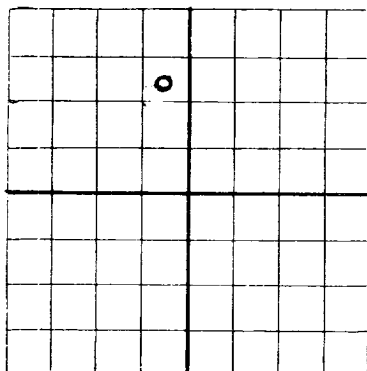


N

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

AREA 640 ACRES
LOCATE WELL CORRECTLY

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

~~Allan Hargrave & Harris G. Eastham Jr.~~ ~~Midland, Texas~~
 (Gov't) ~~Hargrave~~ Well No. 1 in NW $\frac{1}{4}$ of Sec. 15, T 20-South
 R. 30-East N. M. P. M. Barber Field, Eddy County.
 Well is 990 feet south of the North line and 2310 feet ~~east~~ west of the ~~East~~ West line of NW $\frac{1}{4}$
 If State land the oil and gas lease is No. _____ Assignment No. _____
 If patented land the owner is _____ Address _____
 If Government land the permittee is Allan Hargrave Address Midland, Texas
 The Lessee is _____ Address _____
 Drilling commenced November 2, 19 41 Drilling was completed December 8 19 41
 Name of drilling contractor C. A. Martin Address Carlsbad, New Mexico
 Elevation above sea level at top of casing 3213 feet.
 The information given is to be kept confidential until _____ 19 _____

OIL SANDS OR ZONES

No. 1, from 1588 to 1615 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 68 to 80 feet. 50 feet
 No. 2, from 241 to 247 feet. hole full
 No. 3, from _____ to _____ feet. _____
 No. 4, from _____ to _____ feet. _____

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<u>8 5/8</u>	<u>28</u>	<u>8</u>	<u>"</u>	<u>462</u>					<u>shut off</u>
<u>7</u>	<u>17</u>	<u>8</u>		<u>465</u>					<u>"</u>
<u>5 1/2</u>	<u>17</u>	<u>10</u>		<u>1576</u>					<u>oil string</u>

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>10</u>	<u>8 5/8</u>	<u>462</u>	<u>150</u>	<u>Halliburton</u>		<u>100 sacks</u>
<u>8</u>	<u>7</u>	<u>465</u>	<u>20</u>	<u>"</u>		<u>50 "</u>
<u>7 1/2</u>	<u>5 1/2</u>	<u>1576</u>	<u>50</u>	<u>"</u>		<u>50 "</u>

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____
 Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment _____

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 _____ feet to _____ feet, and from _____ feet to _____ feet
 Cable tools were used from 0 feet to 1615 feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing Dec. 8 19 41
 The production of the first 24 hours was 210 barrels of fluid of which 100 % was oil; _____ %
 emulsion; _____ % water; and _____ % sediment. Gravity, Be _____
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Frank Starkey Driller Harold R. Martin Driller
Fred A. Bond Driller _____ Driller

FORMATION RECORD ON OTHER SIDE

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.

Subscribed and sworn to before me this 10th _____ Midland, Texas, Dec. 19, 1941

day of December 19 41 Name Albert Ayra
Wesley Ross Notary Public Position _____
 Representing _____

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	32	32	caliche
32	68	34	red rock
68	80	12	sand and gravel (water)
80	230	150	gyp
230	250	20	sand & red beds
250	267	17	gyp
267	431	164	red shale
431	467	36	salt & potash
467	475	8	anhydrite & grey shale
475	490	15	anhydrite & salt
490	536	46	salt
536	548	12	red shale
548	790	244	salt
790	845	55	salt & gyp shells.
845	1115	270	salt
1115	1120	5	anhydrite
1120	1145	25 sa	salt
1145	1190	45	salt & gyp
1190	1210	20	salt
1210	1270	60	anhydrite
1270	1400	230	grey lime
1400	1424	24	broken sand
1424	1451	27	grey lime
1451	1480	29	bentonite & lime
1480	1520	40	grey lime
1520	1531	11	blue shale
1531	1545	14	lime
1545	1565	20	sand & lime
1565	1615	50	grey lime TD.