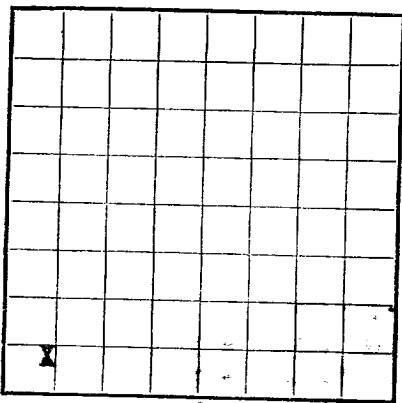




LOCATE WELL CORRECTLY

RECEIVED
MAY 24 1960U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

U. S. LAND OFFICE Fed. LC 070936

SERIAL NUMBER

LEASE PERMIT TO PROSPECT UNITIZEDUNITED STATES
DEPARTMENT OF THE INTERIOR
MAY 25 1960GEOLOGICAL SURVEY D. O. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

Company Humula Oil & Refining Company Address Box 2140, Houston, Texas
Lessor or Tract Abc Chalk Bluff Draw Field Empire Abc State New Mexico
Well No. 7 Sec. 9 T. 18S R. 27E Meridian 10N County Sady
Location 330 ft. N. of 5 Line and 990 ft. E. of 1 Line of Section 9 Elevation 3524
(Derrick floor relative to base of well)

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 May 20, 1960 Title Agent
The summary on this page is for the condition of the well at above date.

Commenced drilling April 18, 1960 Finished drilling May 10, 1960
OIL OR GAS SANDS OR ZONES: May 15, 1960
(Denote gas by G)

No. 1, from 5258 to 5768 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—	
<u>4-1/2"</u>	<u>24.5</u>	<u>8</u>	<u>Black</u>	<u>5755</u>	<u>100</u>	<u>5755</u>	<u>5630</u>	<u>5656</u>	<u>Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>4-1/2"</u>	<u>1519</u>	<u>750</u>	<u>Wasp & Lug</u>	<u> </u>	<u> </u>
<u>4-1/2"</u>	<u>5768</u>	<u>1050</u>	<u>"</u>	<u> </u>	<u> </u>

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 Surface feet to 5768 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

May 20, 1960 Put to producing May 15, 1960
The production for the first 24 hours was 70 barrels of fluid of which 100% was oil; %
emulsion; % water; and % sediment. Gravity, °Bé. 44.0
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

Ed Connelly, Driller Joe Henry, Driller
A. O. Blackledge, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	439	439	Redbeds & Anhydrite
439	544	105	Redbed, anhydrite & Gyp
544	726	182	Anhydrite
726	847	121	Anhydrite & Gyp
847	1025	178	Anhydrite, Gyp & Redbeds
1025	1215	190	Anhydrite
1215	1268	53	Anhydrite & Lime
1268	1336	68	Anhydrite, Gyp & Lime
1336	1515	179	Anhydrite & Lime
1515	4248	2733	Lime
4248	4476	228	Dolomite & Lime
4476	4602	126	Dolomite & Chert
4602	4720	118	Dolomite & Lime
4720	4878	158	Dolomite
4878	5120	242	Dolomite & Lime
5120	5148	28	Green Shale, Anhydrite & Lime
5148	5190	42	Shale
5190	5243	53	Lime & Dolomite
5243	5296	53	Shale, Anhydrite & Lime
5296	5345	49	Lime
5345	5422	37	Dolomite
5422	5550	128	Lime & Dolomite

LOG OF OIL OR GAS WELL

- (Name of well)
1 - State Engineer, Newell
1 - Owner, Newell
2 - Owner, Artesia
1 - District File
1 - Midland
1 - Houston
1 - Newell, Hobbs
1 - Newell, Artesia

Distribution: Oil & Gas, Artesia
On potential test, well flowed 70 barrels oil in 14 hours on 10/64" choke with log pressure 50.0.
Washed well dry. Acidized perforation with 6000 gallons 15% acid with injection rate 5 gpm. Washed & well started flowing.
Perforations made on 5/19/60 to 5/20/60 with 2 hours was 1000' (Relax)
with caustic soda. Finished bailing.
From surface, set 52.9' log at 1000' with 50 sacks of cement. Top of cement by temperature survey 900'.
hole at 2290'. Stage cemented with 200 sacks 12-1/2" casing with one 5" survey found top case at 2290'. Perforated (Relax) 4-1/2" casing with one 5" set 5756' 1/2" casing at 5746' with 300 sacks cement with 12% gel. Temperature electric logs.
Total depth of 570'. Finished bailing at 1015' on April 10, 1960. an
artificial with water from surface casing to 5760', then mudged up and drilled to
at 1519' with 750 sacks regular neat cement, cement, did not circulate.
included 11" hole at 2130' p. April 1960. 2290' of 5-5/8" casing set
The well was drilled to a total depth of 5760' with completion depth of 5720'

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
			FORMATION RECORD
			PERFORATION
			TOOL LOG
			STAGE CEMENT
			SEALS AND VALVES
			ADDITIONAL COMMENTS

San Andres
Glorieta-Yeso
1512
2965
5258