

U. S. LAND OFFICE New Mexico
SERIAL NUMBER LC 66189
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Panther City Investment Company Address Box 1178 Manassas, Texas
Lessor or Tract Perry-Federal Field Paduca-Deleware State New Mexico
Well No. 38 Sec. 21 T. 25S R. 32E Meridian NM County Lea
Location 660 ft. N. of 8 Line and 1980 ft. E. of 5 Line of Sec 21 Elevation 3400.6' W.
(Derriek 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 Allen SmithDate March 20, 1961Title Asst. Division Office Manager

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

Commenced drilling March 4, 1961 Finished drilling March 11, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4600 to 4604 No. 4, from _____ to _____
No. 2, from 4605 to 4705 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>2-5/8"</u>	<u>26</u>	<u>8</u>	<u>JAL</u>	<u>385.53</u>	<u>Ball</u>	<u>None</u>			<u>Cementing</u>
<u>1-1/2"</u>	<u>17</u>	<u>8</u>	<u>JAL</u>	<u>128.30</u>	<u>Ball</u>	<u>None</u>			<u>Production</u>
<u>2-3/8"</u>	<u>26</u>	<u>8</u>	<u>JAL</u>	<u>141.48</u>	<u>Ball</u>	<u>None</u>			<u>Production</u>
Casing perforations: <u>(4604' to 4632') (4637' to 4705') (4750' to 4757')</u>									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>2-5/8"</u>	<u>399.33</u>	<u>35</u>	<u>RP</u>	<u>15.2</u>	<u>Hole Full</u>
<u>1-1/2"</u>	<u>474.79</u>	<u>25</u>	<u>RP</u>	<u>14.6</u>	<u>Hole Full</u>
<u>2-3/8"</u>	<u>459.68</u>	<u>Swag</u>		<u>Water</u>	<u>Hole Full</u>

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>Completed natural</u>						

TOOLS USED

Rotary tools were used from 0 feet to 4750 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

March 20, 1961 Put to producing March 14, 1961

The production for the first 24 hours was 49.48 barrels of fluid of which 100 % was oil; No %
emulsion; No % water; and No % sediment. Gravity, °Bé. 41.0 at 60 deg.

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. G. Martin, Driller Ray Williams, Driller
O. E. Cross, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>776</u>	<u>776</u>	<u>Caliche, Gyp & Red Bed</u>
<u>776</u>	<u>1175</u>	<u>399</u>	<u>Anhydrite & Dolomite</u>
<u>1175</u>	<u>4553</u>	<u>1378</u>	<u>Salt & Anhydrite</u>
<u>4553</u>	<u>4588</u>	<u>35</u>	<u>Black Lime</u>
<u>4588</u>	<u>4666</u>	<u>78</u>	<u>Sand</u>
<u>4666</u>	<u>4750</u>	<u>84</u>	<u>Sand & Shale - Total Depth</u>
	<u>4716</u>		<u>Plug Back Total Depth</u>
GEOLOGICAL TOPS			
<u>Top Rustler Anhydrite</u>		<u>776'</u>	
<u>Top Rustler Dolomite</u>		<u>82'</u>	
<u>Base Rustler Dolomite</u>		<u>1000'</u>	
<u>Top Salt</u>		<u>1175'</u>	
<u>Base Salt</u>		<u>1333'</u>	
<u>Top Delaware Lime</u>		<u>1553'</u>	
<u>Top Delaware Sand</u>		<u>1588'</u>	
<u>Total Depth</u>		<u>4750'</u>	
<u>Plug Back Total Depth</u>		<u>4716'</u>	
No cores cut - No DST taken.			

ILLEGIBLE

