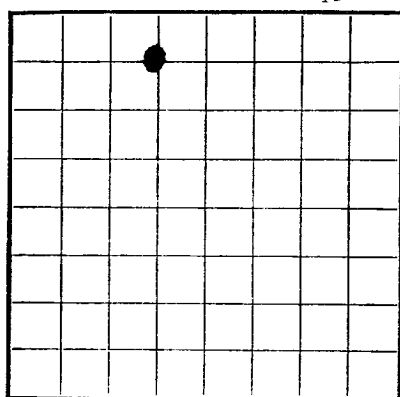


FEB 17 1961

STANLEY

U. S. LAND OFFICE New MexicoSERIAL NUMBER LC 061869

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Panther City Investment Company Address Box 1178 Monahans, Texas
Lessor or Tract Perry Federal Field Paduca (Delaware) State New Mexico
Well No. 7 Sec. 21 T. 25S R. 32E Meridian 10E County Lea
Location 660 ft. (N) of N Line and 1980 ft. (E) of N Line of Section 21 Elevation 3413' DB.
(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 Allen BorichDate February 15, 1961 Title Asst. Div. Off. Gr.

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

Commenced drilling January 31, 1961 Finished drilling February 9, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1580' to 1630' 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 Detected 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>7-5/8"</u>	<u>382.99</u>	<u>275</u>	<u>API</u>	<u>178.99</u>	<u>API</u>	<u>1580' to 1630'</u>	<u>Open</u>	<u>1580' to 1630'</u>	<u>Production</u>
<u>4-1/2"</u>	<u>4730.36</u>	<u>150</u>	<u>API</u>	<u>178.99</u>	<u>API</u>	<u>1630' to 1650'</u>	<u>Open</u>	<u>1630' to 1650'</u>	<u>Production</u>
<u>2-3/8"</u>	<u>4637.97</u>	<u>300</u>	<u>API</u>	<u>178.99</u>	<u>API</u>	<u>1650' to 1670'</u>	<u>Open</u>	<u>1650' to 1670'</u>	<u>Production</u>
Casing perforations: <u>(1580' to 1630') - (1630' to 1650')</u>									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>7-5/8"</u>	<u>382.99</u>	<u>275</u>	<u>P&P</u>	<u>15.8</u>	<u>Hole Full</u>
<u>4-1/2"</u>	<u>4730.36</u>	<u>150</u>	<u>P&P</u>	<u>14.8</u>	<u>Hole Full</u>
<u>2-3/8"</u>	<u>4637.97</u>	<u>300</u>	<u>Water</u>	<u>Water</u>	<u>Hole Full</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>None</u>	<u>Completed</u>	<u>Natural</u>				

TOOLS USED

Rotary tools were used from _____ feet to 4755 feet, and from _____ feet to _____ feet

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

DATES

February 15, 1961 Put to producing February 13, 1961The production for the first 24 hours was 44.36 barrels of fluid of which 61 % was oil; _____ %emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 100 NoIf gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas 41.7 at 60 deg.

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. G. Kardin, Driller Ray Williams, DrillerC. E. Green, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>713</u>	<u>713</u>	<u>Sand & Red Bed</u>
<u>713</u>	<u>945</u>	<u>232</u>	<u>Anhydrite & Dolomite</u>
<u>945</u>	<u>1095</u>	<u>150</u>	<u>Sand & Shale</u>
<u>1095</u>	<u>1128</u>	<u>33</u>	<u>Anhydrite</u>
<u>1128</u>	<u>2875</u>	<u>1747</u>	<u>Salt w/Anhydrite Stringers</u>
<u>2875</u>	<u>4533</u>	<u>1658</u>	<u>Anhydrite & Salt</u>
<u>4533</u>	<u>4568</u>	<u>35</u>	<u>Black Shale</u>
<u>4568</u>	<u>4630</u>	<u>62</u>	<u>Sand</u>
<u>4630</u>	<u>4650</u>	<u>20</u>	<u>Black sandy Shale</u>
<u>4650</u>	<u>4755</u>	<u>105</u>	<u>Shaley Sand - Total Depth</u>
	<u>4702</u>		<u>Plug Back Total Depth</u>
GEOLOGICAL TOPS			
Top Ruler		<u>713'</u>	
Top Salt		<u>1128'</u>	
Base Salt		<u>4312'</u>	
Top Delaware Line		<u>4533'</u>	
Top Delaware Sand		<u>4568'</u>	
Top Pay		<u>4594'</u>	
Total Depth		<u>4755'</u>	
Plug Back Total Depth		<u>4702'</u>	
Notes: No cores cut - NO DST tests taken.			

