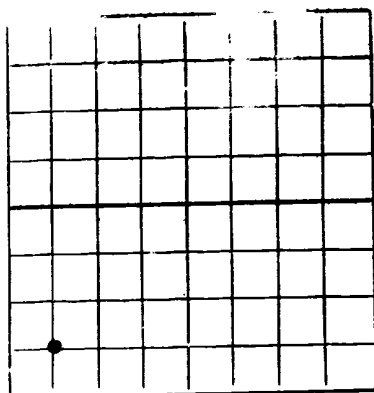




AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

DUPLICATE

WELL RECORD

1955 MAY 23 PM 3:14

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

Jake L. Hamon & Warren Petroleum Corporation (Company or Operator) D.F. Willhoit (Lease)

Well No. 2, in SW 1/4 of SW 1/4, of Sec. 18, T. 17S, R. 39E, NMPM.

South Knowles Devonian Field Pool, Lea County.

Well is 660' feet from South line and 660' feet from West line

of Section 18. If State Land the Oil and Gas Lease No. is

Drilling Commenced February 23, 1956 Drilling was Completed May 17, 1956

Name of Drilling Contractor Gorree Drilling Company

Address 2807 Mercantile Bank Bldg. Dallas, Texas

Elevation above sea level at Top of Tubing Head 3672' The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from None to No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from None to feet.
No. 2, from to feet.
No. 3, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13-3/8	48	New	326.27	Baker	None	None	Surface
9-5/8	36 & 40	New	5000.50'	Baker	None	None	Intermediate

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/8	13-3/8	326.27	340	Pump & Plug		
12-1/4	9-5/8	5000.50	2800	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

None

Result of Production Stimulation

Depth Cleaned Out

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 12,316 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing Temp. Abandoned, 19

OIL WELL: The production during the first 24 hours was NO barrels of liquid of which 0 % was oil; % was emulsion; % water; and % was sediment. A.P.I. Gravity.

GAS WELL: The production during the first 24 hours was None M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

Northwestern New Mexico

T. Anhy. 2340	T. Devonian. 12,043	T. Ojo Alamo.
T. Salt. 2500	T. Silurian.	T. Kirtland-Fruitland.
B. Salt. 3490	T. Montoya.	T. Farmington.
T. Yates. 3560	T. Simpson.	T. Pictured Cliffs.
T. 7 Rivers.	T. McKee.	T. Menefee.
T. Queen.	T. Ellenburger.	T. Point Lookout.
T. Grayburg. 4720	T. Gr. Wash.	T. Mancos.
T. San Andres. 5390	T. Granite.	T. Dakota.
T. Glorieta.	T.	T. Morrison.
T. Drinkard.	T.	T. Penn.
T. Tubbs. 8365	T.	T.
T. Abo.	T.	T.
T. Penn.	T.	T.
T. Miss. 11197	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	2340	2340	Red beds				
2340	4720	2380	Anhydrite & Salt				
4720	5390	670	Dolomite & Anhydrite				
5390	8365	2975	Dolomite & Shale				
8365	11197	2832	Lime, shale & Dolomite				
11197	12043	846	Lime, chert & shale				
12043	12316	268	Dolomite & Lime				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Company or Operator **Jake L. Hamon & Warren Petroleum Corp.** Address **102 Western Bldg. Midland, Texas**
Name **J. L. Hamon** Position or Title **Chief Clerk**
(Date) **5-22-56**

WILLHOIT NO. 2

CORE & DRILL STEM TEST

RECORD

Core #1, 12,040'-12,090', recovered 48' being:

12,040'-12,044'	Gray medium crystalline to coarse crystalline limestone, barren
12,044'-12,045'	Gray crystalline coarse dolomite, scattered vugs, stain & fluorescence
12,045'-12,047'	As above, 1 vertical fracture, good stain and fluorescence
12,047'-12,048½'	White crystalline dolomite, scattered vugular, scattered stain & fluorescence, tight
12,048½'-12,051'	Tan crystalline dolomite, green shale inclusions, barren
12,051'-12,055'	Light tan lithographic limestone, fractures filled w/green shale
12,055'-12,060'	Brown lithographic limestone
12,060'-12,070'	Tan lithographic limestone, green shale inclusions
12,070'-12,075'	Tan lithographic limestone, 1/4" green shale partings
12,075'-12,080'	Light tan crypto crystalline limestone, barren
12,080'-12,085'	Brown fine crystalline limestone, barren
12,085'-12,088'	Brown lithographic limestone, barren
12,088'-12,090'	No recovery

Core #2, 12,090'-12,131', recovered 40' being:

12,090'-12,101½'	Tan limestone very fine crystalline stylolitic fractures filled w/shale, barren
12,101½'-12,103'	As above, heavily bleeding oil, scattered vugs
12,103'-12,106½'	Brown fine crystalline limestone, barren
12,106½'-12,108'	Green shale
12,108'-12,130'	Tan limestone, stylolitic fractures, few vertical fractures, barren

Core #3, 12,131'-12,181', recovered 49' being:

12,131'-12,144½'	Tan fine crystalline limestone green shale inclusions, tight fractures, NS
12,144½'-12,145'	White medium crystalline limestone, vugular porosity, good stain & fluorescence, non-effective
12,145'-12,145½'	White coarse crystalline dolomite, vugular porosity, good stain & fluorescence, effective
12,145½'-12,159½'	Light tan fine crystalline limestone, barren
12,159½'-12,160'	White crystalline dolomite, barren
12,160'-12,163'	White coarse crystalline dolomite, scattered medium vugs, good stain & fluorescence, effective
12,163'-12,164'	As above, scattered vugs, not effective
12,164'-12,165'	As above, scattered vugs, effective
12,165'-12,166'	As above, scattered vugs, not effective
12,166'-12,169½'	Gray crystalline dolomite, tight fractures, no porosity

WILLHOIT NO. 2

CORE & DRILL STEM TEST RECORD

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Core #3, 12,131'-12,181', cont'd.

12,169½'-12,171'	White crystalline dolomite, scattered vugs, effective
12,171'-12,172½'	Brown crystalline dolomite, barren
12,172½'-12,173½'	White medium crystalline dolomite, medium vugular porosity, effective
12,173½'-12,180'	White crystalline dolomite, barren

DST #1, 12,131'-12,181'

5/8" x 1" chokes, no water blanket, 8 hour test, gas to surface in 4 hours and 55 minutes, recovered 60' oil, 360' mud cut oil, 30' heavily oil and gas cut mud, IFP 0#, FFP 140#, SIP 3875#/30 minutes, Hydro in 5750#, Hydro out 5675#

Core #4, 12,181'-12,198', recovered 13 1/2' being:

12,181'-12,182½'	White crystalline dolomite, scattered vugular good stain and fluorescence, not effective
12,182½'-12,184'	As above, scattered medium vugular, good stain and fluorescence, effective
12,184'-12,187'	As above, scattered inter-crystalline & vugs good stain and fluorescence, effective
12,187'-12,188'	White crystalline dolomite, barren
12,188'-12,189½'	As above, scattered vugular, scattered vein porosity, good stain and fluorescence, effective
12,189½'-12,190'	As above, good vugs, effective
12,190'-12,191'	Gray crystalline dolomite, barren
12,191'-12,192'	White crystalline dolomite, good vugs, good stain and fluorescence, effective
12,192'-12,194'	Brown crystalline dolomite, barren
12,194'-12,194½'	White crystalline dolomite, scattered vugs, good stain scattered fluorescence, non-effective

DST #2, 12,180'-12,198'

5/8" x 1" chokes, no water blanket, open 6 hours, gas to surface 1 hour and 55 minutes, recovered 450' oil, 120' highly oil and gas cut mud, IFP 150#, FFP 175#, SIP 4925#/30 minutes.

Core #5, 12,198'-12,215', recovered 17' being:

12,198'-12,200'	White crystalline dolomite, gilsonite in vugs scattered medium vugular porosity, good stain & fluorescence, effective
12,200'-12,204'	White crystalline to medium crystalline dolomite, gilsonite in vugs, scattered vugs, good stain & fluorescence, non-effective
12,204'-12,205'	As above, medium vugular porosity, good stain, scattered fluorescence, effective
12,205'-12,207'	White medium crystalline dolomite, gilsonite in vugs, scattered vugs, good stain & fluorescence, non-effective
12,207'-12,209'	White crystalline dolomite, vertical fractures scattered vugular, good stain & fluorescence, effective
12,209'-12,211'	Tan crystalline dolomite, tight vertical fractures, non-effective

WILLHOIT NO. 2

CORE & DRILL STEM TEST RECORD

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Core #5, 12,198'-12,215', cont'd.

