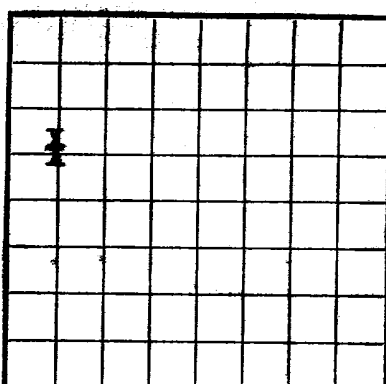


COUNTY	LEA	FIELD	Crossroads	STATE	NM	OWWO
OPR	SUNRAY DX OIL CO.					
	1 New Mexico "D"					
	Sec. 23, T-9-S, R-36-E					
	2310' FNL, 330' FWL of Sec.					
		CLASS	OWD/P	EL		
Re-Cmp 9-30-66	FORMATION	DATUM	FORMATION	DATUM		
CSG & SX - TUBING						
13 3/8" 309' 325						
9 5/8" 4209' 2800						
5 1/2" 12249' 550						
LOGS EL GR RA IND HC A						
	TD 12250'					
TEMPORARILY ABANDONED						

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CONT. DATE PROP DEPTH TYPE WO

1-16-67 F.R.C. 1-19-67; OWWO
(Orig cmp 11-13-56 from Devonian Perfs 12222-235', OTD 12250')
TD 12250', PBD 4890', COMPLETE.
Sqzd 12222-235' W/50 sx.
PB to 11714'
Perf (Atoka) @ 11517', 11519', 11521', 11526'
Acid (11517-526') 1000 gals.
Swbd load + 68 B Salt Wtr + 79 MCFGPD (11517-526')
Acid (11517-526') 3000 gals.
Swbd 5 BO + 7 BW/no time (11517-526')
Sqzd 11517-526' W/50 sx.
PB to 4890'
Perf @ 4849', 4850', 4851', 4852'
Acid (4849-52') 1000 gals.
Swbd down & Swbd load + 2 BO + 12 BW, w/show gas (4849-52')
Frac (4849-52') 20,000 gals oil + 20,000# sd.
Swbd down
Did not rec load (4849-52')



LOCATE WELL CORRECTLY

HOBBS OFFICE OCC

U. S. LAND COMMISSION

SERIAL NUMBER 067735

LEASE OR PERMIT TO PROSPECT

1956 NOV 21 PM 3:29
UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

NOV 21 1956
U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Sunray Mid-Continent Oil Co. Address Box 128 - Hobbs, New MexicoLessor or Tract N.M. Federal "D" Field Crossroads State New MexicoWell No. 1 Sec. 23 T. 9-S R. 36-E Meridian County LeaLocation 2310 ft. S. of N. Line and 330 ft. E. of W. Line of Sec. 23 Elevation 4046

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 November 16, 1956 - IS '523 - Lea County Supervisor Lea County

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

Commenced drilling 8-6-56, 19 56 Finished drilling 11-13, 19 56

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 11,515 to 11,528 No. 4, from _____ to _____No. 2, from 11,223 to 11,235 No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ 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—	
13 3/8	36#	Weld	Armco	318	Tex. Pat.				Surface
9 5/8	4209	8Rd	Smls	12,249	Float				12,222
5 1/2	23#	8Rd	Smls	12,249	Float				12,235 Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	318	325	Pump & Plug		
9 5/8	4209	2860	" "		
5 1/2	12,249	550	" "		

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

November 16, 1956 Put to producing November 13, 1956

The production for the first 24 hours was 72 barrels of fluid of which 100 % was oil; 0 %

emulsion; 0 % water; and 0 % 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

