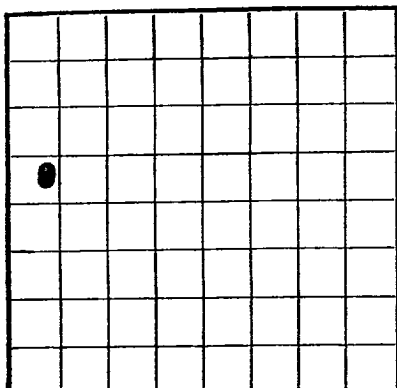


U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **IN 05020**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

RECEIVED

JUL 25 1961

UNITED STATES

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICODEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
JUL 26 1961U. S. G.
ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELL

Company **Harvey E. Yates** Address **320 Carper Bldg., Artesia, N. Mex.**
Lessor or Tract **Federal** Field **North Hackberry Dates New Mexico**
Well No. **3-A** Sec. **29** T. **19S** R. **31E** Meridian **NMPH** County **Elddy**
Location **2310** ft. **N.** of **N** Line and **330** ft. **E.** of **W** Line of **Sec. 29-19S-31E** Elevation **3468**
(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

*James D. Monroe*Date **July 25, 1961**Title **Gen. Supt.**

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

Commenced drilling **June 14, 1961** Finished drilling **July 7, 1961**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2090** to **2115** No. 4, from _____ to _____
No. 2, from **2160** to **2180** No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **485** to **500** 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—	
7" OD 20		8 rd	used	680	Reg				
HISTORICAL RECORD OF OIL OR GAS WELLS									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7" OD	680	50 sacks	Denton pump		Circulated

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 **2313** feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% 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

T. H. Jacobs _____, Driller **Bill Garner** _____, Driller
M. H. Crabb _____, Driller **Ray Burkhart** _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	10	10	Caliche
10	30	20	Sd & RR
30	110	80	" "
110	195	85	Shale
195	280	85	Anhy
280	410	130	"
410 410	300 485	75	Gray lime & Anhy
485	500	15	Sand
500	595	95	Anhy
595	650	55	Anhy & Shale
650	1890	1240	Salt
1890	2090	200	Anhy & Lime
2090	2115	25	Sand
2115	2160	45	Lime & Broken Anhy
2160	2180	20	Sand
2180	2313 T. D.	133	Sandy Lime

FOLD MARK

