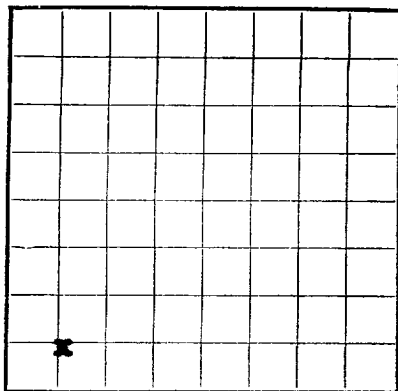


4 - U.S.G.S.
1 - Bvile.
1 - Region
1 - FileBudget Bureau No. 42-R-355.3.
Approval expires 12-31-55.U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078740LEASE OR PERMIT TO PROSPECT
San Juan Unit 30-5UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Phillips Petroleum Company Address P.O. Box 939, Astec, New Mexico
Lessor or Tract _____ Field Wildcat State New Mexico
Unit 30-5 Mesa
Well No. 6-19 Sec. 19 T. 30N R. 5W Meridian NMPM County Rio Arriba
Location 660 ft. [N.] of S Line and 660 ft. [E.] of W Line of SW/4 Sec. 19 Elevation 6296 ground
(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 Earl StummDate April 28, 1954Title District Superintendent

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

Commenced drilling July 12, 1953, 19____ Finished drilling August 26, 19 53

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2888 to 3082 No. 4, from 5203 to 5420
No. 2, from 3082 to 3334 No. 5, from 5420 to 5670
No. 3, from 5136 to 5203 No. 6, from 7023 to 7976

IMPORTANT WATER SANDS

No. 1, from 2295 to 2503 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>13-3/8</u>	<u>48#</u>	<u>8-2</u>	<u>H-40</u>	<u>347'</u>	<u>Howee</u>				
<u>8-5/8</u>	<u>34#</u>	<u>8-2</u>	<u>H-40</u>	<u>1386'</u>	<u>Howee</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13-3/8</u>	<u>364'</u>	<u>425</u>	<u>Halliburton</u>		
<u>8-5/8</u>	<u>5398</u>	<u>600</u>	<u>Halliburton</u>		

PLUGS AND ADAPTERS

Running plug—Material Howee DM Packer Length _____ Depth set 5902
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
	<u>None</u>	<u>S&W #1</u>	<u>640 qts</u>	<u>11-10-53</u>	<u>5445-5700</u>	<u>5700</u>

TOOLS USED

Rotary tools were used from 0 feet to 7976 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

December 30, 19 53 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 206,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 3894

EMPLOYEES

J. B. Mann - Lease Foreman Driller XXXX _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>2295</u>	<u>2295</u>	<u>Sands and shale.</u>
<u>2295</u>	<u>2503</u>	<u>208</u>	<u>Sandstone w/ some shale.</u>
<u>2503</u>	<u>2888</u>	<u>385</u>	<u>Sahle w/ some sand.</u>
<u>2888</u>	<u>3082</u>	<u>194</u>	<u>Interbedded sand, shale and coal.</u>
<u>3082</u>	<u>3334</u>	<u>252</u>	<u>Sandstone, shale stringers, trace of coal</u> <u>in upper part.</u>
<u>3334</u>	<u>5136</u>	<u>1802</u>	<u>Shale, grey to black, sand in middle & lower part</u>
<u>5136</u>	<u>5203</u>	<u>67</u>	<u>Sandstone, shale stringers</u>
<u>5203</u>	<u>5420</u>	<u>217</u>	<u>Sandstone, shale, and coal.</u>
<u>5420</u>	<u>5670</u>	<u>250</u>	<u>Sandstone, shale stringers.</u>
<u>5670</u>	<u>7023</u>	<u>1353</u>	<u>Shale, buff to dark grey.</u>
<u>7023</u>	<u>7402</u>	<u>379</u>	<u>Shale, dark grey to black.</u>
<u>7402</u>	<u>7601</u>	<u>199</u>	<u>Limy shales, some sand.</u>
<u>7601</u>	<u>7848</u>	<u>247</u>	<u>Quartzite, light to medium grey.</u>
<u>7848</u>	<u>7976</u>	<u>128</u>	<u>Sandstone, grey w/ some shale.</u>
<u>FORMATION TOPS</u>			
<u>Ojo Alamo</u>	<u>2295</u>		<u>Mancos</u> <u>5670</u>
<u>Kirtland</u>	<u>2503</u>		<u>Tocita</u> <u>7023</u>
<u>Fruitland</u>	<u>2888</u>		<u>Greenhorn</u> <u>7402</u>
<u>Pictured Cliffs</u>	<u>3082</u>		<u>Dakota</u> <u>7601</u>
<u>Lewis</u>	<u>3334</u>		<u>Morrison</u> <u>7848</u>
<u>Cliff House</u>	<u>5136</u>		
<u>Manefee</u>	<u>5203</u>		
<u>Pt. Lookout</u>	<u>5420</u>		

10-43094-8

