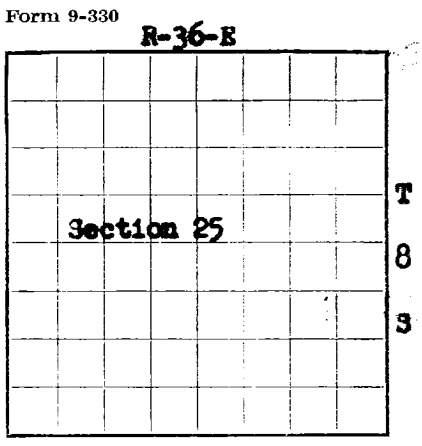
Form 9-330

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

NOTED
AUG 30 1961
STANDLEY

U. S. LAND OFFICE New Mexico
SERIAL NUMBER LC-060114-B
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

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 Shearn-Federal Field Allison-Penn. State New Mexico

Well No. 2 Sec. 25 T. 8S R. 36E Meridian NMPM County Roosevelt

Location 660 ft. N. of S Line and 660 ft. W. of E Line of Section 25 Elevation 4059'
(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 29, 1961 Title District Exploitation Engineer

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

Commenced drilling July 18, 1961 Finished drilling August 19, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 9632' to 9648' 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
10 3/4"	32.75#	8rd	Lonestar	323'					Surface
7 5/8"	24#, 26#	8rd	J & L	4149'	Guide				Intermediate
4 1/2"	9.5#,	8rd	Lonestar	9737'	Guide		9632'	9638'	Oil
	11.6#		CFAI				9644'	9648'	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	335'	285	Pump & Plug	Cemented to surface	
7 5/8"	4161'	450	Pump & Plug	Cemented to surface	
4 1/2"	9750'	250	Pump & Plug		

FOLD | MARK

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 9750 feet, and from feet to feet

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

DATES

August 29, 1961 Put to producing August 25, 1961

The production for the first 24 hours was 200 barrels of fluid of which 100 % was oil; - % emulsion; - % water; and - % sediment. Gravity, °Bé. 49.2 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	180	180	Surface Sand & Caliche
180	2300	2120	Red Beds
2300	2860	560	Anhydrite & Salt
2860	4083	1223	Anhydrite, Salt, Sand, Shale
4083	4830	747	Anhydrite & Dolomite
4830	5447	617	Dolomite, Sand, Shale
5447	8788	3341	Dolomite & Shale
8788	8959	171	Dolomite, Limestone, Shale
8959	9750	791	Limestone & Shale

LOG TOPS:

Rustler Anhydrite	2315'	(+1744')
Yates	2820'	(+1239')
Seven Rivers	3028'	(+1031')
San Andres	4083'	(-24')
Yeso	5526'	(-1467')
Tubb	6926'	(-2867')
Abo	7728'	(-3669')
Wolfcamp	8959'	(-4900')
Pennsylvanian	9556'	(-5497')
Bough "C"	9624'	(-5565')

[OVER]

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 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 Shearn Federal # 2 was spudded at 1:00 PM, MST, 7-18-61. Drilled 15" hole to 339' and cemented 10 3/4" casing at 332' w/285 sx. Drilled with 9 5/8" bit to 4160' and cemented 7 5/8" casing at 4161' w/450 sx. Drilled with 6 3/4" bit to 9750'. Ran GR/N survey from TD - surface; LL-3, TD - 8800'; MLL, TD - 8800'. Cemented 4 1/2" casing at 9750' w/250 sx. PBTD 9717'. Ran GR/CCL log. Perforated 4 1/2" casing 9632' - 9638' and 9644' - 9648' w/4 jet shots per foot. Treated w/500 gallons 15% MCA. Recovered load.

On OPT flowed 200 BOPD, no water, thru 16/64" choke. FTP 1000 - 1100 psi. Gravity 49.2 deg. API.

RECEIVED
DEC 30 1961
OCC