

Santa Fe

U. S. LAND OFFICE SF 079450-A

SERIAL NUMBER _____

LEASE OR PERMIT TO PROSPECT 13-71

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **MOUNTAIN STATES PETROLEUM CORP.** Address **P. O. Box 1362**
 Lessor or Tract _____ Field **Gavilan, P.C.** State **New Mexico**
 Well No. **30-H-1** Sec. **30** T. **25N** R. **1W** Meridian **NMPM** County **Rio Arriba**
 Location **1780** ft. **N** of **S** Line and **1040** ft. **E** of **W** Line of **Sec. 30** Elevation **7406**

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 **December 21st, 1959** Signed _____ Title **Vice President**

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

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Commenced drilling **November 18**, 19**59** Finished drilling **November 28th**, 19**59**

OIL OR GAS SANDS OR ZONES

(Denote a_{ij} by Θ_{ij})

(Denote gas by G)

No. 1, from 3565 to 3594 **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	24	8	LS	64	None				Surface
4-1/2	9.5	8	LS	3612	Howco		3573	3594	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	70	75			
4-1/2	3818	125	Howco - 1-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 _____ feet, and from _____ feet to _____ feet

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

DATES

-----, 19----- Put to producing ----- 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 **5,070 MCFPD** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 940

EMPLOYEES

_____, Driller _____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	180	180	Sand & shale
180	240	60	Sand
340	520	280	Sand & shale
540	750	230	Shale
750	820	70	Sand
820	890	70	Shale
890	1830	940	Sand & shale
1830	1940	110	Shale
1940	1960	20	Sand
1960	2090	130	Shale
2090	2300	210	Sand
2300	2520	220	Sand & shale
2520	2680	160	Shale
2680	2730	50	Sand
2730	2760	30	Shale

[OVER]

15-43094-2

FROM-	TO-	TOTAL FEET	FORMATION
2760	2780	20	Sand
2850	2910	70	Shale
2910	2950	60	Sand
2950	2970	40	Shale
2970	3290	20	Sand
3290	3400	320	Sand & shale
3400	3565	110	Sand
3565	3584	165	Shale & coal
3584	3632	29	Sand
3594	3632	38	Shale

Electric Log Tops:
Ojo Alamo - 3200
Kirtland - 3400
Pictured Cliffs-3565

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.

Spudded November 18, 1959. Reached total depth 3632'. November 22, 1959. Cemented 4-1/2" casing @ 3618 w/125 sacks November 23, 1959. Perforated Pictured Cliffs 3573-3593 w/80 holes. Fractured Pictured Cliffs down 4-1/2" casing w/40,000 lbs. sand and 40,000 gal. water and 20 rubber balls. Breakdown @ 1300 psi. Treat pressure 1700 psi. Injection rate 4500 gpm. Gassed in. Flowed @ rate of 5,070 MCFPD through 4-1/2" casing November 28, 1959. Pitot tube test.



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