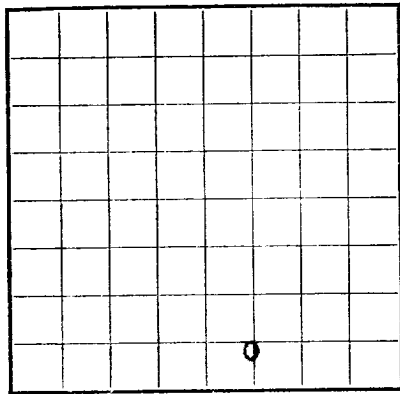


COPY J O. C. C.

Get Bureau No. 42-R355.4.
Renewal expires 12-31-60.U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NA-01917
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

NOTED
JUN 11 1962
HOBBS
STANDLEYUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JUN 11 1962

U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Curtis Hankamer Address 1422 Bank of Southwest Bldg., Houston, Texas
 Lessor or Tract Gulf-Federal-Hanagan Field Undesignated State New Mexico
 Well No. 2 Sec. 11 T. 24S R. 32E Meridian NMPM County Lea
 Location 660 ft. N. of S Line and 1980 ft. W. of E Line of Sec. 11 Elevation 3624.1
 (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.
 Date 6/7/62 Signed Phil C. Hankamer Title Engineer

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

Commenced drilling 5/12 Finished drilling 5/12, 1962

OIL OR GAS SANDS OR ZONES

No. 1, from 4945 to 5014 No. 4, from _____ to _____
 No. 2, from 4945 to 5014 No. 5, from _____ to _____
 No. 3, from 4945 to 5014 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 4945 to 5014 No. 3, from _____ to _____
 No. 2, from 4945 to 5014 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	28	8	319	319	Notched	4977	4977	4977	Surface Csg.
4 1/2	9.5	8	5038	5038	Notched	4977	4977	4977	Prod. Csg.
2"	4.6	8	4958	4958	Notched	4977	4977	4977	Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	319	125 sx 6% gel	Plug	9	
4 1/2	5038	50 ax neat	Plug	10	
		165 cf Pozmix	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

TOOLS USED

Rotary tools were used from 0 feet to 5046 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing 6/1, 1962
 The production for the first 24 hours was 40 barrels of fluid of which 30 % was oil; _____ %
 emulsion; 70 % 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

A. A. Barnett, Driller L. R. Rush, Driller
Henry D. Kee, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	316	316	Surface sand and gravel
316	650	334	Red Bed
650	1022	372	Red Bed and anhydrite
1022	1244	222	Anhydrite
1244	3420	2176	Salt and anhydrite
3420	4019	599	Anhydrite
4019	4663	644	Salt and anhydrite
4663	4819	156	Anhydrite
4819	4888	69	Anhydrite and Lime
4888	4942	54	Lime and shale
Cored from 4942 - 5004 (Copies attached).			
5004	5046	42	Sand
TD	5046		
Base of Lower Salt - 4650' Top Delaware Lime - 4892' Top Delaware Sand - 4924'			

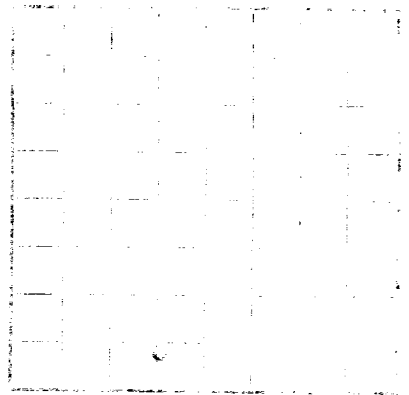
(OVER)

FORMATION RECORD—CONTINUED

HOBBES

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



Drilled to TD - 5046. Set 4 1/2" casing at 5030.
Notched casing @ 4971 w/ sand-jet.
Sand-fractured formation at 5030.
IMPOUNDING WATER SANDS

500 gals. 15% HCl
1000 gals. Notched Oil
10000' to 40 Sand.
No. 6 from _____ to _____
No. 6 from _____ to _____
No. 6 from _____ to _____

Skipped on well for 10 days. Notched small amount of fluid, approximately
70% salt water.
5/24/62 - Fractured formation w/ 500 gals. HCl 15% HCl.
Skipped well. Notched oil and salt water.
Well reported flowing is fractured zone at 5030.

12/64 choke IP-220#
40 pHs. oil/day
92 pHs. water/day

The engineer

CASTING RECORD

Location	Depth	Direction	Kind of shoe	Out and pulled from	From -	To -	Purposes
...	...	...	...	...	...	...	...

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of drilling, 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 slackened or left in the well, give its size and position. If the well has been dynamited, give date, size, position, and depth of shots. If pings or bridges were put in to test for water, state kind of material used, position, and results of pumping or palling.

U. S. GOVERNMENT PRINTING OFFICE 16-5095-2

HISTORY OF OIL OR GAS WELL

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