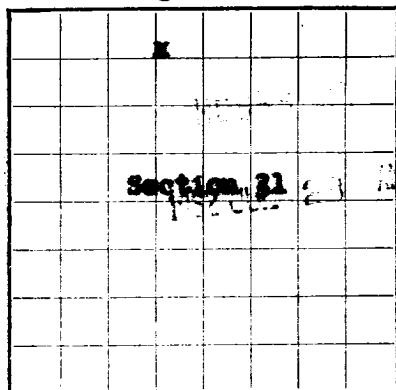


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JUL 13 1962

UNITED STATES

DEPARTMENT OF THE INTERIOR

ALBUQUERQUE, NEW MEXICO

GEOLOGICAL SURVEY

THIS WELL IS IN THE LITTLE LUCKY LAKE UNIT, OPERATED BY
TEXACO INC.
LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Shell Oil Company Address P. O. Box 1852, Roswell, New MexicoLessor or Tract Shell Oil Company Federal Field Little Lucky Lake State New MexicoWell No. 1 Sec. 21 T. 15 R. 3 Meridian 24N County SandovalLocation 660 ft. S. of 1 Line and 1300 ft. E. of 1 Line of Section 21 Elevation 3522
(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 R. L. RankinOriginal Signed by
R. L. RANKIN

Division Production Manager

Agent for Lease 21-01789

Date July 16, 1962Title Agent for Lease 21-01789

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

Commenced drilling May 3 1962 Finished drilling June 24 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ 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. 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
13 3/8	43	8	National	472				Surface
8 5/8	30	8	Lucas	1400				Intermediate
5 1/2	27	8	Lucas	275				Oil

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	493	500	Pump & Plug	Cemented to surface	
8 5/8	3003	1400	Pump & Plug	Cemented to surface	
5 1/2	4406	275	Pump & Plug		

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

TOOLS USED

Rotary tools were used from 0 feet to 11,250 feet, and from _____ feet to _____ feet

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

DATES

July 16, 1962 Put to producing 21 July 9, 1962

The production for the first 24 hours was _____ 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

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	450	450	Surface Sands, Caliche, Red Beds, Anhydrite
450	1380	930	Anhydrite, Sand, Shale
1380	2970	1590	Limestone, Sand, Shale
2970	5570	2600	Dolomite, Limestone
5570	7680	2110	Dolomite, Limestone, Shale
7680	9750	2070	Limestone, Shale
9750	10,365	615	Shale & Limestone
10,365	11,250	885	Limestone, Dolomite, Shale
LOG TOPS:			
Base Red Beds		451'	(+3471')
Yates		1379'	(+2543')
Queen		2126'	(+1796')
San Andres		2873'	(+1049')
Yeso		4322'	(-400')
Driskill silt		5570'	(-1648')
Abo		6363'	(-2446')
Wolfcamp		7681'	(-3759')
Pennsylvanian		8268'	(-4346')
Atoka		9748'	(-5826')
Mississippian Limestone		10,365'	(-6443')
Silurian		10,930'	(-7008')

FROM—

TO—

TOTAL FEET

[OVER]

2061 '6 Aug 1962

30713 Chesapeake Federal Well No. 1 was spudded at 8:00 PM, MON, 5-5-62 w/Hobby Tools.
Drilled 2 1/2 hole to 95'. Cemented 19 5/8 casing at 495' w/500 ex. Drilling 11
hole to 3003'. Cemented 8 5/8 casing at 3003' w/1300 ex. Cement did not circulate,
run 1 tubing to 250' and cemented 6 7/8 ex. Drilled 7 7/8 hole, losing partial
returns at 4700', added lost circulating material to water. Mudding up at 10,300' w/M
Chem-Bentonite mud. Drilled 7 7/8 hole to 10,800'. Run GR/correlation log to 207'
to 835'. Core # 2: 10,909' - 10,944' (35'), core # 3 to 944' - 10,967' (23'); core
4 to 967' - 11,009' (42'). Running at 21,250 ft. Run GR/N, 21-IT & Wind Velocity
Survey. Run WL log # 1: 994' - 9917' (3' Above). Tool open 45 minutes. Recovered
1500 cc mud filtrate and formation water, and 0.13 cu. ft. Free gas. 45 minutes IRIHP
4000 psi. Sampling pressure less than 100 psi. WL log # 2:
374' - 3737' (3' San Andres). Tool open 90 minutes. Recovered 800 cc mud filtrate
w/good oil fluor. and 0.02 cu. ft. Free gas. 20 minutes IRIHP 820 psi. 116 minutes
IRIHP 1500 psi. Sampling less than 50 psi. WL log # 3: 3734' - 3737' (3' San Andres).
Tool open 20 minutes. Recovered 25 cc mud filtrate and no free gas. 30 minutes IRIHP
0536.5' (3' Perm.). Tool open 30 minutes. Recovered 0 fluid and 0.15 cu. ft. Free gas.
40 minutes IRIHP 1220 psi - explosion phase. 30 minutes IRIHP less than 100 psi.
Sampling pressure less than 100 psi. Set cement plugs (50 ex. regular) at 11,000'.
Cemented 5 1/2 casing at 4406' w/275 ex. RWD 4364'. Run 5 1/8 casing at 4364' - 4392'.
Displaced water w/oil. Swabbed 11 to 2000'. Drilled tubing. Run GR/OCT 4364' - 3500'.
Perforated 3666' - 3684', 3700' - 3720', 3732' - 3738' w/2 JSPF. Run 2 1/8 casing
w/Annular seal hydraulic isolation to 3684'. Broke down formation w/12 bits. Of OIL and
and fired. Swabbed at 4 1/2 PSI./hour, 100% water. Fitted tubing. Fracture created
down 9 1/2 casing w/12000 gallons loss oil containing 10 sand and 1/200 lb. Part II
Aluminum/button being well meters. Did not recover load. Swapped 5/8 meter.

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 the results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If pillars or bridges were put in to rest for water, state kind of material used, position, and results of pumping or falling of pillars.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

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