

U. S. LAND OFFICE New Mexico
SERIAL NUMBER LC-060398-B
LEASE OR PERMIT TO PROSPECT -

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Section 3

X

LOCATE WELL CORRECTLY

Company Shell Oil Company Address Box 845, Roswell, New Mexico
(Agent for The Texas Company)
Lessor or Tract Little Lucky Lake Unit Field W. Henshaw-Grayburg State New Mexico
Well No. 2 Sec. 3 T-16-S R-30-E Meridian NMPM County Eddy
Location 3329 ft. S of N Line and 1980 ft. E of W Line of Section 3 Elevation 3868
(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 Rex C. Cabaniss Rex C. Cabaniss
Date August 5, 1958 District Exploitation Engineer

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

Commenced drilling July 18-----, 1958 Finished drilling July 29-----, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2819 to 2827 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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	433'	300	Pump & Plug	Cemented to	surface
5 1/2"	2870'	600	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----
Adapters—Material ----- Size -----

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 2870 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

August 3, 1938 Put to producing August 4, 1938
 The production for the first 24 hours was 610 barrels of fluid of which 99% was oil; %
 emulsion; % water; and % sediment. Gravity, °Bé. 36.2 deg.
 If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
 Rock pressure, lbs. per sq. in.

EMPLOYEES

-----, Driller -----, Driller
-----, Driller -----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	41	41	Caliche & Red Beds
41	356	315	Red Beds
356	440	84	Red Beds & Salt
440	1115	675	Salt
1115	1435	320	Salt & Anhydrite
1435	2568	1133	Anhydrite with Shale Streaks
2568	2800	232	Dolomite & Anhydrite
2800	2870	70	Dolomite & Sand
LOG TOTALS:			
Yates	1349'	(+2519')	
Queen	2119'	(+1749')	
Grayburg	2500'	(+1368')	
Premier	2809'	(+1059')	

RECEIVED
AUG 2 1958

[OVER]

RECEIVED
AUG 8 1958
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

[illegible]

Spudded - 7:00 PM, MWT, 7-18-58 w/11" bit. Lost circulation - 1:45, drilled blind. Cemented 8 5/8" casing - 433' w/300 ex. WOC. Tested casing, OK. Drilled out & tested formation, OK. Drilled ahead w/7 7/8" bit. Had small air pocket blow out - 800' - 850'. Drilled to 2866', cut core # 1 - 2806' - 2856' (50' Grayburg Premier). Recovered 50' being: 30' dolomite, 19' sand, & 1' shale. Ran GH/LT & ML surveys. Drilled to TD 2870' & cemented 5 1/2" casing @ 2870' w/600 ex. Released rig - 7:00 AM, MWT, 7-30-58. Moved out rig. Rigged up pulling unit. Ran 2" tubing to RBD 2846'. Displaced hole w/oil. Spotted 100 gallons MCA on bottom. Pulled tubing. Ran GH/CCL survey & perforated 2819' - 2827' w/4 jet shots per foot. Ran tubing & pump @ 2839'. Broke new into formation. Swabbed 61 HF cut 0.6% acid water. Freeste w/20,000 gallons lease crude containing 1% sand & 0.1% Adomite/gallon. Hung tubing - 2824'. Swabbed 144 HF & well kicked off & flowed. Flowed load oil back & ran out of 604 RBD based on 4 1/2 hours flow on 6-4-58.

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Her O. O'Brien
Original Signed By