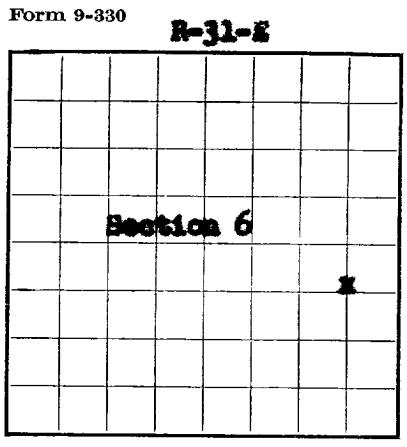
N. M. O. C. C. COPY

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

R-31-E



LOCATE WELL CORRECTLY

U. S. LAND OFFICE New Mexico
SERIAL NUMBER NM-0162
LEASE OR PERMIT TO PROSPECT -

RECEIVED
AUG 28 1961
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
AUG 23 1961
O. C. C.
ARTESIA, OFFICE

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. 6 Sec. 6 T. 16S R. 31E Meridian NMPM County Eddy

Location 1980 ft. [N.] of S Line and 660 ft. [W.] of E Line of Section 6 Elevation 4012
(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 August 25, 1961 Title District Exploitation Engineer

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

Commenced drilling August 8, 19 61 Finished drilling August 14, 19 61

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3281' to 3296' 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
9 5/8"	24#	8rd		192					Surface
4 1/2"	9.5# & 11.6#	8rd	Lonestar	3318	Guide		3281', 3296'	3298'	Oil
							3256'		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	202'	135	Pump & Plug	Cemented to surface	
4 1/2"	3328'	475	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 3330 feet, and from ____ feet to ____ feet

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

DATES

August 25, 19 61 Put to producing August 22, 19 61

The production for the first 24 hours was 224 barrels of fluid of which 99.8 % was oil; - % emulsion; - % water; and 0.2 % sediment. Gravity, °Bé. 35.8 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	670	670	Red Beds, Sandstone, Shale,
670	1745	1075	Anhydrite, Salt
1745	3218	1473	Sandstone, Shale, Anhydrite, Dolomite
3218	3246	28	Sandstone, Siltstone, Shale, Dolomite
3246	3330	84	Dolomite, Shale, Sandstone

LOG TOPS:

Base Red Beds	670'	(+3342')
Yates	1745'	(+2267')
Seven Rivers	1992'	(+2020')
Queen	2532'	(+1480')
Grayburg	2920'	(+1092')
Premier	3218'	(+794')
San Andres	3266'	(+746')

FOLD | MARK

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—48094-2 U. S. GOVERNMENT PRINTING OFFICE

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. 6 was spudded at 2:00 PM, 8-8-61, w/rotary tools. Drilled 6 3/4" hole to 700'. Reamed hole to 9 7/8" down to 202'. Cemented 7 5/8" casing at 202' w/135 sx. cement. Drilled 6 3/4" hole to 3220'. Cored Premier sand 3220' to 3302'. Drilled to TD 3330' w/6 3/4" bit. Ran GR/S log. Cemented 4 1/2" casing at 3328' w/275 sx. 50-50 Pozmix w/18% gel + 200 sx. Class A w/4% gel. Ran GR/CCL log. Perforated at 3231', 3238', & 3256' w/4-way jet. Treated via 4 1/2" casing w/20,200 gallons lease crude + 14,800# sand + 1010# Mark II Adomite. Swabbed until well kicked off & recovered load.

On OPT flowed 224 BOPD, cut 0.2% BS&W, thru 20/64" choke.
FCP 580 psi. FTP 180 psi. Gravity 35.8 deg. API.
Official completion date August 22, 1961.