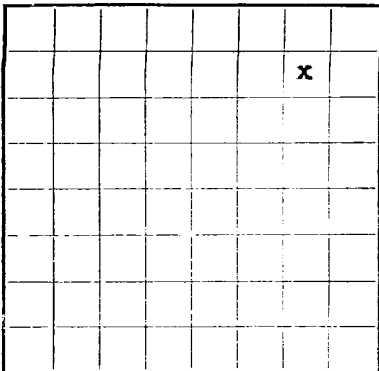


Btvl -1
Region -1
File -1

THIS COPY FOR

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.U. S. LAND OFFICE New Mexico
SERIAL NUMBER 02805
LEASE OR PERMIT TO PROSPECT 311

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Phillips Petroleum Address P. O. Box 939, Aztec
Lessor or Tract _____ Field Wildcat State New Mexico
Well No. Mesa 1-14 Sec. 14 T. 28N R. 6W Meridian N.M.P.M. County Rio Arriba
Location 990 ft. N. of N Line and 990 ft. E. of E Line of Section 14 Elevation 6460 62

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

*Earl Stumm*Date August 28, 1953Title District Superintendent

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

Commenced drilling June 29, 1953 Finished drilling August 6 4, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3120 to 3240 G No. 4, from 5483 to 5703 G
No. 2, from 3240 to 3430 G No. 5, from _____ to _____
No. 3, from 5012 to 5180 G No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 2960 to 3120 No. 3, from _____ to _____
No. 2, from 3120 to 3240 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>10-3/4"</u>	<u>21.63</u>	<u>SJ</u>	<u>Armco</u>	<u>162'</u>	<u>Baker</u>				
<u>7"</u>	<u>23 1/2</u>	<u>8RD</u>	<u>J-55</u>	<u>2766'</u>	<u>Halliburton</u>				
<u>7"</u>	<u>20 1/2</u>	<u>8RD</u>	<u>J-55</u>	<u>1945'</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4"</u>	<u>172'</u>	<u>195 sax reg.</u>	<u>Halliburton</u>		
<u>7"</u>	<u>4931.91'</u>	<u>250 sax reg w 3%</u>			
		<u>gel & 1/4 of 1 pound</u>			
		<u>Floccal per sack</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
		<u>DuPont SNG</u>	<u>1932 qts</u>	<u>8/5/53</u>	<u>5015-5703</u>	

TOOLS USED

Rotary tools were used from 0 feet to 4933 feet, and from 4933 feet to 5703 feet

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

DATES

_____ August 24, 1953 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 3210 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1064 In compliance with New Mexico regulations, the well was shut in 16 days and tested thru a 2" 4 1/2 tube with a mercury manometer.

_____G. E. Mileham, Lee Fran._____, Driller
_____, Driller
_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>2690</u>	<u>2690</u>	<u>sand and shale</u>
<u>2960</u>	<u>3120</u>	<u>160</u>	<u>shale with scattered sand beds</u>
<u>3120</u>	<u>3240</u>	<u>120</u>	<u>sand, shale and coal</u>
<u>3240</u>	<u>3430</u>	<u>190</u>	<u>sand with coal stringers</u>
<u>3430</u>	<u>5012</u>	<u>1582</u>	<u>shale</u>
<u>5012</u>	<u>5180</u>	<u>168</u>	<u>sand and shale</u>
<u>5180</u>	<u>5483</u>	<u>303</u>	<u>sand, shale and coal</u>
<u>5483</u>	<u>5703</u>	<u>220</u>	<u>sand and shale</u>

(OVER)

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
			FORMATION TOPS
			Kirtland 2690
			Frutland 3120
			Pictured Cliffs 3240
			Lewis 3430
			Cliff House 5012
			Menefee 5180
			Point Lookout 5483

HISTORY OF OIL OR GAS WELL

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, 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.