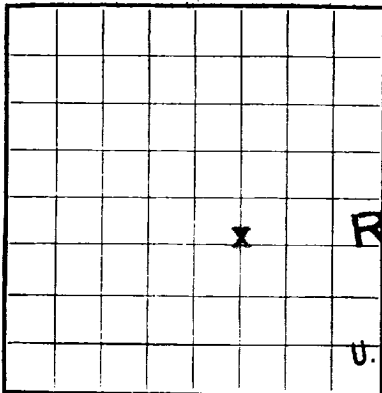


U. S. LAND OFFICE New Mexico
SERIAL NUMBER 023566
LEASE OR PERMIT TO PROSPECT Lusk Unit

LOCATE WELL CORRECTLY

1963 JUL 12 AM 10:22
RECEIVEDJUL 8 1963
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**LOG OF OIL OR GAS WELL**Company El Paso Natural Gas Company Address P. O. Box 1492, El Paso 99, Texas
Lessor or Tract Lusk Unit Field Lusk-Strawn-Morrow State New Mexico
Well No. 5 Sec. 19 T. 19S R. 32E Meridian NMPM County Lea
Location 1980 ft. N of S Line and 1980 ft. E of E Line of Section 19 Elevation 3550 GL
(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 July 1, 1963Title Supt. Pet. Eng.

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

Commenced drilling April 16, 1963 Finished drilling June 11, 1963**OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from 11,207 to 11,221 No. 4, from _____ to _____
No. 2, from 11,221 to 11,224 No. 5, from _____ to _____
No. 3, from 12,400 to 12,412 (G) 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—	
13-3/8	54.5	8	Young	850	Howco	-----	---	---	Surface
8-5/8	32	8	CPI	4506	"	-----	---	---	Salt
5-1/2	20-17	8-Butt.	Young	12,554	"	-----	11,207	11,221	Prod.
							11,221	11,240	Prod.
							12,400	12,412	Prod.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	850	1050	Plug		
8-5/8	4506	3100	Two stage		
5-1/2	12,554	600	Plug		

PLUGS AND ADAPTERSHeaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____**SHOOTING RECORD**

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USEDRotary tools were used from 0 feet to 12,560 feet, and from Gas Drilling 4506 feet to 9160 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet**DATES**_____ June 16, 1963 Put to producing _____ July 1, 1963Strawn production for the first 24 hours was 362 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, ^{°Bé} 46.2 ^{°API} XXMorrow well, cu. ft. per 24 hours 9,450,000 Gallons gasoline per 1,000 cu. GOR 16,768/1Rock pressure, lbs. per sq. in. 5055 (Strawn) (Morrow) - 5200.**EMPLOYEES**_____, Driller _____, Driller
_____, Driller _____, Driller**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
0	900	900	Red beds
900	1000	100	Rustler
1000	2320	1320	Salt
2320	2480	160	Dolomite
2480	2840	400	Yates
2840	4450	1610	Seven Rivers
4450	7030	2580	Delaware
7030	10,360	3330	Bone Springs
10,360	11,090	730	Wolfcamp
11,090	11,760	670	Strawn
11,760	12,560	800	Morrow

ESTADIA, NEW MEXICO

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4/16/63 - Spud
4/18/63 - Ran 13-3/8" surface casing
5/1/63 - Ran 8-5/8" salt casing
5/22/63 - Cored Strawn zone 11,180' - 11,225'
5/23/63 - Cored Strawn zone 11,225' - 11,258'
6/8/63 - DST on Morrow zone 12,020' - 12,339'. Gaged 810 mcf/d.
6/12/63 - Ran 5-1/2" production casing
6/16/63 - Perf. Strawn zone 11,207' - 11,221', 11,224' - 11,240'
Perf. Morrow zone 12,400' - 12,412'
Ran 2 strings of 2-1/16" OD tubing at 11,100' and 12,310'. Set two BOT packers
, at base of each tubing string for Dual completion
6/25/63 - Test Strawn Zone
6/26/63 - Test Morrow Zone

[illegible]