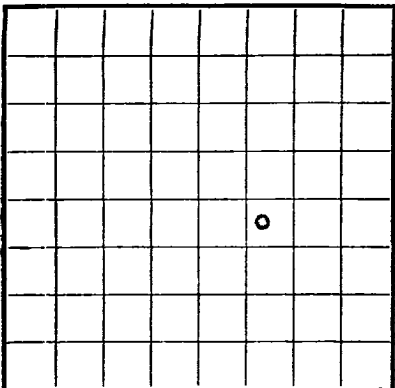


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER MM 04385
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Great Western Drilling Company Address Box 1659, Midland, Texas
Lessor or Tract Federal-Hinkle Field Caprock Queen State New Mexico
Well No. 3 Sec. 27 T. 13S R. 31E Meridian NMPN County Chaves
Location 2310 ft. N. of 8 Line and 1650 ft. W. of E Line of Sec. 27 Elevation 4416.5'
(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 H. B. Wilson

Date November 25, 1955 Title Chief Petroleum Engineer

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

Commenced drilling November 13, 1955 Finished drilling November 22, 1955

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

No. 1, from 3022' to 3028 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 None to None No. 3, from _____ to _____
No. 2, from Caprock Queen to Caprock Queen 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 1/2	8	Mat'l	282'	Guide	-	-	-	Surface
5 1/2"	14 1/2	8	Mat'l	100'	Plug	-	-	-	Plug
Hole open 0 to 282' and 100' to 3028'									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	282'	200	Pump & Plug	-	-
5 1/2"	3020'	100	Pump & Plug	-	-

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
Not treated.						

TOOLS USED

Rotary tools were used from 0 feet to 3022 feet, and from _____ feet to _____ feet
Cable tools were used from 3022 feet to 3028 feet, and from _____ feet to _____ feet

DATES

November 25, 1955 Put to producing November 23, 1955

The production for the first 24 hours was 332 barrels of fluid of which 100% was oil; 0%
emulsion; 0% water; and 0% sediment. Gravity, °Bé. 35

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

H. P. Boyd, Driller Tommie Moore, Driller
Jack Gwian, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	280	280	Surface Sand & Caliche
200	1440		Red Beds, Shale
1440	1550		Anhydrite & Shale
1550	2170		Salt, Anhydrite
2170	2280		Shale, Anhydrite
2280	2390		Sand, Shale
2390	3022		Sand, Shale, Lime Stringers
3022	3028		Sand
FORMATION TOPS			
			Top Anhydrite 1440'
			Top Salt 1550'
			Base Salt 2170'
			Top Yates 2280'
			Top Seven Rivers 2390'
			Top Queen 3022'

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
3000	2900	100	Top of sand
2900	2800	100	Top of sand
2800	2700	100	Top of sand
2700	2600	100	Top of sand
2600	2500	100	Top of sand
2500	2400	100	Top of sand
2400	2300	100	Top of sand
2300	2200	100	Top of sand
2200	2100	100	Top of sand
2100	2000	100	Top of sand
2000	1900	100	Top of sand
1900	1800	100	Top of sand
1800	1700	100	Top of sand
1700	1600	100	Top of sand
1600	1500	100	Top of sand
1500	1400	100	Top of sand
1400	1300	100	Top of sand
1300	1200	100	Top of sand
1200	1100	100	Top of sand
1100	1000	100	Top of sand
1000	900	100	Top of sand
900	800	100	Top of sand
800	700	100	Top of sand
700	600	100	Top of sand
600	500	100	Top of sand
500	400	100	Top of sand
400	300	100	Top of sand
300	200	100	Top of sand
200	100	100	Top of sand
100	0	100	Top of sand

EMPLOYEES

NAME	POSITION
Driller	Driller
Driller	Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3000	2900	100	Top of sand
2900	2800	100	Top of sand
2800	2700	100	Top of sand
2700	2600	100	Top of sand
2600	2500	100	Top of sand
2500	2400	100	Top of sand
2400	2300	100	Top of sand
2300	2200	100	Top of sand
2200	2100	100	Top of sand
2100	2000	100	Top of sand
2000	1900	100	Top of sand
1900	1800	100	Top of sand
1800	1700	100	Top of sand
1700	1600	100	Top of sand
1600	1500	100	Top of sand
1500	1400	100	Top of sand
1400	1300	100	Top of sand
1300	1200	100	Top of sand
1200	1100	100	Top of sand
1100	1000	100	Top of sand
1000	900	100	Top of sand
900	800	100	Top of sand
800	700	100	Top of sand
700	600	100	Top of sand
600	500	100	Top of sand
500	400	100	Top of sand
400	300	100	Top of sand
300	200	100	Top of sand
200	100	100	Top of sand
100	0	100	Top of sand

FORMATION TOPT

Top of sand	3000
Top of sand	2900
Top of sand	2800
Top of sand	2700
Top of sand	2600
Top of sand	2500
Top of sand	2400
Top of sand	2300
Top of sand	2200
Top of sand	2100
Top of sand	2000
Top of sand	1900
Top of sand	1800
Top of sand	1700
Top of sand	1600
Top of sand	1500
Top of sand	1400
Top of sand	1300
Top of sand	1200
Top of sand	1100
Top of sand	1000
Top of sand	900
Top of sand	800
Top of sand	700
Top of sand	600
Top of sand	500
Top of sand	400
Top of sand	300
Top of sand	200
Top of sand	100
Top of sand	0

TOOLS USED

TOOL	DATE	QUANTITY	REMARKS
Shovel	1900	1	Used for digging
Shovel	1900	1	Used for digging

SHOOTING RECORD

DATE	TIME	QUANTITY	REMARKS
1900	10:00	1	Shot fired
1900	10:00	1	Shot fired

PLUGS AND ADAPTERS

PLUG	ADAPTER	REMARKS
1900	10:00	Shot fired
1900	10:00	Shot fired

MUDGING AND CEMENTING RECORD

DATE	TIME	QUANTITY	REMARKS
1900	10:00	1	Shot fired
1900	10:00	1	Shot fired

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 dynamites. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

CASING RECORD

DATE	TIME	QUANTITY	REMARKS
1900	10:00	1	Shot fired
1900	10:00	1	Shot fired

Cable tools drilled 6 feet of pay formation and

DATE	TIME	QUANTITY	REMARKS
1900	10:00	1	Shot fired
1900	10:00	1	Shot fired

IMPORTANT WATER SANDS

DATE	TIME	QUANTITY	REMARKS
1900	10:00	1	Shot fired
1900	10:00	1	Shot fired

OIL OR GAS SANDS OR ZONES

DATE	TIME	QUANTITY	REMARKS
1900	10:00	1	Shot fired
1900	10:00	1	Shot fired

Commenced drilling on this date for the condition of the well at above date.

Date of completion of work.

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.

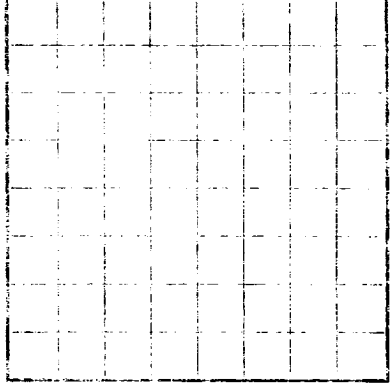
Location of well, line and angle of dip, and elevation of top of well.

Well No. 1, T. 12 N., R. 12 E., S. 12 E., Meridian, County, State.

Owner or Tract, Field, and State.

Company, Street, and Address.

LOCATE WELL CORRECTLY



LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON, D. C.

Form 3-330