ILLEGIBLE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TOG OF OIL OR GAS WELL

YLTOSTROU, NEW 277 200

Address: 1111 1st Street, N.W.
City: Washington, D.C.
State: D.C.
Country: U.S.A.
Telephone: 202-462-1234
Fax: 202-462-1234
E-mail: john.doe@whitehouse.gov
Signature: [Signature]
Printed Name: John Doe

(Continued drilling) _____ If _____ finished drilling _____
The amount on this page is for the condition of the well at above date.

OIL OR GAS SANDS OR ZONES

(b) (5) DPP, (b) (5) ACP

No. 4 from	to	No. 4 from	to
No. 5 from	to	No. 5 from	to
No. 6 from	to	No. 6 from	to

IMPORTANT WATER SANDS

No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____
No. 4 from _____ to _____

CASING RECORD

Name of well	Depth, feet	Direction of flow	Kind of shoe	Cut and pulled from	From	To—	Purpose
Name of well	Depth, feet	Direction of flow	Kind of shoe	Cut and pulled from	From	To—	Purpose

NUDDING AND CEMENTING RECORD

Serial	Date set	Number acres of cement	Method used	Mud gravity	Amount used to form
412	10/1/35	35	100	1.25	100
413	10/1/35	35	100	1.25	100
414	10/1/35	35	100	1.25	100

PLUGS AND ADAPTERS

	Depth	Length	Weight	Age	Sex	Remarks

SHOOTING RECORD

Item	Quantity	Date	Initials	Depth cleared out
1000 - 10000				

NOTES

Foot	from heel	to toe
Foot	from heel	to toe

SETAD

Galton estimate per 1000 cu. ft. of gas
1.51
Gravity, lbs.
120
barrels of fluid of which
10 was oil
But no producing

EMPLOYERS

1. (b)(1) (b)(2) (b)(3) (b)(4) (b)(5) (b)(6) (b)(7) (b)(8) (b)(9) (b)(10) (b)(11) (b)(12) (b)(13) (b)(14) (b)(15) (b)(16) (b)(17) (b)(18) (b)(19) (b)(20) (b)(21) (b)(22) (b)(23) (b)(24) (b)(25) (b)(26) (b)(27) (b)(28) (b)(29) (b)(30) (b)(31) (b)(32) (b)(33) (b)(34) (b)(35) (b)(36) (b)(37) (b)(38) (b)(39) (b)(40) (b)(41) (b)(42) (b)(43) (b)(44) (b)(45) (b)(46) (b)(47) (b)(48) (b)(49) (b)(50) (b)(51) (b)(52) (b)(53) (b)(54) (b)(55) (b)(56) (b)(57) (b)(58) (b)(59) (b)(60) (b)(61) (b)(62) (b)(63) (b)(64) (b)(65) (b)(66) (b)(67) (b)(68) (b)(69) (b)(70) (b)(71) (b)(72) (b)(73) (b)(74) (b)(75) (b)(76) (b)(77) (b)(78) (b)(79) (b)(80) (b)(81) (b)(82) (b)(83) (b)(84) (b)(85) (b)(86) (b)(87) (b)(88) (b)(89) (b)(90) (b)(91) (b)(92) (b)(93) (b)(94) (b)(95) (b)(96) (b)(97) (b)(98) (b)(99) (b)(100)	1. (b)(1) (b)(2) (b)(3) (b)(4) (b)(5) (b)(6) (b)(7) (b)(8) (b)(9) (b)(10) (b)(11) (b)(12) (b)(13) (b)(14) (b)(15) (b)(16) (b)(17) (b)(18) (b)(19) (b)(20) (b)(21) (b)(22) (b)(23) (b)(24) (b)(25) (b)(26) (b)(27) (b)(28) (b)(29) (b)(30) (b)(31) (b)(32) (b)(33) (b)(34) (b)(35) (b)(36) (b)(37) (b)(38) (b)(39) (b)(40) (b)(41) (b)(42) (b)(43) (b)(44) (b)(45) (b)(46) (b)(47) (b)(48) (b)(49) (b)(50) (b)(51) (b)(52) (b)(53) (b)(54) (b)(55) (b)(56) (b)(57) (b)(58) (b)(59) (b)(60) (b)(61) (b)(62) (b)(63) (b)(64) (b)(65) (b)(66) (b)(67) (b)(68) (b)(69) (b)(70) (b)(71) (b)(72) (b)(73) (b)(74) (b)(75) (b)(76) (b)(77) (b)(78) (b)(79) (b)(80) (b)(81) (b)(82) (b)(83) (b)(84) (b)(85) (b)(86) (b)(87) (b)(88) (b)(89) (b)(90) (b)(91) (b)(92) (b)(93) (b)(94) (b)(95) (b)(96) (b)(97) (b)(98) (b)(99) (b)(100)
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FORMATION RECORD

