FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
3489	3954	465	Lime
3954	3983	29	Grey lime. Total Depth with Rotary tools
3983	3992	9	Broken grey lime
3992	4000	8	Grey lime
4000	4013	13	Brown lime. Show of gas - 4008 to 4013
4013	4031	18	Grey lime
4031	4040	9	Green shale
4040	4045	5	Green shale and shells
4045	4052	7	Sandy lime
4052	4090	38	Grey lime
4090	4100	10	White lime
4100	4114	14	Grey lime
4114	4120	6	Sandy lime
4120	4150	30	Grey lime
4150	4169	19	Sandy lime show of oil - 4150 to 4169
4169	4197	28	Sand
4197	4254	57	Grey lime increase of oil and gas
4254	4275	21	Brown lime
4275	4284	9	Soft brown lime
4284	4285	1	White lime
4285	4287	2	Grey lime
4287			Total Depth

Budget Bureau No. 42-R355.
Approval expires 11-30-46.

Form 9-330

U. S. Land Office Las Cruces
Serial Number 058697-B
Lease or Permit to Prospect Lease

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COPY

LOG OF OIL OR GAS WELL

Company Johney Cockburn Address Box 115, Artesia, New Mexico

Lessor or Tract Pearl Miller "B" Field East Maljamar State New Mexico

Well No. 18-B Sec. 30 T. 17S R. 33E Meridian NMPM County Lea

Location 1980 ft. {N./S.} of N Line and 1980 ft. {E./W.} of W Line of Sec. 30 Elevation 4062'
(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 (Sgd) Hugh E. Moore

Date September 21, 1943 Title Authorized Agent

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

Commenced drilling July 16, 1943 Finished drilling September 10, 1943

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4008 to 4013 G & O No. 4, from ____ to ____

No. 2, from 4150 to 4169 O No. 5, from ____ to ____

No. 3, from 4227 to 4280 G & O 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 From—	Perforated To—	Purpose
10"	32#	8	Pittsburg	20'					Surface water shut-off
7"	22#	8		3954'	Larkin		Oil string		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10"	20'	24 sacks			
7"	3954'	250 sacks	Halliburton	10 Tons Silverton Clay, 30 sacks Aquagee, 20 sacks Zeogel, Circulating back to surface.	

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
5"		Nitro-Glycerin	200 qts.	9-9-43	4150-4250	To bottom
3½"		Nitro-Glycerin	140 qts.	9-9-43	4250-4287	To bottom

TOOLS USED

Rotary tools were used from 0 feet to 3954 feet, and from ____ feet to ____ feet

Cable tools were used from 3954 feet to 4287 feet, and from ____ feet to ____ feet

DATES

September 21, 1943 Put to producing September 15, 1943

The production for the first 24 hours was 50 barrels of fluid of which ____ % was oil; ____ % emulsion; ____ % water; and ____ % sediment. Gravity, °Bé. ____

If gas well, cu. ft. per 24 hours After shot 200 barrels Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

M.F. Willis, Driller S.M. Watts, Driller

____, Driller Floyd Davis, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	30	30	Caliche
30	85	55	Caliche and sand
85	810	725	Red bed and red rock
810	1120	310	Red rock
1120	1180	60	Anhydrite and shale
1180	1255	75	Anhydrite
1255	1270	15	Broken anhydrite
1270	1440	170	Anhydrite and salt
1440	1745	305	Salt
1745	2013	268	Salt and shells
2013	2170	157	Anhydrite and salt
2170	2472	302	Anhydrite and shale
2472	2530	58	Anhydrite
2530	2744	214	Anhydrite and gypsum
2744	2778	34	Anhydrite
2778	2820	42	Anhydrite and gypsum
2820	2892	72	Anhydrite
2892	2928	36	Anhydrite and gypsum
2928	2980	52	Anhydrite
2980	3124	144	Anhydrite and gypsum
3124	3285	161	Anhydrite
3285	3334	49	Anhydrite and lime
3334	3440	106	Anhydrite
3440	3482	42	Anhydrite and lime
3482	3489	7	Anhydrite

(OVER)

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