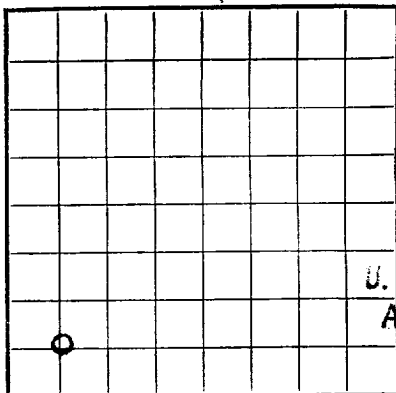


U. S. LAND OFFICE
SERIAL NUMBER **LC07139-B**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

RECEIVED
MAR 21 1962
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICOUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
MAR 22 1962
O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

Company **Castle and Wigzell** Address **F. O. Box 868, Midland, Texas**
Lessor or Tract **Northern Natural Federal** Field **WC** State **New Mexico**
Well No. **1** Sec. **31** T. **20R.25E** Meridian **NMPM** County **Eddy**
Location **660** ft. **[N.]** of **S** Line and **660** ft. **[E.]** of **W** Line of **Sec. 31** Elevation **3672** GL
(Derriek 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 **3-12-62** Signed **J. D. Castle** Title **Partner**

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

Commenced drilling **10-31,** 19 **61** Finished drilling **3-8**, 19 **62**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ 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—	
10-3/4	40	8	SH	465	Top Hat	465			Water Shut off
8-5/8	32	8	SH	810	8 1/2	810			Surface
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	465		Mud		10 sacks
8-5/8	810		Mud		10 sacks

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 **1592** feet to **2616** feet, and from _____ feet to _____ feet
Cable tools were used from **0** feet to **1592** feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing **F & A 3-8-62**, 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

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	200	200	Anhydrite, sand
200	750	550	Sand, dolomite
750	2400	1650	Dolomite, some chert
2400	2616 T. D.	216	Sand, dolomite
			GammaRay-Neutron Tops
			San Andres 755'
			Glorieta 2404'

