

355.4. ~~Santa Fe~~

U. S. LAND OFFICE - 32-077478-6

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

LOCATE WELL CORRELATION

Company Tenneco Oil Company Address P. O. Box 1714, Durango, Colorado

Lessor or Tract USA Fullerton Field Undesignated Gallup State New Mexico

Well No. 1 Sec. 34 T. 20N R. 13W Meridian N. M. P. M. County San Juan

Location 1850 ft. N. of N Line and 1850 ft. E. of W Line of Section 34 Elevation 6005
(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.

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Signed *[Signature]* J. Siverson
Date November 22, 1963 Title District Production Supt.

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

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Commenced drilling August 17, 1963 Finished drilling August 30, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5582 to 5795 No. 4, from _____ to _____
 No. 2, from 6190 to 6250 No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from None to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
3 5/8" 269		240	Pump & Plug		
5 1/2" 6348		150	Pump & Plug		

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 _____ feet to 6-50 feet, and from _____ feet to _____ feet

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

DATES

-----November 22-----, 1963

DATES Potential test 11-18-63. Pumped 10 BO/24hr
Put to producing GOR-1ST-----, 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 _____ 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
Surface	1550'	1535'	3d & Sh
1550'	1700'	150'	Sandstone
1700'	2440'	740'	Sh w/3d. stringers
2400'	4350'	1950'	3d & sh
4350'	6120'	2770'	Sh w/ad. stringers
6120'	6450'	330'	Sandstone w/Sh stringers
			<u>Electric Log Tops</u>
			<u>Pictured Cliffs</u>
			1550'
			1700' Lewis Sh.
			2440' Mesa Verde
			4340' Mancos Sh.
			5210' Gallup
			6060' Green Horn
			6190' Dakota
			6450' T. D.

LEW 240 90 110 90 001

Spurhead 2-17-63, Drd 12 1/4" hole to 266'. Two 8 joints (253') @ 5/8" OD, 24' 81K casing and set at 269'. Cemented with 240 ex. cement circulated to surface. 100 12 hrs. Pressure tested casing, held OK. Drd to 5551'. Cored interval 5551-5569. Recovered 30' with fair permeability and porosity with vertical fractures. Drd ahead to 6450 ex. Two logs. Two 195 lbs (6329') @ 1 1/2" OD, 14 1/2" casing and set at 6345. Cemented with 150 ex. 100 10 hrs. Pressure tested casing, held OK. Perforated through 5 1/2" casing 6190-94, 6300-94, 6331-33, casing with 2 joints per foot. Traced defects with 40,000' 10-40 sand, 40,000 gallons of acid water followed by 1000' 6-12 glass beads and 10,000 gallons of acid water. Put tubing, shut well in. Opened well, well dead. Sand in tubing. Pumped sand. Shipped well. Moved 250 feet to atmosphere. Spotted cement across mortar joints. Tested casing 5551-51 with 4 shots per crane. Moved casing with 15,000-20-40 sand, 5000-10-20 sand, 700 lbs test craps. Well flowed load oil and acid. Shipped well. Acidized with 25,000 gallons acid, 20 tons CO₂. Opened well. Flowed acid water and CO₂ and died. Shipped well. Set pumping unit and engine. Recovered all load oil. Potential test 11-18-63. Pumped to 80 in 24 hrs. CO₂-TSM.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked," or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

FORMATION	TOTAL FEET	TO-	FROM-
1. 1000' to 1000' 1000' 2. 1000' to 1000' 1000' 3. 1000' to 1000' 1000' 4. 1000' to 1000' 1000' 5. 1000' to 1000' 1000' 6. 1000' to 1000' 1000' 7. 1000' to 1000' 1000' 8. 1000' to 1000' 1000' 9. 1000' to 1000' 1000' 10. 1000' to 1000' 1000' 11. 1000' to 1000' 1000' 12. 1000' to 1000' 1000' 13. 1000' to 1000' 1000' 14. 1000' to 1000' 1000' 15. 1000' to 1000' 1000' 16. 1000' to 1000' 1000' 17. 1000' to 1000' 1000' 18. 1000' to 1000' 1000' 19. 1000' to 1000' 1000' 20. 1000' to 1000' 1000' 21. 1000' to 1000' 1000' 22. 1000' to 1000' 1000' 23. 1000' to 1000' 1000' 24. 1000' to 1000' 1000' 25. 1000' to 1000' 1000' 26. 1000' to 1000' 1000' 27. 1000' to 1000' 1000' 28. 1000' to 1000' 1000' 29. 1000' to 1000' 1000' 30. 1000' to 1000' 1000' 31. 1000' to 1000' 1000' 32. 1000' to 1000' 1000' 33. 1000' to 1000' 1000' 34. 1000' to 1000' 1000' 35. 1000' to 1000' 1000' 36. 1000' to 1000' 1000' 37. 1000' to 1000' 1000' 38. 1000' to 1000' 1000' 39. 1000' to 1000' 1000' 40. 1000' to 1000' 1000' 41. 1000' to 1000' 1000' 42. 1000' to 1000' 1000' 43. 1000' to 1000' 1000' 44. 1000' to 1000' 1000' 45. 1000' to 1000' 1000' 46. 1000' to 1000' 1000' 47. 1000' to 1000' 1000' 48. 1000' to 1000' 1000' 49. 1000' to 1000' 1000' 50. 1000' to 1000' 1000' 51. 1000' to 1000' 1000' 52. 1000' to 1000' 1000' 53. 1000' to 1000' 1000' 54. 1000' to 1000' 1000' 55. 1000' to 1000' 1000' 56. 1000' to 1000' 1000' 57. 1000' to 1000' 1000' 58. 1000' to 1000' 1000' 59. 1000' to 1000' 1000' 60. 1000' to 1000' 1000' 61. 1000' to 1000' 1000' 62. 1000' to 1000' 1000' 63. 1000' to 1000' 1000' 64. 1000' to 1000' 1000' 65. 1000' to 1000' 1000' 66. 1000' to 1000' 1000' 67. 1000' to 1000' 1000' 68. 1000' to 1000' 1000' 69. 1000' to 1000' 1000' 70. 1000' to 1000' 1000' 71. 1000' to 1000' 1000' 72. 1000' to 1000' 1000' 73. 1000' to 1000' 1000' 74. 1000' to 1000' 1000' 75. 1000' to 1000' 1000' 76. 1000' to 1000' 1000' 77. 1000' to 1000' 1000' 78. 1000' to 1000' 1000' 79. 1000' to 1000' 1000' 80. 1000' to 1000' 1000' 81. 1000' to 1000' 1000' 82. 1000' to 1000' 1000' 83. 1000' to 1000' 1000' 84. 1000' to 1000' 1000' 85. 1000' to 1000' 1000' 86. 1000' to 1000' 1000' 87. 1000' to 1000' 1000' 88. 1000' to 1000' 1000' 89. 1000' to 1000' 1000' 90. 1000' to 1000' 1000' 91. 1000' to 1000' 1000' 92. 1000' to 1000' 1000' 93. 1000' to 1000' 1000' 94. 1000' to 1000' 1000' 95. 1000' to 1000' 1000' 96. 1000' to 1000' 1000' 97. 1000' to 1000' 1000' 98. 1000' to 1000' 1000' 99. 1000' to 1000' 1000' 100. 1000' to 1000' 1000'			