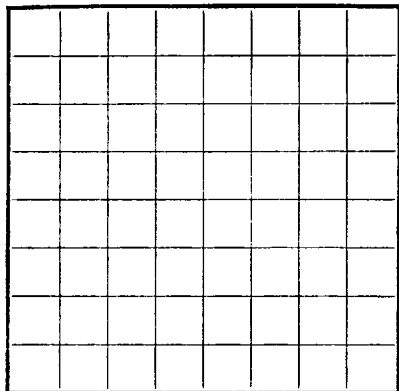




LOCATE WELL CORRECTLY

HOOBBS OFFICE O. C. C.

May 28 11 31 AM '68

U. S. LAND OFFICE LC
SERIAL NUMBER LC 068281-B
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company William F. Grauten Address Box 953, Midland, Texas
Lessor or Tract Russell-Federal Field E. Mason (Del) State New Mexico
Well No. 7 Sec. 20 T26 R. 32 Meridian MNPM County Lea
Location 1666 ft. [S.] of [N.] Line and 2339 ft. [E.] of [W.] Line of Sec. 20 Elevation 3162-68
(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 [Signature] Title Everett L. Smith, Agent

Date 5/24/68 Title Everett L. Smith, Agent

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

Commenced drilling 5/4/68, 19 Finished drilling 5/19/68, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4337 to 4342 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 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—	
7	23	10V	J-55	1517	Halliburton				surface
4 1/2	9.5	8Rd	J-55	4325	Larkin				oil string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7	1517	350	put in 6 bags		cement circulated
4 1/2	4325	100	"	9.5	hole full

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 4333 feet, and from feet to feet
Cable tools were used from 4333 feet to 4342 feet, and from feet to feet

DATES

, 19 Put to producing 5/21/68, 19

The production for the first 24 hours was 191 barrels of fluid of which 98% was oil; % emulsion; 2% water; and % sediment. Gravity, °Bé. 41

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
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1430	1430	Sand & Lime
1430	1650	220	Arny, Dol & Gravel
1650	2500	850	Arny, Shale & Salt
2500	4072	1572	Arny & Salt
4072	4083	11	
4083	4337	254	Shale & Chaly silt stone
4337	4342	5	Sand

All depths are from ground level. Well sand fraced with 2000 gal. lease crude & 1500# 20-40 mesh sand & 500# 10-20 mesh sand. Injection rate 4 1/2 bbl/min. through tubing. 15" shut-in 800#. Well fraced 7/10/68

COMPLETED IN OPEN HOLE 4325-4342 IN DELA. SD,

FROM—	TO—	TOTAL FEET	FORMATION
FORMATION RECORD—Continued			

16—48094-2 U. S. GOVERNMENT PRINTING OFFICE

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 shots. 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 of completion: _____
Casing size: _____
Casing material: _____
Casing weight: _____
Casing length: _____
Casing joint: _____
Casing connection: _____
Casing condition: _____
Casing location: _____
Casing notes: _____

DETAILED WATER SANDS
Date of completion: _____
Water sand size: _____
Water sand material: _____
Water sand weight: _____
Water sand length: _____
Water sand joint: _____
Water sand connection: _____
Water sand condition: _____
Water sand location: _____
Water sand notes: _____

LOG ON THE BASIS OF LOGS
Date of completion: _____
Log size: _____
Log material: _____
Log weight: _____
Log length: _____
Log joint: _____
Log connection: _____
Log condition: _____
Log location: _____
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