12,111'-12,113 $\frac{1}{2}$ '	White crystalline dolomite gilsonite in vugs, good vertical fractures, scattered good vugs, good stain & fluorescence, effective
12,113 $\frac{1}{2}$ '-12,115'	White crystalline (Medium) dolomite, good vertical fractures, good vugs, good stain & fluorescence, effective

DST #3, 12,197'-12,215'

5/8" x 1" chokes, open 8 hours, gas in 44 minutes, reversed out 18 1/2 bbls oil, 2 1/2 bbls salty sulphur water, recovered below sub 420' salty sulphur water, 30' salt water out mud, IFP 75#, FFP 750#, SIP 4620#/30 minutes, Hydro in 5600#, Hydro out 5475#

Core #6, 12,215'-12,224', recovered 9' being:

12,215'-12,217 $\frac{1}{2}$ '	White crystalline dolomite, barren
12,217 $\frac{1}{2}$ '-12,218 $\frac{1}{2}$ '	White crystalline dolomite, vertical fractures w/gilsonite, NS
12,218 $\frac{1}{2}$ '-12,220'	Gray crystalline dolomite, green shale inclusions, scattered vugs, NS
12,220'-12,222 $\frac{1}{2}$ '	White medium crystalline dolomite, gilsonite in vugs, good vugular porosity
12,222 $\frac{1}{2}$ '-12,224'	Light gray crystalline dolomite fractures, gilsonite in fractures, NS

Core #7, 12,224'-12,238', recovered 14' being:

12,224'-12,228'	White gray crystalline dolomite, vertical fractures, good scattered vugular porosity
12,228'-12,229'	White medium crystalline to coarse crystalline, good vugs, bleeding salt water
12,229'-12,231'	As above, fractured w/gilsonite in fractures, 5% anhydrite inclusions & mica around vugs, scattered good vugs bleeding salt water
12,231'-12,232 $\frac{1}{2}$ '	White crystalline dolomite fractures
12,232 $\frac{1}{2}$ '-12,235'	As above, medium to good vugs, bleeding salt water
12,235'-12,236'	As above, fractures 5% anhydrite inclusions, w/gilsonite, medium vugular porosity
12,236'-12,238'	White crystalline dolomite, good vugs w/gilsonite bleeding salt water

Core #8, 12,238'-12,258', recovered 19' being:

12,238'-12,239 $\frac{1}{2}$ '	White crystalline dolomite, w/gilsonite, medium vugs
12,239 $\frac{1}{2}$ '-12,241'	Gray crystalline dolomite, tight fractures
12,241'-12,243'	As above, fractured scattered vugular porosity
12,243'-12,245'	White medium crystalline dolomite, good vugular porosity

WILLHOIT NO. 2

CORE & DRILL STEM TEST RECORD

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Core #8, 12,238'-12,258', cont'd.

12,245'-12,248'	As above, medium fractures
12,248'-12,252'	White crystalline dolomite, tight fractures, scattered vugular porosity
12,252'-12,253'	95% white crystalline dolomite, 5% anhydrite inclusions, scattered vugular porosity
12,253'-12,254'	Gray crystalline dolomite, fractured
12,254'-12,257'	Light gray medium crystalline dolomite, heavily fractured, scattered vugular porosity

Core #9, 12,258'-12,290', recovered 30' being:

12,258'-12,259'	Gray crystalline dolomite, scattered vugular porosity bleeding salt water, not effective
12,259'-12,259½'	As above, good vugular porosity, bleeding salt water, effective
12,259½'-12,265'	Light gray crystalline dolomite, vertical fractures, scattered porosity w/gilsonite
12,265'-12,267'	As above, scattered medium vugular porosity w/gilsonite, effective
12,267'-12,270'	White crystalline to medium crystalline anhydrite
12,270'-12,272'	80% crystalline dolomite, 20% crystalline anhydrite, scattered vugs
12,272'-12,273'	100% medium crystalline anhydrite
12,273'-12,274'	50% gray crystalline dolomite, 50% anhydrite
12,274'-12,275'	100% white crystalline anhydrite
12,275'-12,278'	50% gray crystalline dolomite, 50% anhydrite
12,278'-12,280'	100% white crystalline anhydrite
12,280'-12,281'	White crystalline dolomite, scattered medium vugs bleeding salt water
12,281'-12,282'	As above, scattered vugs w/salt water, not effective
12,282'-12,284'	Dolomite as above, scattered medium to good vugular porosity, bleeding salt water, effective
12,284'-12,286'	Gray crystalline dolomite, scattered vugs, not effective
12,286'-12,288'	White crystalline dolomite, scattered medium vugular porosity

Core #10, 12,290'-12,316', recovered 28' (2' from previous core)

12,288'-12,293'	Gray crystalline dolomite w/gilsonite slightly bleeding salt water, scattered vugular porosity fractured, not effective
12,293'-12,296½'	Gray crystalline dolomite, mica crystals, fractured, not effective
12,296½'-12,297½'	White crystalline dolomite, medium vugular porosity w/gilsonite, light stain, good fluorescence, effective
12,297½'-12,304'	Light gray crystalline dolomite fractured, scattered vugs, gilsonite in vugs, non-effective
12,304'-12,304½'	Dolomite as above, good vugular porosity, effective
12,304½'-12,316'	Light gray to brown crystalline dolomite, fractured, not effective