N. M. O. C. C. COPY

Form 9-330 R-31-E

RECEIVED NOV 20 1961

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE New Mexico
SERIAL NUMBER NM-0160
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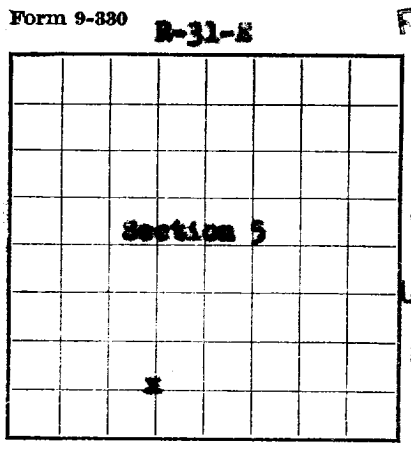


LOCATE WELL CORRECTLY

RECEIVED NOV 15 1961 U. S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address Box 1858, Roswell, New Mexico

Lessor or Tract Trigg-Federal Field undesignated State New Mexico

Well No. 4 Sec. 5 T. 16S R. 31E Meridian NMPM County Eddy

Location 660 ft. {N.} of S Line and 1980 ft. {E.} of W Line of Section 5 Elevation 4053
(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. A. Lowery Original Signed By R. A. LOWERY

Date November 13, 1961 Title District Exploitation Engineer

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

Commenced drilling July 29, 1961 Finished drilling August 4, 1961

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 3353' to 3357' 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 From—	Perforated To—	Purpose
7 5/8"	24#	8rd	CFAI	192'					Surface
4 1/2"	9.5#	8rd	Lonestar	3550'			3353'	3357'	Oil

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7 5/8"	202'	130	Pump & Plug	Cemented to surface	
4 1/2"	3519'	400	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 3550 feet, and from feet to feet

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

DATES

November 13, 1961 Put to producing November 1, 1961

The production for the first 24 hours was 6 barrels of fluid of which 99.6 % was oil; - % emulsion; 0.4 % water; and - % sediment.

Gravity, °Bé. 37.3 deg. API

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	764	764	Red Beds, Sandstone, Shale
764	1852	1088	Anhydrite, Salt
1852	3345	1493	Sandstone, Shale, Anhydrite, Dolomite
3345	3367	22	Sandstone, Siltstone, Shale, Dolomite
3367	3550	183	Dolomite, Shale, Sandstone

LOG TOPS:

Base Red Beds	764'	(+3289')
Yates	1852'	(+2201')
Seven Rivers	2101'	(+1952')
Queen	2652'	(+1401')
Grayburg	3048'	(+1005')
Premier	3345'	(+708')
San Andres	3406'	(+647')
Lovington Sand	3496'	(+557')

FROM— TO— TOTAL FEET FORMATION

[OVER] 16—43094-3

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

HISTORY OF OIL OR GAS WELL

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 "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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Shell Trigg-Federal No. 4 was spudded at 1:00 PM, 7-29-61, w/Rotary tools. Drilled 6 3/4" hole to 700'. Reamed w/9 7/8" RB to 200'. Cemented 7 5/8" casing at 202' w/135 sx. cement. Drilled 6 3/4" hole to 3362'. Cored Frontier and Lovington Sandstones 3342' - 3396' & 3452' - 3516' respectively. Cemented 4 1/2" casing at 3369' w/400 sx. Run GR/CCL log. Perforated 3355', 3356', 3357' w/4-way jet gun. Treated via 4 1/2" casing w/30,000 gallons Texas crude containing 1.5# sand and 1/40# Adomite/gallon. Run pump and rods. Run 2" tubing & hung @ 3367'. Set pumping unit. Recovered load.

On OPT pumped 6 BOPD, cut 0.4% water, w/12-64" SPM. Gravity 37.3 deg. API. Official Completion Date 11-1-61.

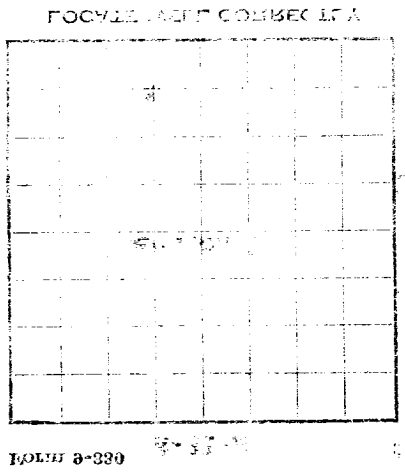
OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from	to	No. 3, from	to
No. 2, from	to	No. 4, from	to

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY



UNITED STATES
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GEOLOGICAL SURVEY

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16—43094-2 U. S. GOVERNMENT PRINTING OFFICE