

[illegible]

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT 078903

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Benson and Montin Address 315¹/₂ West Main St., Farmington
Lessor or Tract Payne Field West Kutz State New Mexico
Well No. 1 Sec. 36 T. 28N R. 12W Meridian NMPM County San Juan
Location 1850 ft. {S.} of N Line and 1650 ft. {W.} of E Line of Section 36 Elevation 5996 KB
(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 9/29/52 Signed Albert R. Greer
Title Field Sup't.

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

Commenced drilling 7/29, 19 52. Finished drilling 9/14, 19 52.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1775¹ to 1835¹ (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—	
9 5/8	40	8 rd	—	80'	none				Surface
6 5/8	20	8 V	Used	1700					
7	17	8 rd	—	85	Texas Pattern				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	88'	50	Pump and plug		
6 5/8 7	1779 1/2'	235	Pump and plug	(See Drilling History)	

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
4 1/2"		SNG	70 qts	9/8/52	1789'-1814'	1814'

TOOLS USED

Rotary tools were used from 88' feet to 1780' feet, and from _____ feet to _____ feet
Cable tools were used from Surface feet to 88' feet, and from 1780' feet to 1835' feet

DATES

9/19, 1952 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 917,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. ----- 447 psig (Shut in 4 days)

EMPLOYEES

EMPLOYEES

Benson & Montin (Cable tools) Driller _____, Driller

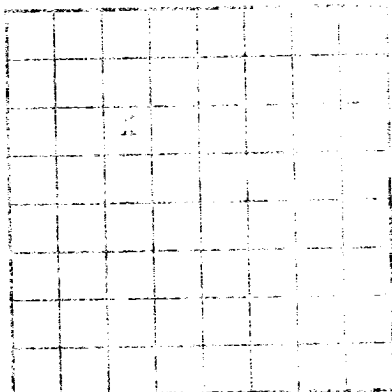
Crow-Benson & Montin (Rotary), Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	50	50	Surface sand and clay
50	600	550	Sand and shale
600	700	100	Sand
700	1759	1059	Shale and sandy shale
1759	1775	16	Coal
1775	1835	50	Pictured Cliffs Sand

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Location surveyed 4/10/52
Notice of intention to drill approved by USGS 7/27/52
Cleared location, moved in cable tools and spudded 7/29/52
Cemented surface casing and moved out cable tools 8/21/52
Moved in rotary, rigged up rotary and commenced drilling 8/28/52
TD 1780' cemented 6 5/8" casing at 1779 1/2' with 210 sacks cement, mixed with 210 c. f. strato seal and 2% gel, followed by 25 sacks of neat cement. Moved out rotary.
Moved in cable tools and tested casing.
TD 1790' Bailing test for water shut off.
TD 1835' Measured 345 MCF/day natural from 1780' to 1817'.
Picked up water at 1817'.
Sand from 1817'-35' produced 2 1/2 gal water/hour and no gas.
Plugged back to 1817' with hydromud.
TD 1835' PWD 1817'. Shot with 70 lbs SMC from 1789' to 1817'.
Cleared out to 1817', and ran 1" tubing to 1810'.
State potential test.
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Drilling History of Payne # 1

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

FROM-	TO-	TOTAL FEET	FORMATION
0	20	20	Surfaces sand and clay
20	600	580	Sand and shale
600	700	100	Sand
700	1785	1085	Coarse sand and shale
1785	1817	32	Coal
1817	1835	18	Intermediate shale