



AREA 640 ACRES  
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

**MOUNTAIN STATES PETROLEUM CORPORATION** (Company or Operator) **Walter Howard** (Lease)

Well No. **1**, in **NE**  $\frac{1}{4}$  of **NW**  $\frac{1}{4}$ , of Sec. **23**, T. **25N**, R. **2W**, NMPM.  
**Gavilan - Pictured Cliffs** Pool, **Rio Arriba** County.  
Well is **790** feet from **North** line and **1850** feet from **West** line  
of Section **23**. If State Land the Oil and Gas Lease No. is \_\_\_\_\_  
Drilling Commenced **October 5**, 19 **59** Drilling was Completed **October 18**, 19 **59**  
Name of Drilling Contractor **Rayco Drilling Co.**  
Address **P. O. Box 1362, Tulsa, Oklahoma**  
Elevation above sea level at Top of Tubing Head **7276** The information given is to be kept confidential until **October 15**, 19 **59**

OIL SANDS OR ZONES

No. 1, from **3350** to **3380 - Gas** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 4, from \_\_\_\_\_ to \_\_\_\_\_



CASING RECORD							
SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8-5/8	24	New	95	None			Surface
4-1/2	9.5	New	3438	Howco			

MUDDING AND CEMENTING RECORD						
SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12-1/4	8-5/8	101	60			
7-7/8	4-1/2	3444	125	1-plug		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

**Perforated 3353-3377 w/96 holes. Fractured treated with 40,000 lbs. sand and 42,000 gallons of water.**

Result of Production Stimulation **Well flowed 9,500 MCFPD after treatment - no test before treatment.**

Depth Cleaned Out **3413 feet**

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 3454 feet, and from feet to feet.  
Cable tools were used xxx for completion, feet, and from feet to feet.

PRODUCTION

Put to Producing SI - Wait on Gas Connection

OIL WELL: The production during the first 24 hours was barrels of liquid of which % was  
was oil; % was emulsion; % water; and % was sediment. A.P.I.  
Gravity.

GAS WELL: The production during the first 24 hours was 9500 M.C.F. plus None barrels of  
liquid Hydrocarbon. Shut in Pressure 920 lbs.

Length of Time Shut in 72 hours

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico			Northwestern New Mexico		
T. Anhy			T. Devonian		
T. Salt			T. Silurian		
B. Salt			T. Montoya		
T. Yates			T. Simpson		
T. 7 Rivers			T. McKee		
T. Queen			T. Ellenburger		
T. Grayburg			T. Gr. Wash		
T. San Andres			T. Granite		
T. Glorieta			T.		
T. Drinkard			T.		
T. Tubbs			T.		
T. Abo			T.		
T. Penn			T.		
T. Miss			T.		
			T. Ojo Alamo	3086	
			T. Kirtland-Fruitland	3240	
			T. Farmington		
			T. Pictured Cliffs	3350	
			T. Menefee		
			T. Point Lookout		
			T. Mancos		
			T. Dakota		
			T. Morrison		
			T. Penn		
			T.		

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	140	140	Sand and shale	2200	2450	250	Shale
140	330	190	Shale	2450	2570	120	Sand and shale
330	350	20	Sand	2570	2830	260	Shale
350	470	120	Shale	2830	2890	60	Sand
470	600	130	Sand	2890	2910	20	Shale
600	650	50	Shale	2910	2980	70	Sand
650	670	20	Sand	2980	3040	50	Sand and shale
670	730	60	Shale	3040	3086	46	Shale
730	750	20	Sand	3086	3240	154	Sand
750	810	60	Shale	3240	3350	110	Shale and coal
810	1110	300	Sand and shale	3350	3380	30	Sand
1110	1200	90	Shale	3380	3410	30	Shale
1200	1610	410	Sand	3410	3440	30	Sand
1610	1700	90	Shale	3440	3454	14	Shale
1700	1800	100	Sand and shale				
1800	1900	100	Shale				
1900	2200	300	Sand and shale				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

October 22, 1959

Company or Operator MOUNTAIN STATES PETROLEUM CORP. Address P. O. Box 1362  
Name Tulsa, Oklahoma  
Position or Title President