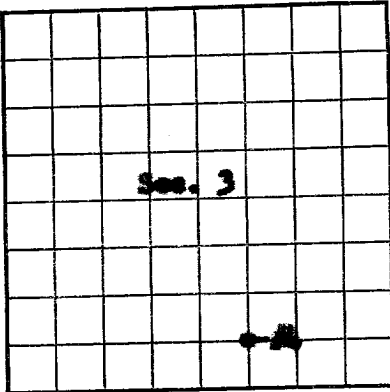


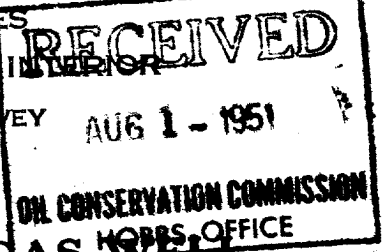
B-33-E

U. S. LAND OFFICE Las Cruces, N.M.

SERIAL NUMBER 060501

LEASE OR PERMIT TO PROSPECT J. T.
Castle Lease

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Amesbury Petroleum Corporation Address Drawer D, Monument, New Mexico
Lessor or Tract J. T. Castle Lease Field Bagley-Pennsylvania State New Mexico
Well No. 4 Sec. 3 T. 12-S R. 33-E Meridian N.M.P. County Lea
Location 660 ft. N. of 8 Line and 1900 ft. W. of 8 Line of Section 3 Elevation 4257' D.F.
(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 [Signature] Title Assistant District SuperintendentDate July 27, 1951

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

Commenced drilling May 17, 1951 Finished drilling July 16, 1951OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 8652' to 9942' 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 1000' 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 From—To—	Purpose
13-3/8"	64	8	8-1/2"	200'	Flare	0-10'	9004'-9024'	Production
8-5/8"	32	8	8-1/2"	200'	Flare	0-10'		
5-1/2"	20	8	8-1/2"	200'	Flare	0-10'		
4-1/2"	16	8	8-1/2"	200'	Flare	0-10'		
3-1/2"	12	8	8-1/2"	200'	Flare	0-10'		
2-1/2"	8	8	8-1/2"	200'	Flare	0-10'		
1-3/4"	6	8	8-1/2"	200'	Flare	0-10'		
1-1/2"	4	8	8-1/2"	200'	Flare	0-10'		
1-1/4"	3	8	8-1/2"	200'	Flare	0-10'		
1-1/8"	2	8	8-1/2"	200'	Flare	0-10'		
1-1/16"	1	8	8-1/2"	200'	Flare	0-10'		

MUDGING AND CEMENTING RECORD

Size casing	Weight per foot	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	64	225	Ballburton	1.25	1-1/2
8-5/8"	32	150	Ballburton	1.25	1-1/2
5-1/2"	20	60	Ballburton	1.25	1-1/2
4-1/2"	16	24	Ballburton	1.25	1-1/2
3-1/2"	12	12	Ballburton	1.25	1-1/2
2-1/2"	8	6	Ballburton	1.25	1-1/2
1-3/4"	6	3	Ballburton	1.25	1-1/2
1-1/2"	4	2	Ballburton	1.25	1-1/2
1-1/4"	3	1	Ballburton	1.25	1-1/2
1-1/8"	2	1	Ballburton	1.25	1-1/2
1-1/16"	1	1	Ballburton	1.25	1-1/2

PLUGS AND ADAPTERS

Heaving plug—Material Marble Length 100' Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Shot	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
13-3/8"	13-3/8"	13-3/8"	200'	7-23-51	9004'	9024'
8-5/8"	8-5/8"	8-5/8"	200'	7-23-51	9004'	9024'
5-1/2"	5-1/2"	5-1/2"	200'	7-23-51	9004'	9024'
4-1/2"	4-1/2"	4-1/2"	200'	7-23-51	9004'	9024'
3-1/2"	3-1/2"	3-1/2"	200'	7-23-51	9004'	9024'
2-1/2"	2-1/2"	2-1/2"	200'	7-23-51	9004'	9024'
1-3/4"	1-3/4"	1-3/4"	200'	7-23-51	9004'	9024'
1-1/2"	1-1/2"	1-1/2"	200'	7-23-51	9004'	9024'
1-1/4"	1-1/4"	1-1/4"	200'	7-23-51	9004'	9024'
1-1/8"	1-1/8"	1-1/8"	200'	7-23-51	9004'	9024'
1-1/16"	1-1/16"	1-1/16"	200'	7-23-51	9004'	9024'

TOOLS USED

Rotary tools were used from 0 feet to 9955 feet, and from _____ feet to _____ feet

Put to producing July 23, 1951

The production for the first 24 hours was 200-48 barrels of fluid of which 96.7 % was oil; 2 % emulsion; 1.3 % water; and _____ % sediment. Gravity, Be. 43.6

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Driller L. G. [Signature] Driller [Signature]
Driller [Signature] Driller [Signature]

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	5	5	Cellar
5	163	158	Caliche & Sand
163	1240	1077	Red Bed
1240	1565	325	Red Bed & Red Rock
1565	1805	240	Red Bed & Anhydrite
1805	1994	189	Red Bed, Anhydrite & Salt
1994	2250	256	Salt & Anhydrite
2250	2570	320	Salt, Anhydrite & Red Rock
2570	2950	380	Anhydrite & Salt Streaks
2950	3382	432	Anhydrite & Salt
3382	3566	184	Anhydrite & Gyp
3566	3664	98	Anhydrite, Gyp & Lime
3664	3741	77	Anhydrite & Gyp
3741	3791	50	Anhydrite, Salt & Lime Streaks
3791	3885	94	Lime & Anhydrite
3885	7000	3115	Lime
7000	7300	300	Dolomite & Anhydrite
7300	7900	600	Shale & Dolomite
7900	8400	500	Dolomite & Anhydrite
8400	8980	580	Chert, Dolomite & Anhydrite
8980	9955	1375	Limestone & Trace of Shale
9955	9955		Total Depth
9955	9450		Plugged Back Depth

(OVER)

16-43094-2

