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

U. S. Land Office Las Cruces
Serial Number 020697-B
Lease or Permit to Prospect

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COPY

LOG OF OIL OR GAS WELL

Company [redacted] Address Box 115, Artesia, New Mexico
Lessor or Tract [redacted] Field [redacted] State New Mexico
Well No. 4 Sec. of T. 22 S. R. 32 E. Meridian [redacted] County Lea
Location [redacted] ft. [redacted] of Sec. 25 Elevation 4024'
(Check from relative to sea level)

The information given herein 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 [redacted] Harvey Cockburn
Date [redacted] Title
The summary on this page is for the condition of the well at above date.

Commenced drilling 10-20-42, 19...

OIL OR GAS SANDS

No. 1, from [redacted] to [redacted]
No. 2, from [redacted] to [redacted]
No. 3, from [redacted] to [redacted]

No. 4, from [redacted] to [redacted]
No. 5, from [redacted] to [redacted]
No. 6, from [redacted] to [redacted]

IMPORTANT WATER SANDS

No. 1, from [redacted] to [redacted]
No. 2, from [redacted] to [redacted]
No. 3, from [redacted] to [redacted]

CASING RECORD

Size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From	Perforated To	Purpose
13"									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
					To surface
					To surface

PLUGS AND ADAPTERS

Heaving plug—Material [redacted] Length [redacted] Depth set [redacted]
Adapters—Material [redacted] Size [redacted]

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
13"		[redacted]			[redacted]	To bottom

TOOLS USED

Rotary tools were used from [redacted] feet to [redacted] feet, and from [redacted] feet to [redacted] feet
Cable tools were used from [redacted] feet to [redacted] feet, and from [redacted] feet to [redacted] feet

DATES

February 20, 1943 [redacted] Put to producing November 1, 1943

The production for the first 24 hours was [redacted] barrels of fluid of which [redacted] % was oil; [redacted] % emulsion; [redacted] % water; and [redacted] % sediment. Gravity, °Bé. [redacted]
If gas well, cu. ft. per 24 hours [redacted] Gallons gasoline per 1,000 cu. ft. of gas [redacted]
Rock pressure, lbs. per sq. in. [redacted]

EMPLOYEES

[redacted] Driller [redacted] Rich Reed [redacted] Driller
[redacted] Driller [redacted] Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	38	38	sand & caliche
38	430	392	red beds
430	996	566	red beds & anhydrite
996	1150	154	anhydrite
1150	1237	87	salt
1237	2245	1008	salt & anhydrite
2245	2419	174	anhydrite & shale
2419	2526	107	anhydrite & gypsum
2526	2640	114	gypsum & lime
2640	3221	581	lime & gypsum
3221	3261	40	lime
3261	3327	66	lime & gypsum
3327	3460	133	lime & sand
3460	3470	10	lime
3470	3553	83	lime
3553	3558	5	lime
3558	3575	17	lime
3575	3580	5	lime
	T.D.		

FROM—	TO—	TOTAL FEET	FORMATION

MORNINGTON DRILLING CO. Inc.

COPY