RECEIVED

NOV 14 1960

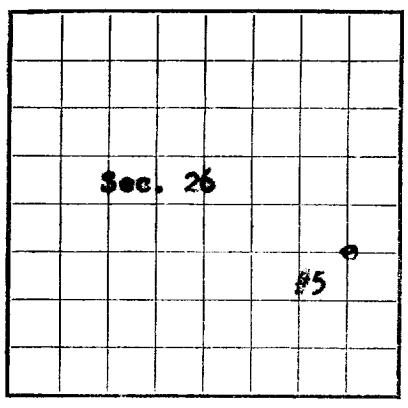
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

N. M. O. C. C. COPY

Form 9-330

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

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029418 (b)
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
DEC 19 1960
O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

Company Skelly Oil Company Address Box 38 - Hobbs, New Mexico

Lessor or Tract Lea "D" Field Grayburg Jackson State New Mexico

Well No. 5 Sec. 26 T. 17S R. 31E Meridian N.M.P.M. County Eddy

Location 1980 ft. {N.} of S Line and 660 ft. {E.} of E Line of Sec. 26 Elevation 3844' DF
(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

Date November 9, 1960 Title Dist. Supt.

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

Commenced drilling Sept. 17, 1960 Finished drilling Oct. 22, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2467' to 2598' No. 4, from 3813' to 3951'

No. 2, from 3593' to 3739' No. 5, from to

No. 3, from 3750' to 3793' 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-R	[illegible]	978'	Float	-	-	-	Surface
5-1/2"	15.5#	8-R	[illegible]	3807'	Float				Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	978'	125	Halliburton	-	--
5-1/2"	3811'	395	"	-	--

MARK

FOLD

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 3951 feet, and from feet to feet

DATES

, 19 Put to producing October 28, 1960

The production for the first 24 hours was 423 barrels of fluid of which 99.9% was oil; %

emulsion; % water; and .1 % 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

Rinehart, Driller Wood, Driller

Gentry, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	686	686	Sand & red beds
686	894	208	Anhydrite
894	1862	968	Salt
1862	2026	164	Anhydrite
2026	2426	400	Sand & anhydrite
2426	3052	626	Dolomite, anhydrite & sand
3052	3220	168	Sand & anhydrite
3220	3432	212	Sand
3432	3750	318	Dolomite & sand
3750	3806	56	Sand
3806	3951	145	Dolomite
	3951	Total Depth	

GEOLOGICAL TOPS BY MCCULLOUGH GAMMA RAY NEUTRON LOG:

Top Anhydrite	686'
Top Salt	894'
Base Salt	1862'
Top Yates	2026'
Top Seven Rivers	2426'
Top Queen	3052'
Top Penrose	3220'
Top Grayburg	3432'
Top Premier	3750'
Top San Andres	3806'

[OVER]

16—43094-4

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.

TREATMENT NO. 1 - (Sand-Oil) - 3811-3951'

Ran 122 jts. of 2" tubing to 3794'. Loaded hole with 125 bbls. oil. Spotted 500 gals. 15% reg. acid in open hole 3811-3951'. Broke formation down at 3850# breaking back to 3700#. Fractured open hole section 3811-3951' down 5-1/2" OD casing with 1500 bbls. lsae. oil, 60,000# 20/40 sand and 1450# adomite by Dowell, Inc. Started treatment with sand mixed 1/4# per gal. oil and gradually increased sand to 1-3/4# per gal. Max. pressure 3850#, Min. pressure 3650#. Max. inj. rate 29 bbls. per min. Min. inj. rate 29 bbls. per min. Flushed with 145 bbls. oil. Time of treatment 59 mins. Shut down pressure 2300#, dropped to 1900# in 10 mins.

After recovering all load oil well flowed 423 bbls. oil in 24 hrs. through 40/64" choke, T.P. 100#, C.P. 400#

RECEIVED
DEC 1 0 1960
GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
UNITED STATES