McVay & Stafford, Driller _____, Driller _____

_____, Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	300	300	Surface sand- Shale and Caliche
300	2240	1940	Red Beds
2240	2300	60	Red Beds and Anhydrite
2300	2800	500	Salt
2800	2950	150	Shale and Sand and Anhydrite
2950	4250	1300	Anhydrite
4250	4350	100	Anhydrite and Lime
4350	7715	3365	Lime
7715	8100	385	Shale
8100	8200	100	Lime and Shale
8200	11360	3160	Lime
11360	11700	340	Lime, Shale and Shert
11700	12114	414	Lime with chert Streaks
12114	12140	26	Shale
12140	12200	60	Lime, Shale and Sand
12200	12220	20	Lime and Dolomite
12220	12250	30	Lime

AT THE END OF COMPLETE DRILLER'S
LOG, ADD GEOLOGIC FORMATION
WHETHER FROM LOG OR OTHER SOURCE

FROM—

TO—

TOTAL FEET

(OVER)

FORMATION

10-48004-3

FORMATION RECORD—Continued

LEASE OR PERMIT TO PROSPECT
SERIAL NUMBER 007735
U.S. LAND OFFICE
Las Cruces

UNITED STATES
NOV 13 1950
U.S. AIR FORCE

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Woodford
 Commenced drilling 12-11-17
 12-22-17
 The summary on this page is for the condition of the well at above date.
 Finished drilling 11-13 1925
 Date tested 12-23-17
 The summary on this page is for the condition of the well at above date.
 The information given hereon is a complete and correct record of the well and all work done thereon
 re-perforated 12-22-17
 Location 12.22 of N. line and 330 ft. E. of W. line of Sec. 33
 Elevation 4046
 Well No. 1 Sec. 33 T. 9 S. R. 36 E. 14th Meridian
 County, Lea
 State New Mexico
 Lease or Tract N. 14 Federal "DP" Field Grassroads
 Company Sunray Mid-Continent Oil Co. Address Box 158 - Hobbs, New Mexico

No. 2, from		No. 3, from		No. 4, from		No. 5, from		No. 6, from		No. 7, from		No. 8, from		No. 9, from		No. 10, from		No. 11, from		No. 12, from		No. 13, from		No. 14, from		No. 15, from		No. 16, from		No. 17, from		No. 18, from		No. 19, from		No. 20, from		No. 21, from		No. 22, from		No. 23, from		No. 24, from		No. 25, from		No. 26, from		No. 27, from		No. 28, from		No. 29, from		No. 30, from		No. 31, from		No. 32, from		No. 33, from		No. 34, from		No. 35, from		No. 36, from		No. 37, from		No. 38, from		No. 39, from		No. 40, from		No. 41, from		No. 42, from		No. 43, from		No. 44, from		No. 45, from		No. 46, from		No. 47, from		No. 48, from		No. 49, from		No. 50, from		No. 51, from		No. 52, from		No. 53, from		No. 54, from		No. 55, from		No. 56, from		No. 57, from		No. 58, from		No. 59, from		No. 60, from		No. 61, from		No. 62, from		No. 63, from		No. 64, from		No. 65, from		No. 66, from		No. 67, from		No. 68, from		No. 69, from		No. 70, from		No. 71, from		No. 72, from		No. 73, from		No. 74, from		No. 75, from		No. 76, from		No. 77, from		No. 78, from		No. 79, from		No. 80, from		No. 81, from		No. 82, from		No. 83, from		No. 84, from		No. 85, from		No. 86, from		No. 87, from		No. 88, from		No. 89, from		No. 90, from		No. 91, from		No. 92, from		No. 93, from		No. 94, from		No. 95, from		No. 96, from		No. 97, from		No. 98, from		No. 99, from		No. 100, from																																																																																			
to	2,044	to	4,115	to	7,213	to	11,315	to	15,418	to	19,521	to	23,624	to	27,727	to	31,830	to	35,933	to	40,036	to	44,139	to	48,242	to	52,345	to	56,448	to	60,551	to	64,654	to	68,757	to	72,860	to	76,963	to	81,066	to	85,169	to	89,272	to	93,375	to	97,478	to	101,581	to	105,684	to	109,787	to	113,890	to	117,993	to	122,096	to	126,199	to	130,302	to	134,405	to	138,508	to	142,611	to	146,714	to	150,817	to	154,920	to	159,023	to	163,126	to	167,229	to	171,332	to	175,435	to	179,538	to	183,641	to	187,744	to	191,847	to	195,950	to	200,053	to	204,156	to	208,259	to	212,362	to	216,465	to	220,568	to	224,671	to	228,774	to	232,877	to	236,980	to	241,083	to	245,186	to	249,289	to	253,392	to	257,495	to	261,598	to	265,701	to	269,804	to	273,907	to	278,010	to	282,113	to	286,216	to	290,319	to	294,422	to	298,525	to	302,628	to	306,731	to	310,834	to	314,937	to	319,040	to	323,143	to	327,246	to	331,349	to	335,452	to	339,555	to	343,658	to	347,761	to	351,864	to	355,967	to	360,070	to	364,173	to	368,276	to	372,379	to	376,482	to	380,585	to	384,688	to	388,791	to	392,894	to	396,997	to	401,100	to	405,203	to	409,306	to	413,409	to	417,512	to	421,615	to	425,718	to	429,821	to	433,924	to	438,027	to	442,130	to	446,233	to	450,336	to	454,439	to	458,542	to	462,645	to	466,748	to	470,851	to	474,954	to	479,057	to	483,160	to	487,263	to	491,366	to	495,469	to	499,572	to	503,675	to	507,778	to	511,881	to	515,984	to	520,087	to	524,190	to	528,293	to	532,396	to	536,499	to	540,602	to	544,705	to	548,808	to	552,911	to	557,014	to	561,117	to	565,220	to	569,323

