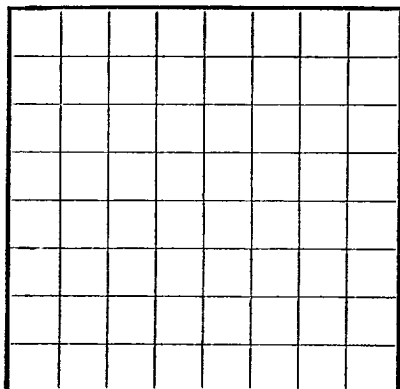


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 078623
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company MOORE, MOORE & MILLER Address 2904 Liberty Bk Bldg, Okla. City
Lessor or Tract Scott Field Bisti-Lower State New Mexico
Well No. 4 Sec. 4 T. 24N R. 10W Meridian Gallup County San Juan
Location 1956 ft. XX of N Line and 560 ft. XX of E Line of Section Elevation 6878 DF
(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 Rex R. Miller

Date November 13, 1958 Title Partner

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

Commenced drilling 10-23-58, 19... Finished drilling 11-1-58, 19...

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5353 to 5361 No. 4, from ... to ...
No. 2, from 5385 to 5396 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—	
<u>9 5/8</u>				<u>185</u>	<u>Hallib</u>	<u>"J"</u>			
<u>5 1/2</u>				<u>5485</u>			<u>5348</u>	<u>5358</u>	
							<u>5380</u>	<u>5392</u>	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9 5/8</u>	<u>185</u>	<u>150</u>	<u>pumped</u>		
<u>5 1/2</u>	<u>5485</u>	<u>125</u>	<u>pumped</u>		

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 surface feet to 5486 feet, and from ... feet to ... feet
Cable tools were used from ... feet to ... feet, and from ... feet to ... feet

DATES

November 13, 19 58 Put to producing November 4, 19 58
The production for the first 24 hours was 576 barrels of fluid of which 100 % was oil; ... %
emulsion; ... % water; and ... % sediment. Gravity, °Bé. 40
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

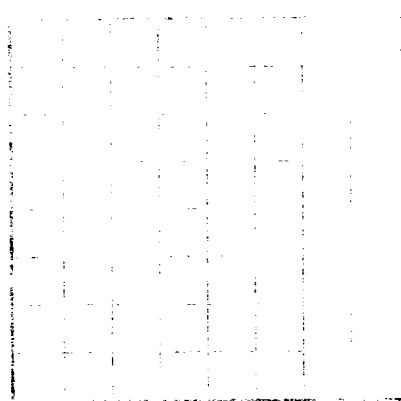
EMPLOYEES

....., Driller Driller
....., Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1000	1675	675	shale
1675	1820	145	sand
1820	2100	280	broken sand shale
2100	2270	170	broken sand
2270	2440	170	shale
2440	3050	610	sand
3050	3165	115	shale
3165	3220	55	sand
3220	3510	290	broken sand & shale
3510	3600	90	shale
3600	4345	745	broken sand and shale
4345	5188	843	shale
5188	5353	165	broken sandy shale and shale
5353	5361	8	sand
5361	5385	24	sandy shale
5385	5396	11	sand
5396	5486	90	sandy shale
PICTURE CLIFFS	1685'		
CLIFF HOUSE	2435'		
MANCOS	4345'		
GALLUP	5188'		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible]

MODERN COM
E-100

APR 10 1958

SUBMITTAL NEW RECORDS
U.S. GOVERNMENT PRINTING OFFICE

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, position, and number of shots. If pings 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

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM -	TO -	TOTAL FEET	FORMATION
			CLAY
			SAND
			GRAVEL
			COBBLES
			CONCRETE
			BRICK
			ROCK
			GLASS
			METAL
			PLASTIC
			PAINT
			OTHER
			TOTAL