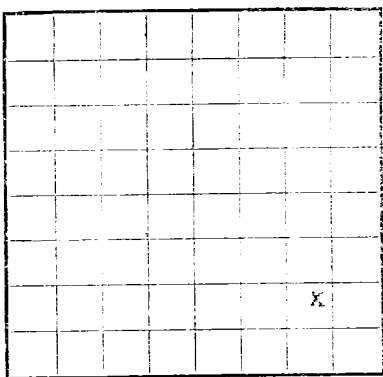


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 077076
LEASE OR PERMIT TO PROSPECT Jones



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company BENSON-MONTIL-GRIER DRILLING Address 156 Petr Beam Center Building Farmington, N. Mex.
Lessor or Tract Jones Field Wildcat State New Mexico
Well No. 1 Sec. 17 T. 1 R. 1 Meridian N.M.P.M. County San Juan
Location 722 ft. N. of E. Line and 720 ft. E. of E. Line of Sec. 17 Elevation 6126
(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.

Date October 12th, 1959 Signed _____ Title Manager-President

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

Commenced drilling January 1st, 1959 Finished drilling March 21st, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 620 to 618 (G) 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 _____ 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—	
8-5/8	21.7	8	1-55	200	Text	620	618	618	Production
5-1/2	17.7	8	1-55	100	Text	618	616	616	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	212	50	Pump & Plug		
5-1/2	6456	75	X		

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 Surface feet to 658 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Ran Tubing _____ Potential Test _____
Jul. 16th, 1959 Put to producing October 6th, 1959

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 1,318,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1677 psig Open 3 hours through 2 1/4 choke on tubing. Choke volume 1,676 MCF/day.
_____ ACF 1,818 MCF/day.

EMPLOYEES

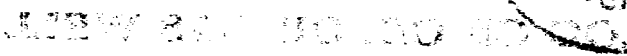
Campan, T. L., Driller _____ Driller
_____, Driller _____ Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			ELECTRIC LOG TOPS
			FARMINGTON 510'
			PICTURED CLIFF 1580'
			LEWIS 1750'
			CLIFFHOUSE (MESQUITE) 2535'
			NEENELEE 2550'
			POINT LOOKOUT 4098'
			MANCOS 4274'
			GALLUP 5260'
			BASE GALLUP 5705'
			SANASTEE 5747'
			GREENHORN 6124'
			GRANEROS 6168'
			DAKOTA 6214'

COVER

FORMATION RECORD—CONTINUED



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

FORMATION RECORD—Continued

1000

BENSON-MONTIN-GREER DRILLING CORP.

WELL HISTORY - JONES #1

- 6- 5-59 Moved in rotary rig. Rigged up. Spudded.
- 6- 6-59 TD 218' RKB. Set 8 joints 200' of 8-5/8" OD 24# J-55 casing at 212' RKB with 150 sacks cement.
- 6- 7-59 Pressured up on casing to 500#. No pressure decrease in 30 minutes.
- 6-19-59 Drilled to TD 6228'. Went in hole with core barrel. Pulled Core #1 from 6228-78'. Core description attached.
- 6-20-59 Pulled Core #2 from 6278' to 6329'. Core description attached.
- 6-21-59 Drilled to TD 6358'. Set 195 joints 6348' of 5-1/2" OD 17# N-80 casing at 6356' with 75 sacks cement, 4% gel and 1/2# flocele per sack, plus 300 sacks cement with 1/2# flocele per sack.
- 6-22-59 Temperature survey showed top of cement at 4500'.
- 7- 3-59 Moved in cable tools. Rigged up.
- 7- 9-59 Pressured up on casing to 5000#. No pressure decrease in 15 minutes. Cleaned out to 6325'. Ran correlation log. Perforated 6304-18' with 4 jet shots per foot. Pressured up twice to 5000#. Formation would not break down. Pressured up twice to 5500#. Formation would not break down. Ran 2-3/8" tubing to 6322', spotted 500 gallons MCA. Pressured with acid truck to 3500#, broke to 2500#. Pulled tubing.
- 7-10-59 Sandfraced with 79,600 gallons water and 75,000# 20/40 sand, flushed with 20,000 gallons water. Breakdown pressure 1350#, average treating pressure 3850-3950#, maximum treating pressure 4000#, final pressure 3900#, shut-down pressure 1700#, average injection rate 59.5 barrels per minute. Set Guiberson WME magnesium bridge plug at 6270'. Perforated 6234-44' with 4 jet shots per foot. Had evidence of communication. Sandfraced with 90,000 gallons water and 80,000# 20/40 sand, flushed with 10,000 gallons water. Breakdown pressure 800#, treating pressure 3800-4300#, average treating pressure 4100#, final pressure 4200#, shut-down pressure 1900#, average injection rate 55 barrels per minute.
- 7-11-59 CP 375#.
- 7-12-59 Drilled out bridge plug. Ran 212 joints 6209' of

2-3/8" tubing. Commenced flowing back frac water.

7-16-59

Flanged up tubinghead. 212 joints 6209' of 2-3/8"
od EUE tubing landed at 6221' RKB.

DANSON-MONTEN-GREER DRILLING CORP.

JONES #1

CORE #1 Cored 6228' to 6278'. Cored 50', recovered 50'.

- 6228 - 6234' Black very fine hard shaly sand.
- 6234 - 6239' Very fine hard grey compact sand, good odor of gas and distillate, vertical fracture 6238-39'.
- 6239 - 6257' Very fine grained hard silty sandstone, bleeding gas.
- 6257 - 6258½' Very fine grained hard silty sandstone, bleeding gas, vertical fracture.
- 6258½ - 6260½' Very fine grained hard silty sandstone, compact.
- 6260½ - 6269' Very fine grained hard silty sandstone, hard, compact, bleeding gas and odor of distillate.
- 6269 - 6271' Fine dark grey very carbonaceous sandstone, quartzitic.
- 6271 - 6272' Very fine hard dark grey compact sandstone, vertical fracture, bleeding gas.
- 6272 - 6274' Very fine hard dark grey sandstone, cross-bedded, vertical fracture, bleeding gas.
- 6274 - 6276' Very fine dark grey silty sandstone, bleeding gas.
- 6276 - 6278' Black pokerchip shale, few very fine sand streaks.

CORE #2 Cored 6278' to 6291'. Cored 51', recovered 51'.

- 6278 - 6280' Very fine tight silty shaly sandstone.
- 6280 - 6284' Very fine hard tight sand, vertical fracture, bleeding gas.
- 6284 - 6288' Dark grey very fine shaly sandstone, slightly carbonaceous.
- 6288 - 6296' Very fine grey shaly sand, bleeding gas, vertical fracture.

6296 - 6297	Coal, bleeding gas.
6297 - 6302	Fine grey silty sand, bleeding gas.
6302 - 6317	Medium fine grey sand, thin shale laminations, good gas bleed throughout.
6317 - 6320	Coal.
6320 - 6322	Very fine hard sandy sand.
6322 - 6324	Coal, bleeding gas.
6324 - 6329	Grey hard fine salt sand, thin shale laminations.