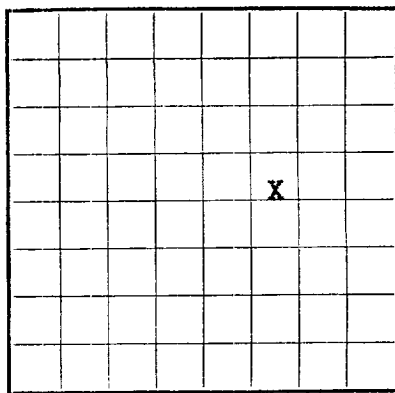


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 078931-B
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Tenneco Corp., acting by & thru its
Company managing agent, Tenneco Oil Co. Address P. O. Box 1714, Durango, Colorado
Lessor or Tract USA Glenn H. Callow "B" Field Cha Cha Gallup State New Mexico
Well No. 3 Sec. 31 T. 29N R. 13W Meridian N.M.P.M. County San Juan
Location 2310 ft. ^(N) of N Line and 1650 ft. ^(W) of E Line of Section 31 Elevation 5866 GL
(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 J. J. LaceyDate February 15, 1962Title District Petroleum Engineer

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

Commenced drilling November 5, 1961 Finished drilling November 14, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5543 to 5549 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 None 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>3-5/8</u>	<u>24</u>	<u>8 rd</u>	<u>CP&I</u>	<u>106</u>	<u>Guide</u>				<u>Surface</u>
<u>5-1/2</u>	<u>14</u>	<u>8 rd</u>	<u>CP&I</u>	<u>6314</u>	<u>Pilot</u>		<u>5543</u>	<u>5549</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>3-5/8</u>	<u>140</u>	<u>100</u>	<u>Two Plug</u>		
<u>5-1/2</u>	<u>6323</u>	<u>250</u>	<u>Two Plug</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 0 feet to 618 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES Potential Test: Pumped 19 B0, 24 hrs, 2 x1-1/2 x 12"; 13 BPM; 42 strokes, 1962
Put to producing February 14

The production for the first 24 hours was 19 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

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>11</u>	<u>11</u>	<u>KB to ground level</u>
<u>11</u>	<u>1495</u>	<u>1484</u>	<u>Sandstone and shale</u>
<u>1495</u>	<u>1665</u>	<u>170</u>	<u>Sand</u>
<u>1665</u>	<u>2390</u>	<u>725</u>	<u>Shale</u>
<u>2390</u>	<u>4340</u>	<u>1950</u>	<u>Sand and sandy shale</u>
<u>4340</u>	<u>5225</u>	<u>885</u>	<u>Shale</u>
<u>5225</u>	<u>5550</u>	<u>325</u>	<u>Shaly and sandy shale</u>
<u>5550</u>	<u>6100</u>	<u>550</u>	<u>Liney shale</u>
<u>6100</u>	<u>6323</u>	<u>223</u>	<u>Sandstone and shale</u>
Electric Log Tops			
			<u>Kirtland 300</u>
			<u>Farmington Fruitland 560</u>
			<u>Pictured Cliffs 1500</u>
			<u>Lewis Shale 1645</u>
			<u>Mesaverde 2420</u>
			<u>Mancos Shale 4290</u>
			<u>Gallup 5185</u>
			<u>Greenhorn 6015</u>
			<u>Dakota 6115</u>
			<u>TD 6323</u>

