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U. S. LAND OFFICE Navajo Tribal
SERIAL NUMBER 14-20-603-2037
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Products Co. Address Box 1565, Farmington, New Mexico
Lessor or Tract Chimney Rock Field Horseshoe Gallup State New Mexico
Well No. 11-A Sec. 25 T. 31N R. 17W Meridian NMPM County San Juan
Location 330 ft. N. of N Line and 2310 ft. E. of W Line of Section 25 Elevation 5664'
(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 ORIGINAL SIGNATURE OF J. SCOTT E. ANGELO
Date June 22, 1959 Title Petroleum Engineer

The summary on this page is for the condition of the well as above data

Commenced drilling April 22, 1959 : Finished drilling May 3, 1959

OIL OR GAS SANDS OR ZONES

No. 1, from 1436° to 1504° 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	12.00	2 RA	11-58	1000	Baker	been damaged	1936	1936	for casing	
5-1/2	10.00	0 RA	11-58	1000	Baker	made in the casing	1936	1936	for casing	
This of the highest importance to make a complete picture of the men.							1936	1936	for casing	
HIS LOKA OL OH ON CUE MEET										
							IP-3308-7	01	ROLLING MILL	ROLLING MILL

MUDDING AND CEMENTING RECORD

	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
MARK	8-5/8"	106'	100	Circulated		
	-1 1/2"	1573'	100	Single stage		

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
		see "Well History"				

TOOLS USED

Rotary tools were used from 0 feet to 157 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

May 27	19 59	Put to producing	June 8	19 59
The production for the first 24 hours was	113	barrels of fluid of which	100	% was oil; %
emulsion; % water; and % sediment.		Gravity, °Bé.	API 40.3	
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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1190	1190	Mancos Form. Gy. carb. shale.
1190	1533	343	Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. interbedded shale.
1533	1574	41	Sanastee Form. Dk. gy. calc. v/fn. to fn. gy. ss. w/calc. veins, w/irreg. incl. dk. gy. sd.
			TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.
FROM—	TO—	TOTAL FEET	FORMATION

TOPS ARE FROM ELECTRIC LOGS
AND RADIOACTIVITY LOGS.

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A circular stamp with the word "RECEIVED" at the top, "JUN 25 1959" in the middle, "OIL CO. N. COM." below that, "DIST. 3" below that, and "DEPAR." at the bottom.

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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Signed _____

Date _____ Title _____
Witness _____

Address _____
Field _____ State _____
County _____ Meridian _____
Sec. _____ T. _____ R. _____
Location ft. [S.] of _____ Line and _____ ft. [E.] of _____ Line of _____
Elevation _____
Well No. _____

Lessor or Tract _____
Company _____

	No. 4 from	SANCOIL FRACTURE	No. 4 from	
CASING RECORD				
No. 1 from	5-16-59	SOF perf. int. 1486'-1504' min 30, 700 gals. oil and 10,000 # (20-40) sand. flush 1486'-1504' min 30, 700 gals. oil and 10,000 # (20-40)	No. 3 from	
		BOP--2000 psi.; ATP--1500 psi.; injected 18 rubber balls halfway through treatment, 750 psi. increase.		
No. 2 from			No. 2 from	
No. 1 from	3-17-59	SOF perf. int. 1410'-1432' min 10, 984 gals. oil and 20,000 # (20-40) sand. flush 1700 gals./min. MTP--2400 psi.; BOP--1500 psi. or less; injected 22 rubber balls halfway through treatment; 850 psi. increase.		
				Completed drilling
				19

HISTORY OF OIL OR GAS WELL

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.

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Casing Size	Per foot Weight	Through bel low	Misc	Amount	Kind of shoe	Cut and pulled from	Packed Flow— To—
							Purpose

INDEXING AND CEMENTING RECORD

Case No.	Number of elements	Method used	Time taken	Amount of time to finish
1	10	10	10	10
2	20	20	20	20
3	30	30	30	30
4	40	40	40	40
5	50	50	50	50
6	60	60	60	60
7	70	70	70	70
8	80	80	80	80
9	90	90	90	90
10	100	100	100	100

PLUGS AND ADAPTERS

[illegible]

SHOOTING RECORD

[illegible]

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

DATES				
feet to	feet and from		Cable tools were used from	
feet to	feet and from		Rotary tools were used from	

DATE

Rock pressure, lbs. per sq. in.	
If gas well, cu. ft. per 24 hours	
emulsion; % water; and % sediment.	
The production for the first 24 hours was	
	25
	10

Gallons gasoline per 1,000 cu. ft. of gas	
Gravity, °Bé.	
barrels of fluid of which % was oil; %	
Put to producing	10

EMPLOYEES

Driller			
Driller			

FORMATION RECORD

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