

U. S. LAND OFFICE **Santa Fe**SERIAL NUMBER **SF 078078**

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Kenneth Murchison** Address **1315 Pacific Avenue, Dallas, Texas**Lessor or Tract **Mims-Carson** Field **Wildcat** State **New Mexico**Well No. **1** Sec. **4** T. **24N** R. **12E** Meridian **13PM** County **San Juan**Location **660** ft. **N** of **1** Line and **702** ft. **E** of **1** Line of **N 1/4** Sec. **4** Elevation **6202**
(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 **January 18, 1957**Title **Agent**

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

Commenced drilling **12-3**, 19**56** Finished drilling **12-21**, 19**56**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **4312** to **4344** No. 4, from _____ to _____No. 2, from **4432** to **4442** 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	24.5	8	Natl.	120'	Ball				
5-1/2	14.5	8	Natl.	4580'	Ball				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	120	180	Halliburton		
5-1/2	4580	200	Halliburton		

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 **4586** feet, and from _____ feet to _____ feet

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 **6**, 19**57** was oil; _____%emulsion; _____% water; and _____% sediment. # **10** Gravity, °Bé. **75** **25**If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas **39.7**

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

San Juan Drilg. Co. (rotary), Driller _____, Driller**Benson-Montin-Creer (completion)**, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	615	615	sand & shale
615	880	265	sand, shale & coal
880	1013	133	sand
1013	1280	267	shale
1280	3200	1920	sand, shale & coal
3200	3385	185	sand
3385	4312	927	shale
4312	4334	22	sand
4334	4425	91	shale
4425	4586	161	sand & shale
Well starts in Farmington sandstone			
Top Pictured Cliffs		880	
Top Lewis shale		1013	
Top Mesaverde		1280	
Top Point Lookout		3200	
Top Mancos		3385	
Top Hespah-Gallup		4312	
Base Gallup		4586	
Perforations #1 4336-44			
Perforations #2 4318-38			
Oil Sand Frac. 49,800 gal. of oil & 15,000 sand using 90 rubber balls struck during treatment. Average injection rate 42 bbls. per min. Formation broke at 2,000 psi. Maximum treating pressure 2600 psi.			

(OVER)

16-43094-3

FORMATION RECORD—CONTINUED

