

Form 9-330

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Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.U. S. LAND OFFICE **New Mexico**SERIAL NUMBER **L C 063622**

LEASE OR PERMIT TO PROSPECT

SEP 6 1960

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

SEP 7 1960

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Southwestern, Inc.** Address **Box 1116, Lovington, New Mexico**
Lessor or Tract **Tennessee Gas & Oil** Field **North Hackberry** State **New Mexico**
Well No. **2** Sec. **29** T. **19S** R. **31E** Meridian **NMPM** County **Eddy**
Location **660** ft. **N** of **N** Line and **660** ft. **E** of **E** Line of **Sec. 29** Elevation **3489**
(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.

Date **August 29, 1960**Signed **T. J. Hollis** Title **President**

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

Commenced drilling **July 28**, 19**60** Finished drilling **August 11**, 19**60**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2158** to **2174** 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 **460** to **475** 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
							From—	To—	
8 5/8 287	83d.	used	758	Halliburton	No				Shut off
5 1/2 2187	8 31	1 STAC	2187	Larkin	No	2158	2174	612	String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8 758		50 sx.	Halliburton	10 lb.	20 sx.
5 1/2 2187		200 sx.	Halliburton	10 lb.	50 sx.

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 _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from **0** feet to **2187** feet, and from _____ feet to _____ feet

DATES

Put to producing **July 28**, 19**60** **August 22**, 19**60**

The production for the first 24 hours was **45** barrels of fluid of which **100**% was oil; _____%
emulsion; **6**% water; and _____% sediment. Gravity, °Bé. **30**

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

W.R. High, Driller **B.W. Nester**, Driller**Harvey A. Simpson**, Driller **Charles Lamb**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	40	40	Sand
40	425	385	Red Rock
425	480	55	Lime & anhydrite
480	485	5	Sandy Shale
485	560	75	Lime & anhydrite
560	635	75	Red Shale & anhydrite
635	705	70	Red rock and anhydrite
705	730	25	Shale & Salt
730	1945	1215	Salt
1945	1980	35	Anhydrite
1980	2155	175	Interbedded lime and anhydrite
2155	2187	32	Sand

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
100	100	0	Gravelly sand, yellowish, medium to coarse, with small pebbles of quartz and chert, some of which are rounded. The sand is well sorted and the pebbles are well rounded. The matrix is a fine to medium sand.
90	100	10	Gravelly sand, yellowish, medium to coarse, with small pebbles of quartz and chert, some of which are rounded. The sand is well sorted and the pebbles are well rounded. The matrix is a fine to medium sand.
80	100	20	Gravelly sand, yellowish, medium to coarse, with small pebbles of quartz and chert, some of which are rounded. The sand is well sorted and the pebbles are well rounded. The matrix is a fine to medium sand.
70	100	30	Gravelly sand, yellowish, medium to coarse, with small pebbles of quartz and chert, some of which are rounded. The sand is well sorted and the pebbles are well rounded. The matrix is a fine to medium sand.
60	100	40	Gravelly sand, yellowish, medium to coarse, with small pebbles of quartz and chert, some of which are rounded. The sand is well sorted and the pebbles are well rounded. The matrix is a fine to medium sand.
50	100	50	Gravelly sand, yellowish, medium to coarse, with small pebbles of quartz and chert, some of which are rounded. The sand is well sorted and the pebbles are well rounded. The matrix is a fine to medium sand.
40	100	60	Gravelly sand, yellowish, medium to coarse, with small pebbles of quartz and chert, some of which are rounded. The sand is well sorted and the pebbles are well rounded. The matrix is a fine to medium sand.
30	100	70	Gravelly sand, yellowish, medium to coarse, with small pebbles of quartz and chert, some of which are rounded. The sand is well sorted and the pebbles are well rounded. The matrix is a fine to medium sand.
20	100	80	Gravelly sand, yellowish, medium to coarse, with small pebbles of quartz and chert, some of which are rounded. The sand is well sorted and the pebbles are well rounded. The matrix is a fine to medium sand.
10	100	90	Gravelly sand, yellowish, medium to coarse, with small pebbles of quartz and chert, some of which are rounded. The sand is well sorted and the pebbles are well rounded. The matrix is a fine to medium sand.
0	100	100	Gravelly sand, yellowish, medium to coarse, with small pebbles of quartz and chert, some of which are rounded. The sand is well sorted and the pebbles are well rounded. The matrix is a fine to medium sand.

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.