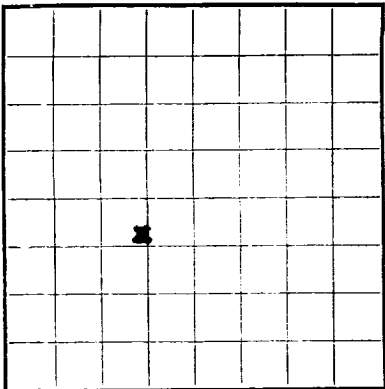


Form 9-330



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Humble Oil & Refining Company Address Box 2347, Hobbs, N.M.
Lessor or Tract Federal Bogle Field Square Lakes State New Mexico
Well No. 2 Sec. 30 T. 16S R. 30E Meridian - County Eddy
Location 1980 ft. N of S Line and 1980 ft. E of W Line of Section 30 Elevation 3720
(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 Nov 15 1957 Signed R. H. Plummer Title District Superintendent

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

Commenced drilling 11-4-57 Finished drilling 3-18-57, 1957

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

No. 1, from 295 to 295 No. 4, from 295 to 295
No. 2, from 295 to 295 No. 5, from 295 to 295
No. 3, from 295 to 295 No. 6, from 295 to 295

IMPORTANT WATER SANDS

No. 1, from 295 to 295 No. 3, from 295 to 295
No. 2, from 295 to 295 No. 4, from 295 to 295

CASING RECORD

Size casing	Weight per foot	Threads per foot	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
8-5/8	24	8		524.37	Baker			Surface
5 1/2	15.8	8		2907.42	Hunter			Oil

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	528	220	Red Service		
5 1/2	3909	155	Red Service		

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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 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
R. H. Plummer _____, Driller Roy Hill
J. R. Kimard _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	295	295	Red Bed
295	984	689	Anhyd, Salt & Shale
984	1965	981	Sand, Shale & Dolomite
1965	2390	425	Sand & Shale
2390	4007	1617	Dolomite & anhydrite

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
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3300	1800	1500	Reddish-brown sandstone, medium bedded, fossiliferous.
1800	1500	300	Dark gray sandstone, medium bedded, fossiliferous.
1500	1200	300	Dark gray sandstone, medium bedded, fossiliferous.
1200	900	300	Dark gray sandstone, medium bedded, fossiliferous.
900	600	300	Dark gray sandstone, medium bedded, fossiliferous.
600	300	300	Dark gray sandstone, medium bedded, fossiliferous.
300	0	300	Dark gray sandstone, medium bedded, fossiliferous.

FORMATION RECORD

Driller	Driller
Driller	Driller

EMPLOYEES

Rock pressure, lbs. per sq. in.	
It gas well, cu. ft. per 24 hours	
emulsion; % water; and % sediment	

The production for the first 24 hours was	
Put to producing	

DATES

Cable tools were used from	feet to
Rotary tools were used from	feet and from

TOOLS USED

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth desired
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SHOOTING RECORD

Adapters—Alarion	Size
Heaving plug—Alarion	Length

PLUGS AND ADAPTERS

Size	Number	Method used	Kind	Amount of mud used
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MUDGING AND CEMENTING RECORD

Size	Number	Method used	Kind	Amount of mud used
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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, position, and number of shots. If plugs or bridges were put in to test for gas, state kind of material used, position, and results of pumping or bailing.

1-27-27 Redrilled 1/2" casing from 3775 to 3786 with 4 bullets per foot, mudbed dry, no show. Redrilled with 1000 bullets mud through perforations from 3722 to 3786, and 3786 to 3786, 1/2" rate 2.5 bbls per min. Mudbed dry, no show or oil or gas.

1-27-27 Redrilled 1/2" casing from 3722 to 3786 with 20,000 gals red oil and 20,000 sand, avg 1/2 rate 20 bbls per min. Well flowed 193 bbls red oil in 58 hrs and died. Snubbed and cemented well for 20 days and well ceased to make any

2-5-27 Set CI bridge plug at 3692, 1/10" rate 100 bbls per min. Set CI bridge plug at 2932. Perforations 5/8" long from 2975 to 2982, 1/4 bullets per foot, mudbed dry. Perforations 5/8" long from 2975 to 2982, 1/4 bullets per foot, mudbed dry.

2-5-27 Perforations 5/8" long from 2975 to 2982, 1/4 bullets per foot, mudbed dry. Perforations 5/8" long from 2975 to 2982, 1/4 bullets per foot, mudbed dry.

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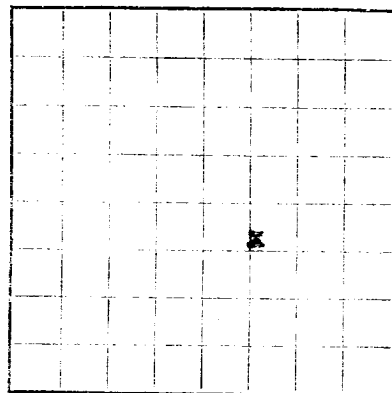
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LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

Leave on Permit to Prospect

Serial Number

U.S. Land Office

Approved

Inspected

U.S. Geological Survey

Form 9-330