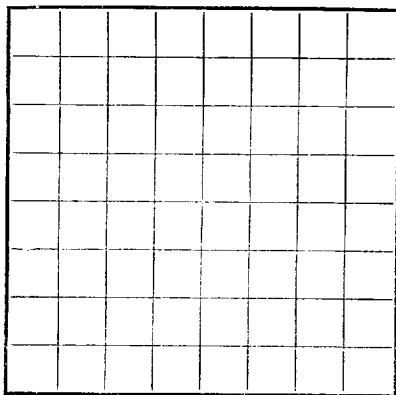


U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **C78049A**
LEASE OR PERMIT TO PROSPECT **Mesaverde**

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **D. H. Bolin** Address **1120 Oil & Gas Bldg., Wichita Falls, Tex.**
Lessor or Tract **Wm. B. Hardie "A"** Field **Blanco** State **New Mexico**
Well No. **1-A** Sec. **34** T. **29N** R. **8W** Meridian **N. M. P. M.** County **San Juan**
Location **990** ft. **N.** of **S.** Line and **990** ft. **E.** of **W.** Line of **SW/4 SW/4 sec.** Elevation **6289** R.T.
(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

*C. W. Bolin*Date **April 12, 1953**Title **Drilling Superintendent**

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

Commenced drilling **December 27**, 19**52** Finished drilling **March 12**, 19**53**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **4400** to **5224** **G** No. 4, from _____
No. 2, from _____ to _____ No. 5, from _____
No. 3, from _____ to _____ No. 6, from _____

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—	
10-3/4"	32.75#	8	J	118'	None				
7"	22#	10	J	735'	Outside				
7"	20#	8	J	3861.17'	None				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	118'	150	Displacement	8.3	
7"	4335'	300	Plug	10.0	

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
		Nitro	2085 Qts	4/12/53	5224	5224

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ April 12, 19**53** Put to producing _____ April 10, 19**53**
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 **4,545 MCF**

Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **1052**

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	43	43	Surface
43	741	698	Sand and shale
741	1214	473	Shale and shells
1214	1302	88	Shale and sand
1302	1458	156	Shale and shells
1458	1480	22	Sand (very hard)
1480	1486	6	Shale, shells, limy sand
1486	1690	204	Shale and shells
1690	1860	170	Shale
1860	1940	80	Shale and sandy shells
1940	3840	1900	Shale and sand
3840	3915	75	Shale
3915	4280	365	Shale and sand
4280	4284	4	Shale
4284	4335	51	Sand and shale
4335	4353	18	Black shale
4353	4380	27	Sandy shale
4380	4400	20	Gas sand
4400	4425	25	Gray sand
4425	4434	9	Sand
4434	4439	5	Sandy shale
4439	4468	29	Gray sand
4468	4487	19	Sand
4487	4497	10	Gray sand
4497	4528	31	Hard sand

1502

10--

10147 FEET

(OVER)

10147 FEET

16-43094-3

FORMATION RECORD—CONTINUED

FROM—	TO—	TOTAL FEET	FORMATION
4528	4512	16	Hard sandy lime
4517	4517	6	Hard sand
4517	4551	34	Broken sand and shale
4568	4568	11	Broken shale
4658	4658	90	Sandy shale
4678	4678	20	Broken shale and sand
4690	4690	12	Shale and sand
4716	4716	26	Broken sand and shale
4731	4731	15	Broken sand and shale
4787	4787	16	Hard sand
4847	4847	53	Broken sand and shale
4900	4900	25	Broken sand and shale
4925	4925	32	Broken sand and shale
4957	4957	43	Broken sand and shale
5000	5000	25	Hard sand
5025	5025	33	Hard sand
5058	5058	39	Hard sand
5097	5097	28	Hard sand
5125	5125	30	Broken sand and shale
5155	5155	10	Broken sand and shale
5165	5165	10	Hard sand
5175	5175	12	Broken sand and shale
5187	5187	6	Sand and shale
5218	5221	3	Total depth

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

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

HISTORY OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR

UNITED STATES