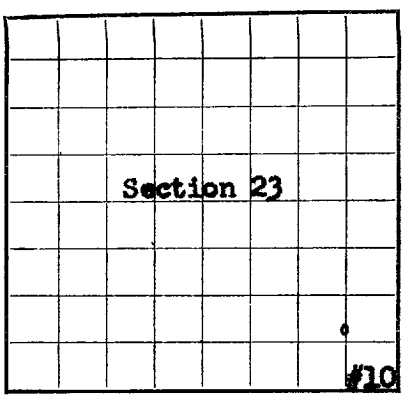
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

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



LOCATE WELL CORRECTLY

UNITED STATES RECEIVED
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY JUL 25 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 "B" Field Grayburg-Jackson State New Mexico
Well No. 10 Sec. 23 T. 17S R. 31E Meridian N.M.P.M. County Eddy
Location 810 ft. [N.] of S Line and 660 ft. [E.] of E Line of Section 23 Elevation 3871' 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 July 20, 1960 Title Dist. Supt.

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

Commenced drilling June 3, 1960 Finished drilling July 2, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2450' to 2470' No. 4, from 3632' to 3740'
No. 2, from 3400' to 3508' No. 5, from 3805' to 3840'
No. 3, from 3518' to 3615' 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]	799'	Float				Surface
5-1/2"	15.5#	8 R	[illegible]	3774'	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"	799'	100	Halliburton	—	—
5-1/2"	3784'	375	Halliburton	—	—

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 3840' feet, and from ____ feet to ____ feet

DATES

____, 19____ Put to producing July 13, 1960

The production for the first 24 hours was 128 barrels of fluid of which 99.9% was oil; ____% emulsion; ____% water; and .1% sediment.

Gravity, °Bé. 37.5

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 Thomas, Driller
____, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	548	548	Sand & red beds
548	740	192	Anhydrite
740	1700	960	Salt
1700	1854	154	Anhydrite
1854	2225	371	Sand & Anhydrite
2225	2842	617	Dolomite, Anhydrite & sand
2842	3015	173	Sand & Anhydrite
3015	3228	213	Sand
3228	3518	290	Dolomite & sand
3518	3620	102	Sand
3620	3840	220	Dolomite
	3840	TOTAL DEPTH	

GEOLOGICAL TOPS BY McCULLOUGH GAMMA RAY - NEUTRON LOG;

Top Anhydrite	548'
Top Salt	740'
Base Salt	1700'
Top Yates	1854'
Top Seven Rivers	2225'
Top Queen	2842'
Top Penrose	3015'
Top Grayburg	3228'
Top Premier	3518'
Top San Andres	3620'

FOLD | MARK

[OVER]

16—43094-4

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.

TREATMENT NO. 1 - (SAND - OIL) - 3784-3840':

Spotted 200 gals. Dowell 15% reg. acid in open hole 3784 - 3840'. Let acid soak 1 hr. & 12 mins. Loaded hole with oil & pressured up to 4000# with one pump truck and acid started feeding. Started up two more pump trucks & pressure built up to 5700# with Inj. rate of 12.8 bbls. per min. Fractured down 2-1/2" tubing through open hole 3784-3840' with 1375 bbls. lease oil, 60,000# 20/40 sand & 1100# Adomite by Dowell, Inc. Sand mixed 1/4# to 1# per gal oil. Max. pressure 5700# broke to 5600# at end of treatment. Max. inj. rate 13.7 bbls. per min. Time of treatment 2 hrs. & 19 mins. Flushed with 110 bbls. oil. Shut down pressure 2700#, 6 hrs. dropped to 1300#.
After recovery of load oil, well flowed 128 bbls. oil in 14 hrs, through 3/4" choke, T.P. 20#, C.P. 375#.