotary 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>13"</u>	<u>35#</u>	<u>8</u>	<u>Armco</u>	<u>279'</u>	<u>None</u>	<u>Pulled 16'</u>			
<u>9-5/8"</u>	<u>36#</u>	<u>8</u>	<u>SS</u>	<u>1068.10</u>	<u>Howco</u>				
<u>7" OD</u>	<u>24#</u>	<u>8</u>	<u>SS</u>	<u>3793.4</u>	<u>Howco</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13"</u>	<u>279'</u>	<u>250</u>	<u>Halliburton</u>		
<u>9-5/8"</u>	<u>1068.10</u>	<u>300</u>	<u>Halliburton</u>		
<u>7" OD</u>	<u>3793.4</u>	<u>400</u>	<u>Halliburton</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

TOOLS USED

Rotary tools were used from Surface feet to 3855 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 50 minutes was 171 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 33.0

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
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>35</u>	<u>35</u>	<u>Caliche and Sand</u>
<u>35</u>	<u>306</u>	<u>271</u>	<u>Red Bed</u>
<u>306</u>	<u>326</u>	<u>26</u>	<u>Red Bed and Shale</u>
<u>326</u>	<u>640</u>	<u>314</u>	<u>Shale and Shells</u>
<u>640</u>	<u>760</u>	<u>120</u>	<u>Red Rock</u>
<u>760</u>	<u>925</u>	<u>165</u>	<u>Shale and Shells</u>
<u>925</u>	<u>942</u>	<u>17</u>	<u>Shale</u>
<u>942</u>	<u>1029</u>	<u>87</u>	<u>Red Rock and Shale</u>
<u>1029</u>	<u>1125</u>	<u>96</u>	<u>Anhydrite</u>
<u>1125</u>	<u>1310</u>	<u>185</u>	<u>Shale, Salt, Anhydrite and Shells</u>
<u>1310</u>	<u>1340</u>	<u>30</u>	<u>Salt and Anhydrite</u>
<u>1340</u>	<u>1710</u>	<u>370</u>	<u>Salt, Anhydrite and Shells</u>
<u>1710</u>	<u>1838</u>	<u>128</u>	<u>Salt and Anhydrite</u>
<u>1838</u>	<u>2261</u>	<u>425</u>	<u>Salt, Anhydrite and Shells</u>
<u>2261</u>	<u>2341</u>	<u>80</u>	<u>Salt, Anhydrite and Shells</u>
<u>2341</u>	<u>2475</u>	<u>134</u>	<u>Anhydrite</u>
<u>2475</u>	<u>2903</u>	<u>428</u>	<u>Anhydrite and Lime</u>
<u>2903</u>	<u>2945</u>	<u>42</u>	<u>Anhydrite, Lime, Shells & Salt</u>
<u>2945</u>	<u>3086</u>	<u>141</u>	<u>Anhydrite and Lime</u>
<u>3086</u>	<u>3326</u>	<u>240</u>	<u>Lime</u>
<u>3326</u>	<u>3380</u>	<u>54</u>	<u>Sandy Lime</u>
<u>3380</u>	<u>3803</u>	<u>423</u>	<u>Lime</u>
<u>3803</u>	<u>3841</u>	<u>30</u>	<u>Lime</u>
<u>3841</u>	<u>3855</u>	<u>14</u>	<u>Lime and Shells</u>

(OVER)

FORMATION RECORD—Continued

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 the date, size, 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.