FORMATION	TOTAL FEET	TO	FROM
1. 100' to 120' - 100'	100	100	100
2. 120' to 140' - 120'	120	120	120
3. 140' to 160' - 140'	140	140	140
4. 160' to 180' - 160'	160	160	160
5. 180' to 200' - 180'	180	180	180
6. 200' to 220' - 200'	200	200	200
7. 220' to 240' - 220'	220	220	220
8. 240' to 260' - 240'	240	240	240
9. 260' to 280' - 260'	260	260	260
10. 280' to 300' - 280'	280	280	280
11. 300' to 320' - 300'	300	300	300
12. 320' to 340' - 320'	320	320	320
13. 340' to 360' - 340'	340	340	340
14. 360' to 380' - 360'	360	360	360
15. 380' to 400' - 380'	380	380	380
16. 400' to 420' - 400'	400	400	400
17. 420' to 440' - 420'	420	420	420
18. 440' to 460' - 440'	440	440	440
19. 460' to 480' - 460'	460	460	460
20. 480' to 500' - 480'	480	480	480
21. 500' to 520' - 500'	500	500	500
22. 520' to 540' - 520'	520	520	520
23. 540' to 560' - 540'	540	540	540
24. 560' to 580' - 560'	560	560	560
25. 580' to 600' - 580'	580	580	580
26. 600' to 620' - 600'	600	600	600
27. 620' to 640' - 620'	620	620	620
28. 640' to 660' - 640'	640	640	640
29. 660' to 680' - 660'	660	660	660
30. 680' to 700' - 680'	680	680	680
31. 700' to 720' - 700'	700	700	700
32. 720' to 740' - 720'	720	720	720
33. 740' to 760' - 740'	740	740	740
34. 760' to 780' - 760'	760	760	760
35. 780' to 800' - 780'	780	780	780
36. 800' to 820' - 800'	800	800	800
37. 820' to 840' - 820'	820	820	820
38. 840' to 860' - 840'	840	840	840
39. 860' to 880' - 860'	860	860	860
40. 880' to 900' - 880'	880	880	880
41. 900' to 920' - 900'	900	900	900
42. 920' to 940' - 920'	920	920	920
43. 940' to 960' - 940'	940	940	940
44. 960' to 980' - 960'	960	960	960
45. 980' to 1000' - 980'	980	980	980
46. 1000' to 1020' - 1000'	1000	1000	1000
47. 1020' to 1040' - 1020'	1020	1020	1020
48. 1040' to 1060' - 1040'	1040	1040	1040
49. 1060' to 1080' - 1060'	1060	1060	1060
50. 1080' to 1100' - 1080'	1080	1080	1080
51. 1100' to 1120' - 1100'	1100	1100	1100
52. 1120' to 1140' - 1120'	1120	1120	1120
53. 1140' to 1160' - 1140'	1140	1140	1140
54. 1160' to 1180' - 1160'	1160	1160	1160
55. 1180' to 1200' - 1180'	1180	1180	1180
56. 1200' to 1220' - 1200'	1200	1200	1200
57. 1220' to 1240' - 1220'	1220	1220	1220
58. 1240' to 1260' - 1240'	1240	1240	1240
59. 1260' to 1280' - 1260'	1260	1260	1260
60. 1280' to 1300' - 1280'	1280	1280	1280
61. 1300' to 1320' - 1300'	1300	1300	1300
62. 1320' to 1340' - 1320'	1320	1320	1320
63. 1340' to 1360' - 1340'	1340	1340	1340
64. 1360' to 1380' - 1360'	1360	1360	1360
65. 1380' to 1400' - 1380'	1380	1380	1380
66. 1400' to 1420' - 1400'	1400	1400	1400
67. 1420' to 1440' - 1420'	1420	1420	1420
68. 1440' to 1460' - 1440'	1440	1440	1440
69. 1460' to 1480' - 1460'	1460	1460	1460
70. 1480' to 1500' - 1480'	1480	1480	1480
71. 1500' to 1520' - 1500'	1500	1500	1500
72. 1520' to 1540' - 1520'	1520	1520	1520
7			