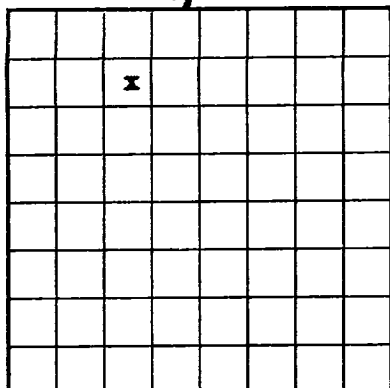


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 060967
LEASE OR PERMIT TO PROSPECT



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company BARNETT COCKBURN Address P.O.Box 105, Artesia, New Mexico
Lessor or Tract Wyatt-Phillips Field Maljamar State New Mexico
Well No. 5 Sec. 33 T. 17 R. 33E Meridian NMPM County Lea
Location 990 ft. {~~NS~~ } of N Line and 165 ft. {~~E~~ } of W Line of Sec. 33-17-23 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 _____

Date February 17, 1955 Title _____ Agent _____

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

Commenced drilling May 20, 1953, 19____ Finished drilling January 26, 1955, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 426C to 4298 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 _____

No. 2, from _____ to _____

No. 3, 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—	
8 5/8"	24			1140	Baker				
7 1/2"	20			1331	Baker				
7 1/4"	20			1333	Baker				
HARDY & CO. OF NEW YORK									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	1140	66	Halliburton		
7"	1231	50	Denton		
4 1/2"	4258	100	Denton		

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
Well was given Halliburton Hydrafrac process, using 7500 gallons gas oil and 10,000 pounds sand.						

TOOLS USED

Rotary tools were used from _____ 0 _____ feet to _____ 1220 _____ feet, and from _____ feet to _____ feet

Cable tools were used from _____ 1220 _____ feet to _____ 4305 _____ feet, and from _____ feet to _____ feet

DATES

Put to producing February 1, 1955

The production for the first 24 hours was 35 barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé. 35

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

Rock pressure, lbs. per sq. in. -----

EMPLOYEES

EMPLOYEES		C. G. Thompson	
Leo Bond	Driller		Driller
F. D. McDaniel	Driller		Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	116	116	Sand and Shale
116	121	5	Gravel, Water
121	788	667	Red Bed, Shale
788	906	118	Red Bed, Shale, Shell
906	1092	186	Red Bed, Shell
1092	1244	152	Anhydrite
1244	1315	71	Red Bed,
1315	1480	165	Anhydrite,
1480	1540	60	Anhydrite, Red Bed, Salt.
1540	1740	200	Salt
1740	1860	120	Salt, Potash
1860	2005	145	Salt, Red Bed
2005	2360	355	Salt, Potash
2360	2410	50	Salt, Potash, Gypsum
2410	2515	105	Salt & Potash
2515	2750	235	Anhydrite
2750	2770	20	Red Shale
2770	2840	70	Anhydrite Broken,
2840	3110	270	Anhydrite
3110	3185	75	Anhydrite, Lime
3185	3595	410	Anhydrite
3595	3630	35	Anhydrite, Lime
3630	3681	51	Anhydrite
3681	3690	9	Red Sand
3690	3695	5	Gray Lime
3695	3700	5	Sand, Lime

LOG OF OIL OR GAS WELL

ИТОГАМИ: 120 000 000

[illegible][illegible]

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 "saddled" or left in the well, give its size and location. If the well has been dynamited, give the 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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
3700	3710	10	Anhydrite, Time
3710	3715	5	Time
3715	3880	165	Anhydrite
3880	3915	35	Gray Lime Broken
3915	3925	10	Anhydrite, Time
3925	4035	110	Anhydrite
4035	4305 P.D.	270	Time
		4305	