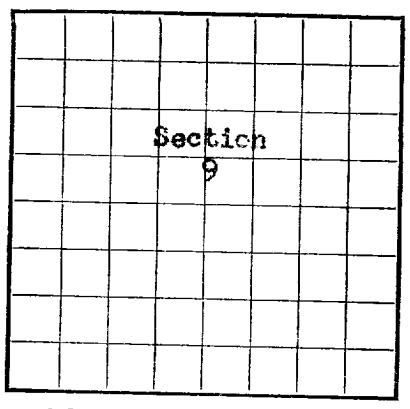
COPY TO O.C.C.

Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER L. C. 065649
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Production Company Address P. O. Box 146 Hobbs, New Mexico
Lessor or Tract Federal Saunders Field Pear Queen State New Mexico
Well No. 5 Sec. 9 T. 20 S R. 35 E Meridian NMPM County Lea
Location 330 ft. {N. X / S.} of N Line and 660 ft. {E. X / W.} of W Line of Sec. 9 Elevation 3676 Gl.
(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 Wesley M. Anderson

Date February 10, 1962 Title Field Foreman

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

Commenced drilling 10-12-61, 19 Finished drilling 10-26-61, 19

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 5020 to 5030 (G) No. 4, from to
No. 2, from 5033 to 5038 (G) 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
8-5/8	24#	8 RD	J-55	206'			Surface	Prod.	
4-1/2	9.5	8 RD	J-55	5062'					
2 3/8	4.70	8 RD	J-55	5013'					

RECORD OF CONDITION OF CASING

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	218'	150	(Halliburton)		
4-1/2	5062	250			

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
Perf - 5033' - 5038' 5033' - 5038' - Fraced with 50,000 # sand, 30,000 gals. oil and 100 gals acid						

TOOLS USED

Rotary tools were used from -0- feet to 5063' feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

November 13, 19 61 Put to producing, 19

The production for the first 24 hours was Pumped 165 barrels of fluid of which 100% 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

Cactus Drlg. Co., Driller Pedigrew, Driller
Pedigrew, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1945	Red Bed and Shale	Tops: Anhy 1970' Yates 3800' 7-Rivers 4600' Queen 4620 T.-Pay 5020'
1945	2070	Anhy	
2070	3510	Salt	
3510	3940	Anhy	
3940	4190	Sand with oil stringer	
4190	4570	Dol with Sand stringer	
4570	4720	Sand Slight dol	
4720	5000	Dol with good Sand stringer	

FROM— TO— TOTAL FEET FORMATION

(OVER)

16—48094-4

FORMATION RECORD—Continued

FOLD | MARK

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.