CASTING RECORD

Case No.	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Restored	Purpose
13 278	30#	Weld	LMCO	318 Tex. Pat	FORMATION JOBS		From— To—	Surface
2 155	33#	8.6	LMCO	318 Tex. Pat	FORMATION JOBS		From— To—	Surface

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of peddling, together with the reasons for the work and the results. If changes were made in the casing, state fully, and if any repairs were made, state well, and the size and location. If the well has been dynamited, give date, position, and number of shots. If pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or pulling.

U. S. GOVERNMENT PRINTING OFFICE

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	318	355	Pump & Plug		
9 5/8	1509	5800	" "		
9 1/2	15,349	550	" "		

PLUGS AND ADAPTERS

Adapters—Material	Length	Depth set
Heaving plug—Material		

SHOOTING RECORD

Size	Ball used	Explosive used	Quantity	Date	Depth shot	Depth cleaned feet

TOOLS USED

Rotary tools were used from	0	feet to 15,250	feet, and from	feet to	feet
Cable tools were used from		feet to	feet, and from	feet to	feet

DATA

It gas well, cu. ft. per 24 hours emulsion; 0% water; and 0% sediment.	The production for the first 24 hours was 75
November 6, 1926	Put to producing November 13, 1926

EMPLOYEES

Driller	Driller	McVay & Stafford
Driller	Driller	

FORMATION RECORD

FORMATION	TOTAL FEET	TO-	FROM-
Surface sand- Shale and Caliche	300	300	0
Red Beds	190	2240	300
Red Beds and Anhydrite	60	2300	2240
Salt	500	2800	2300
Shale and Sand and Anhydrite	150	2950	2800
Anhydrite	1300	4250	2950
Anhydrite and Lime	100	4350	4250
Lime	3365	7715	4350
Shale	385	8100	7715
Lime and Shale	100	8200	8100
Lime	3160	11360	8200
Lime, Shale and Chert	340	11700	11360
Lime with chert streaks	414	12114	11700
Shale	26	12140	12114
Lime, Shale and Sand	60	12200	12140
Lime and Dolomite	20	12220	12200
Lime	30	12250	12220

FORMATION RECORD—Continued

WHETHER BY THE END OF ONE LOG AND GROUND AT THE END OF ONE TA