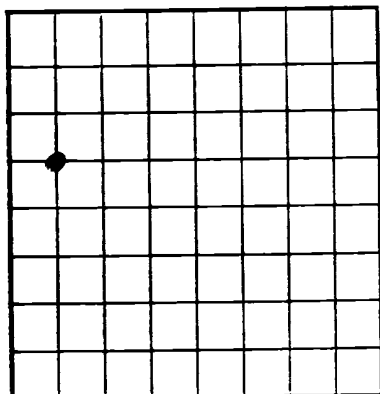


U. S. LAND OFFICE, Las Cruces
SERIAL NUMBER 11501-5
LEASE OR PERMIT TO PROSPECT Lease



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COPY

LOG OF OIL OR GAS WELL

Company Johney Cockburn Address P.O. Box 115, Artesia, New Mexico
Lessor or Tract Pearl Miller Field Llano State New Mexico
Well No. 13-E Sec. 30 T. 17 R. 33 Meridian NMPM County Doña Ana
Location 1980 ft. {N} of N. Line and 660 ft. {E} of W. Line of Sec. 30 Elevation 4052'
(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 (Sig) Johney Cockburn

Date May 20, 1943

Title

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

Commenced drilling March 27, 1942 Finished drilling May 4, 1943

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4138' to 4154' No. 4, from _____ to _____
No. 2, from 4202' to 4227' No. 5, from _____ to _____
No. 3, from 4226' to 4270' 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—	
7"	20#	8"	Pittsburg	3942'			Shut off above salt		with heavy mud
10"	40#	8"	Pittsburg	20' & 7"					Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	3942'	200	Halliburton		Circulated with mud

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
3"		Nitrocellulose	50 lbs.	5-11-43	4225-4270'	To bottom

TOOLS USED

Rotary tools were used from _____ feet to 4055 feet, and from _____ feet to _____ feet
Cable tools were used from 4055 feet to 4270 feet, and from _____ feet to _____ feet

DATES

Put to producing May 15, 1943

The production for the first 12 hours was 274 barrels of fluid of which _____ % 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

Johney Cockburn, Driller Pick Ross, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	40	40	Caliche
	454	394	Red bed and shells
	504	150	Red bed
	705	151	Red bed and red rock
	970	265	Red rock
	1045	75	Red bed and shells
	1120	75	Broken anhydrite
	1220	100	Anhydrite
	1245	25	Broken anhydrite
	1270	25	Salt and shells
	1704	434	Salt and anhydrite
	1750	46	Salt
	2242	512	Salt and shells
	2320	78	Salt
	2332	12	Anhydrite
	2370	38	Broken anhydrite
	2445	75	Hard anhydrite
	2512	67	Anhydrite
	2518	6	Anhydrite and gypsum
	2930	412	Anhydrite
	3004	74	Anhydrite and gypsum
	3028	24	Anhydrite and lime shells
	3110	82	Anhydrite and gypsum
	3165	55	Anhydrite
	3230	65	Anhydrite and gypsum

COPY

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
3280	3411	131	Anhydrite
3411	3501	90	Lime and anhydrite
3501	3599	98	Lime
3599	3630	31	Anhydrite
3630	3847	217	Lime
3847	3857	10	Sandy lime
3857	4055	198	Lime with Rotary Tools
4055	4065	10	Grey lime With cable tools
4065	4073	8	Lime
4073	4096	23	Grey lime
4096	4106	10	Lime
4106	4115	9	Grey lime
4115	4138	23	Lime
4138	4154	16	Sandy grey lime
4154	4177	23	Lime
4177	4187	10	Grey lime
4187	4207	20	Lime (Show of oil)
4207	4222	15	Grey lime
4222	4226	4	Lime
4226	4260	34	Brown lime (increase of oil)
4260	4270	10	Lime
4270			Total Depth