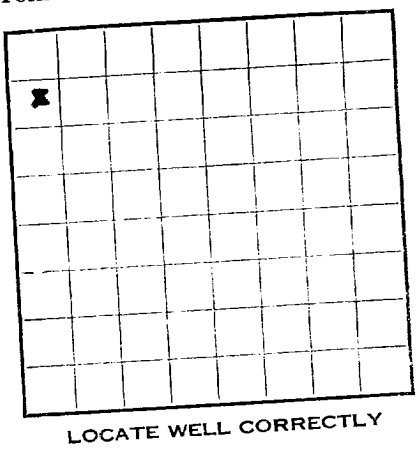
Budget Bureau No. 42-R355.2.
Approval expires 12-31-52.

Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER N. M. 010388
LEASE OR PERMIT TO PROSPECT

COPY TO O. C. C.



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Barney Cockburn Address Box 105, Artesia, N. M.

Lessor or Tract Cockburn-U. S. Minerals Field Maljamar State N. Mex.

Well No. 1 Sec. 33 T. 17S R. 33E Meridian NMPM County LEA

Location 990 ft. {N. / S.} of No. Line and 330 ft. {E. / W.} of W Line of Sec. 33-17-33 Elevation (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. J. Barnes

Title Agt.

Date Feb. 19, 1954

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

Commenced drilling Mar. 1, 1953 Finished drilling Sept. 5, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3652 to 3664 (gas) No. 4, from 4278 to 4298

No. 2, from 4158 to 4162 No. 5, from ____ to ____

No. 3, from 4220 to 4227 No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from 105 to 110 No. 3, from 920 to 930

No. 2, from 440 to 445 No. 4, from 1007 to 1010

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
12¼	56	8	S.H.	235	Reg.	235			
10 3/4	45	8	S.H.	705	Reg.	665 - pulled in 440			
8 5/8	24	8	S.H.	962	Reg.	962			Surface string
7	20	8	Natl.	4275	Reg.				Prod. string
5½	14	8	Natl.	4278	Tex. Pat.				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	1427	(5½" perforated at 1565 and 25 sax pumped behind 5½" casing 1/6/54)			
5½"	4278	100	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
	Halliburton's hydrafrac process, 3000 gal. kerosene, 6000 lbs. sand, 3500 lbs. breakdown pressure					

TOOLS USED

Rotary tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

Cable tools were used from 0 feet to 4298 feet, and from ____ feet to ____ feet

DATES

____, 19____ Put to producing Sept. 5, 1953

The production for the first 24 hours was 20 barrels of fluid of which 100 % was oil; ____ % emulsion; ____ % water; and ____ % sediment.

Gravity, °Bé. ____

If gas well, cu. ft. per 24 hours ____ Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

A. M. Paton, Driller Lee Dodd, Driller

Geo. Sands, Driller F. D. McDaniel, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	60	60	Red bed
60	100	40	Sand
100	110	10	Gravel
110	440	330	Red bed, red rock
440	475	35	Anhydrite
475	880	405	Red bed
880	900	20	Red bed and sand
900	1007	107	Red bed
1007	1024	17	Sand
1024	1085	61	Sandy shale
1085	1291	206	Red bed
1291	1415	124	Anhydrite
1415	1425	10	Shale
1425	1440	15	Anhydrite
1440	1492	52	Red shale & anhy.
1492	1505	13	Salt & anhy. (Sec)
1505	1570	65	Salt & red shale
1570	1880	310	Salt
1880	1930	50	Salt & polahalite
1930	1985	55	Salt & potash
1985	2275	290	Salt & anhy.
2275	2315	40	Salt & anhydrite
2315	2360	45	Pink anhy., salt, shells
2360	2475	115	Salt & anhy.
2475	2490	15	Anhydrite
2490	2555	65	Anhy., red shale

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FOLD | MARK

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2555	2865	310	Anhydrite
2865	2870	5	Sand
2870	2975	105	Anhydrite
2975	2980	5	Bytes sand
2980	3060	80	Anhy.
3060	3085	25	Lime
3085	3640	555	Anhy.
3640	3652	12	Anhy. & shale
3652	3664	12	Red sand (gas)
3664	3732	68	Anhydrite
3732	3753	21	Anhy. gray lime, shells
3753	3865	112	Anhydrite
3865	3883	18	Lime
3883	3923	40	Anhy.
3923	3934	11	Gray lime
3934	4001	67	Anhy.
4001	4278	277	Lime
4278	4298	20	Sandy lime

HISTORY OF OIL OR GAS WELL

16—43094-2 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, 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.