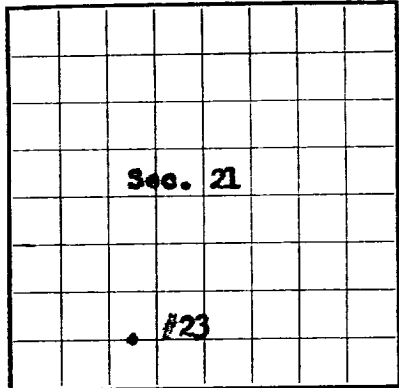


U. S. LAND OFFICE **New Mexico**
SERIAL NUMBER **029420 B**
LEASE OR PERMIT TO PROSPECT
JUL 17 1957



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
ARTESIA OFFICE

LOG OF OIL OR GAS WELL

Company **Skelly Oil Company** Address **Box 38 - Hobbs, New Mexico**
Lessor or Tract **H. M. Dow "B"** Field **Grayburg Jackson** State **New Mexico**
Well No. **23** Sec. **21** T. **17S** R. **31E** Meridian **N.M.P.M.** County **Eddy**
Location **660** ft. **N.** of **8** Line and **1650** ft. **E.** of **W.** Line of **Sec. 21** Elevation **3805'** **DP**
(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 *[Signature]*

Date **July 9, 1957** Title **Dist. Supt.**

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

Commenced drilling **May 13,** 19 **57** Finished drilling **June 23,** 19 **57**

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **3300'** to **3350'** 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		Purpose
							From—	To—	
8-5/8"	24	8	J-55	663	Float				Surface
7"	20	8	J-55	3286	"				Prod.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	663	150	Halliburton		
7"	3286	275	"		

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 **3350'** feet, and from _____ feet to _____ feet

DATES

July 9, 19 **57** Put to producing **July 1,** 19 **57**
The production for the first 24 hours was **634** barrels of fluid of which **100** % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. **37.4°**
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
Earl Bean _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	400	400	Red Bed
400	526	126	Anhy.
526	1478	952	Salt
1478	1638	160	Lime
1638	2004	366	Sand
2004	2605	601	Sand & lime
2605	2775	170	Sand & Lime
2775	3005	230	Sand & Anhy.
3005	3300	295	Sand
3300	3350	50	Sand

Geological Tops by Frontier's Electric Log

Top of Anhydrite at **400'**
Top of Salt at **526'**
Base of Salt at **1478'**
Top of Yates at **1638'**
Top of Seven Rivers at **2004'**
Top of Queens at **2605'**
Top of Penrose at **2775'**
Top of Grayburg at **3005'**
Top of Premier at **3300'**

FORMATION RECORD—Continued

[illegible]

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.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FACTORY INVENTORY 3286 - 3350

and 2" tubing to 3276'. broke formation down in open hole 3236 - 3350' with 50 bbls. oil at 2800'. Fractured down tubing with 20,160 gals. lease oil mixed with 15,000' sand. started sandoil into formation mixed 1/2 lb. sand per gal. and gradually increased sand to 1-1/2 lbs. per gal. at end of treatment. Max. pressure 1800' broke to 1500', average inj. rate 36.8 bbls. per min., time of treatment 19 hrs. shutdown pressure 1150', well shutin 15-1/2 hrs. and pressure dropped to 400'.

1. The first part of the document is a letter from the author to the editor, dated 1954. The letter discusses the author's work on the theory of the structure of the atom, and mentions the author's interest in the problem of the structure of the atom. The letter is signed by the author, and is dated 1954.

DATE: 240 810 110 310 200

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

[illegible]