

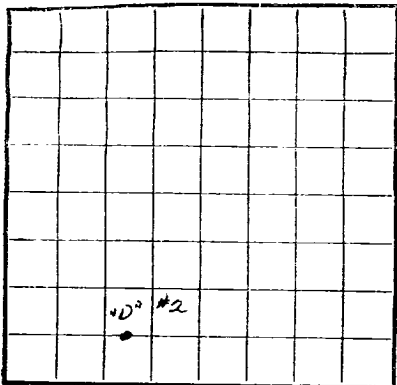
Form 9-330

U. S. LAND OFFICE Las Cruces

SERIAL NUMBER 032650 (a)

LEASE OR PERMIT TO PROSPECT
A. M. Coates "D"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Midwater Oil Company Address Box 547 Hobbs, New Mexico
Lessor or Tract A. M. Coates "D" Field Justis-Fusselman State NEW MEXICO
Well No. 2 Sec. 24 T. 25S R. 37E Meridian 10W County Lea
Location 660 ft. N. of S. Line and 1250 ft. E. of W. Line of Section 24 Elevation 3079
(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 A. P. Lanning
Date September 23, 1958 Title Area Supv.

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

Commenced drilling 7-21-58, 1958 Finished drilling 8-26-58, 1958

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

No. 1, from 5870 to 5936 (Drink.) No. 4, from 6904 (Fuss.) to 6970 (Fuss.)
No. 2, from 6940 to 6970 (Fuss.) No. 5, from 7005 to 7007
No. 3, from 7007 to 7007 No. 6, from 7007 to 7007

IMPORTANT WATER SANDS

No. 1, from 7007 to 7007 No. 3, from 7007 to 7007
No. 2, from 7007 to 7007 No. 4, from 7007 to 7007

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-3/8	36	8	Armco	538'	Armco				
9-5/8	36	8	J-55	3315'	Larkin				
7"	23	8	J-55	7005'	Larkin				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	538	550 Reg. w/ 1/4% floccule	2 - Plug		
9-5/8	3315	1100 Diamix, 200 Beat	2 - stage		
7"	7005	500 Diamix, 300 Incor	2 - stage		

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 7007 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

September 23, 1958 Put to producing 8-24 (Fusselman), 1958
The production for the first 24 hours was Fusselman 105 barrels of fluid of which 97% % was oil; %
Fusselman 3% emulsion; % water; and % sediment. Gravity, °Bé. Fuss. 36.8
Drinkard 2% If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas Drinkard 37.5
Rock pressure, lbs. per sq. in.

EMPLOYEES A. S. Higgins, Inc.

Para Bates, Driller A. D. Sparks, Driller
A. T. Coleman, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	900	900	Red bed
900	1966	1066	Salt & anhy.
1966	3033	1067	anhy.
3033	3185	152	Lime & anhy.
3185	7007	3822	Lime

GEOLOGICAL TOPS

FORMATION	DEPTH
Glorietta	4607'
Justis	4630'
Blinberry	4930'
Drinkard	5850'
Base of Permian	6652'
Fusselman	6700'

FORMATION RECORD—Continued

[illegible]

HISTORY OF OIL OR GAS WELL

16-43094-2 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.

DST #1 from 5860-5960'. GTS in 6 mins., mud in 1 hr. 27 mins., oil in 1 hr., 28 mins. Daily rate 353 bbl. GOR 621:1. ISIP 2660#, FSIP 2386#, IFP 289#, PFP 495#.

DST #2 from 6840-7007'. GTS in 4 mins., mud in 55 mins., oil in 57 mins. Daily rate 1159 BOPD. GOR 390:1. ISIP 2934#, FSIP 2718#, IFP 1412#, PFP 2336#.

Perforated Drinkard 5870-5936', Fusselman 6862-6904, 6940-6970' w/ 4 Jets/ft. Acidized w/ 500 gal. mud acid & 500 Reg. w/ 1000# back to 800#. Treated @ 1200# @ 2 BPM rate (Fusselman) 1 hr. 44 SO on 1/2" ck. TP 375#. Drinkard washed 500 gal. mud acid & squeezed 500 Reg. in formation. Formation broke @ 1600# rate 2 BPM @ 1100# (20 SO in 1 hr. on 1/2" ck.) TP 50-75#.

3-28-58 Official potential on Drinkard: 113.56 BO in 20 hrs. on 3/8" ck.
 BOR 676:1.

Official potential on Fusselman: 102.43 80 in 10 hrs., on 13/64" cl.

LOCATE AND CORRECT

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