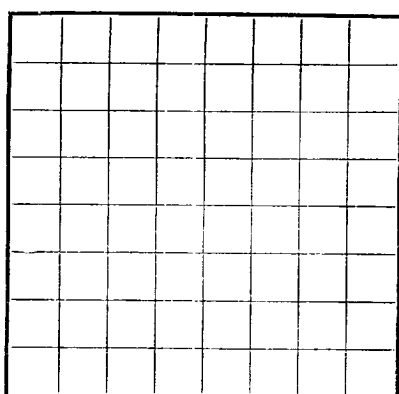


U. S. LAND OFFICE Santa FeSERIAL NUMBER 078503ALEASE OR PERMIT TO PROSPECT Mesaverde

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company D. H. Bolin Address 1120 Oil and Gas Bldg., Wichita Falls, Texas
Lessor or Tract Wm. B. Hardie No. 1-B Field Blanco State New Mexico
Well No. 1-B Sec. 30 T. 29N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 330 ft. N of S Line and 330 ft. E of W Line of SE 1/4 SW 1/4 Elevation 6278 K.B.
(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. BolinDate May 4, 1953Title Drilling Superintendent

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

Commenced drilling January 21, 1953 Finished drilling May 4, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4558 to 5320 No. 4, from _____ to _____
No. 2, from _____ to _____ 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—	
10-3/4"	32.75	8	J	135'	None				
7"	22.75	8	J	766'	Outside				

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	135'	150	Displacement	8.3	
7"	4490'	250	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	1750 qts.	5/4/53	5320'	5187'
		Nitro	2000 "	3/14/53	5319'	5257'

TOOLS USED

Rotary tools were used from 0 feet to 5320 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

May 4, 1953 Put to producing May 27, 1953
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 3,120 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 958 Shut in for connection

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	140	140	Surface
140	433	293	Sand
433	2728	2295	Sand and shale
2728	2852	124	Sand and shale w/ streaks of coal
2852	3445	593	Shale and coal
3445	3993	548	Shale and sand
3993	4035	42	Shale
4035	4315	280	Sand and shale
4315	4330	15	Shale
4330	4935	605	Shale and sand
4935	5290	355	Shale and sand w/ streaks of coal
5290	5320	30	Shale and sand
		5320	Total Depth

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler and Whistler (1973).

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HISTORY OF OIL OR GAS WELL

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FROM	TO	TOTAL FEET	FORMATION RECORD
1000	980	20	SAND AND GRAVEL
980	960	20	SAND AND GRAVEL
960	940	20	SAND AND GRAVEL
940	920	20	SAND AND GRAVEL
920	900	20	SAND AND GRAVEL
900	880	20	SAND AND GRAVEL
880	860	20	SAND AND GRAVEL
860	840	20	SAND AND GRAVEL
840	820	20	SAND AND GRAVEL
820	800	20	SAND AND GRAVEL
800	780	20	SAND AND GRAVEL
780	760	20	SAND AND GRAVEL
760	740	20	SAND AND GRAVEL
740	720	20	SAND AND GRAVEL
720	700	20	SAND AND GRAVEL
700	680	20	SAND AND GRAVEL
680	660	20	SAND AND GRAVEL
660	640	20	SAND AND GRAVEL
640	620	20	SAND AND GRAVEL
620	600	20	SAND AND GRAVEL
600	580	20	SAND AND GRAVEL
580	560	20	SAND AND GRAVEL
560	540	20	SAND AND GRAVEL
540	520	20	SAND AND GRAVEL
520	500	20	SAND AND GRAVEL
500	480	20	SAND AND GRAVEL
480	460	20	SAND AND GRAVEL
460	440	20	SAND AND GRAVEL
440	420	20	SAND AND GRAVEL
420	400	20	SAND AND GRAVEL
400	380	20	SAND AND GRAVEL
380	360	20	SAND AND GRAVEL
360	340	20	SAND AND GRAVEL
340	320	20	SAND AND GRAVEL
320	300	20	SAND AND GRAVEL
300	280	20	SAND AND GRAVEL
280	260	20	SAND AND GRAVEL
260	240	20	SAND AND GRAVEL
240	220	20	SAND AND GRAVEL
220	200	20	SAND AND GRAVEL
200	180	20	SAND AND GRAVEL
180	160	20	SAND AND GRAVEL
160	140	20	SAND AND GRAVEL
140	120	20	SAND AND GRAVEL
120	100	20	SAND AND GRAVEL
100	80	20	SAND AND GRAVEL
80	60	20	SAND AND GRAVEL
60	40	20	SAND AND GRAVEL
40	20	20	SAND AND GRAVEL
20	0	20	SAND AND GRAVEL
0	0	0	SAND AND GRAVEL