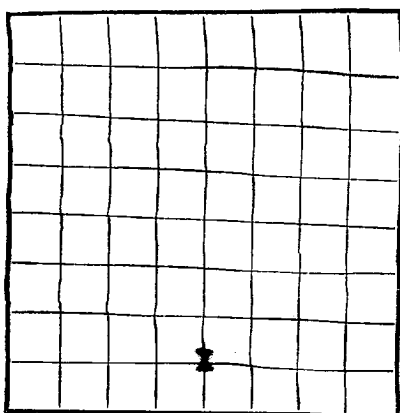


U. S. LAND OFFICE

SERIAL NUMBER **N.M. 090**

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company **Montano Chemical Company** Address **Box 102, Snyder, Texas**
Lessor or Tract **Elmesta** Field **Undesignated** State **New Mexico**
Well No. **1** Sec. **34** T. **25** N. R. **10** W. Meridian **107N** County **San Juan**
Location **644** ft. **N.** of **S.** Line and **1079** ft. **E.** of **E.** Line of **Sec. 34** Elevation **6787** G.L.
(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

Date **9 - 23 - 57**Title **E. H. Muhlbach, Dist. Supt.**

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

Commenced drilling **7 - 17**, 19 **57** Finished drilling **7 - 31**, 19 **57**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **5352** to **5370 and** No. 4, from
~~No. 2, from~~ **5308** to **5305** No. 5, from
No. 3, from to No. 6, from

IMPORTANT WATER SANDS

No. 1, from to No. 3, from
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"	32	8rd		212.74	Float				Surface
5-1/2"	26	8rd		5308	5305				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	226.44	150	Displaced & Plug		Cement circulated
5-1/2"	5447	150			

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 **0** feet to **5305** feet and from **5305** feet to **5305** feet
Cable tools were used from **0** feet to **5305** feet and from **5305** feet to **5305** feet

DATES

9 - 23, 19 **57** Put to producing **9 - 19**, 19 **57**

The production for the first 24 hours was **383** barrels of fluid of which **99.8** % was oil; **0.2** %
emulsion; **0.2** % water; and **0.2** % sediment. Gravity, **66°**

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

Geo. W. Riley, Driller **R. V. Harlan**, Driller
J. A. Craig, Driller
C. W. Mallins, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	230	230	Sand & Shale
230	400	170	Sd. w/occ. thin sh. beds
400	830	430	Sh. w/occ. Siltstone stringers
830	1000	170	Sd. w/occ. v. thin shale beds
1000	1090	90	Shale
1090	1120	30	Sand
1120	1670	550	Shale
1670	1690	20	Coal
1690	1810	120	Sand
1810	2100	290	Shale
2100	2290	190	Sd. w/abund. shale beds
2290	2500	210	Sh. w/numerous silt stringers
2500	2890	390	Sd. w/numerous thin shale beds
2890	2930	40	Shale
2930	3110	180	Sd. w/numerous shale streaks
3110	3170	60	Shale, sli. silty
3170	3290	120	Sd. w/occ. shale beds
3290	3400	110	Shale
3400	3430	30	Sand
3430	3500	70	Shale
3500	3800	300	Sd. w/occ. shale beds 5-10' thick
3800	3850	50	Shale
3850	3900	50	Shale
3900	3940	40	Sand
3940	4180	240	Sh. w/numerous thin sandstone beds

