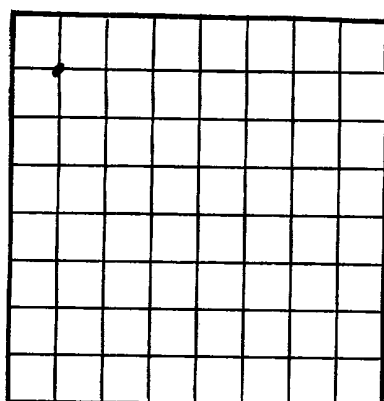


Las Cruces

U. S. LAND OFFICE 070537

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

Company The Ohio Oil Company Address P. O. Box 2107, Hobbs, New Mexico
Lessor or Tract Federal Sunshine Royalty Field Wildcat State New Mexico
Well No. 1 Sec. 34 T. 25 S. R. 32 E. Meridian N. M. P. M. County Lea
Location 660 ft. N. of North Line and 660 ft. E. of West Line of Sec. 34-25-32 Elevation 3369'
(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.

ORIGINAL

SIGNED BY: D. L. PROVINCEDate March 23, 1955Title Superintendent

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

Commenced drilling January 10, 1955 Finished drilling January 30, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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

Casing Record

Size casing	Weight per foot	Length	From	To	Purposes
8-5/8	1030.04	730			
5-1/2	4698.24	200 w/3% gel			
2-3/8	4651.94				open ended w/collar on bottom

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	1030.04	730	B. J.		
5-1/2	4698.24	200 w/3% gel			
2-3/8	4651.94				open ended w/collar on bottom

PLUGS AND ADAPTERS

Heaving plug—Material bridge plug Length 3900 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 surface feet to T.D. 4833 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Plugged & abandoned 3-7-1955, 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
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	820	820	Caliche, sand & shale.
820	1040	220	Anhy. dolomite, sand & shale.
1040	1420	380	Anhydrite.
1420	1530	110	Salt.
1530	1580	50	Anhydrite & shale.
1580	1720	140	Salt.
1720	1770	50	Anhydrite.
1770	2780	1010	Salt w/stringers of anhydrite.
2780	3040	260	Anhydrite.
3040	3340	300	Salt.
3340	3480	140	Banded anhydrite.
3480	3550	70	Salt.
3550	3910	360	Banded anhydrite.
3910	4040	130	Salt.
4040	4150	110	Banded anhydrite.
4150	4400	250	Salt.
4400	4590	190	Banded anhydrite.
4590	4630	40	Black lignite & banded anhydrite.
D.P.C. 4633	4658	25	Coarse, fine grain dark gray silty sand w/black stringers bottom 8' gray soft fine, friable sand, good odor & black shale partings streaky to good floor, good odor.
4658	4683	25	
4683	4693	10	
FROM—	TO—	TOTAL FEET	FORMATION

(OVER)

FORMATION RECORD—Continued

DST NO. 1 - from 4629' to 4658'. Ran dual packers, hydraulic jars, safety joint, reverse circulating tool and pump out plug. Tool open at 7:20 a. m. Good blow air immediately increasing to strong blow in 1 min. Decreased to fair blow in 12 min. Decreased to weak blow in 30 min. Died in 2 hrs. Recovered 40' drilling mud, 240' gas and sli oil cut mud. Pressures: Initial flowing - 150#, 30 min. S. I. 550#, hydrostatic - 2525#.

DST NO. 2 - from 4658' to 4683'. Ran Bowen jars, dual packers, safety joint, reverse circulating tool and pump out plug. Tool open at 8:25 a. m. for 3 hrs. Good blow air immediately increasing to strong blow in 12 min. Gas to surface in 22 min. Recovered 60' sli oil and gas cut mud, 300' heavily oil and gas cut m mud, 500' sli oil and gas cut salt water, 1146' gas cut salt water. Total recovered - 1960' fluid. Pressures: Initial flowing - 0#, final flowing - 975#, 30 min. S. I. - 1200#, hydrostatic - 2550#.

CORE RECORD:

Core No. 1 - 4633-4658' (25') 100% recovery.
4633-4644' (11') fine grain dark gray silty sand (siltstone) with black shale stringers, barren.
4644-4650' (6') fine grain dark gray silty sand, good odor on fresh fractures, streaky fluor, black shale partings.
4650-4658' (8') fine grain gray soft friable sand, good odor on fresh fractures, good fluor, stain & some scattered bleeding of oil.

Core No. 2 4658-4683' (25') Recovered 22.5', 90% recovery.
4658-4664' (6') fine grain gray sand with black shale partings, good odor on fresh fractures, streaky fluor.
4664-4667' (3') fine grain gray silty sand, slight odor, spotty fluor.
4667-4669' (2') fine grain gray silty sand, slight odor, streaky fluor.
4669-4671' (2') fine grain gray silty sand, barren.
4671-4674' (3') fine grain gray sand, good odor & fluor.
4674-4675' (1') fine grain gray silty sand, slight odor, streaky fluor.
4675-4678' (3') fine grain gray sand, good odor, good fluor.
4678-4679' (1') fine grain gray silty sand, slight odor, streaky fluor.
4679-4680.5' (1½') fine grain gray silty sand, very slight fluor, slight odor.
4680.5-4683' (2½') missing.

NOTE: We consider that we did not recover the bottom 2½'.

Core No. 3 4683-4733' (50') 100% recovery.
4683-4685' (2') fine grain gray sand, barren.
4685-4694' (9') fine grain gray sand, scattered horizontal fractures, barren.
4694-4702' (8') fine grain gray sand, trace of streaky fluor.
4702-4712' (10') fine grain gray shaley sand, barren.
4712-4720' (8') silty black shale.
4720-4722' (2') silty gray-black shale with stringers of fine gray sand, barren.
4722-4725' (3') silty gray fine sand, barren.

4.1.1.1 - 1500#, hydrostatic - 3550%
recovered - 1950, fluid. pressure: initial flowing - 0.5, final flowing - 4.5,
and, 100' all oil and gas cut salt water, 1100' gas cut salt water. Local
10.32 min. recovered 60' all oil and gas cut mud, 300' heavily oil and gas cut
local flow air immediately increasing to steady slow in 12 min. gas cut mud
reverse circulating tool and pump cut plug. Tool open at 6:15 a.m. for 3 min.
4.1.1.2 - from 1050' to 1003'. mud power, lost, local packers, safety joints,

4400, 2000

[illegible]

NOTE: we consider that we did not recover the bottom 2'.

[illegible]

Federal Sunshine Royalty Well No. 1 - continued

Core No. 3 (Continued)

4725-4729' (4') fine grain gray sand with black shale partings, barren.
4729-4733' (4') fine grain gray, friable sand, barren.

Core No. 4

4733-4783' (50') 100% recovery.
4733-4783' (50') fine grain gray soft sand, friable, vertical & horizontal fractures, barren.

Core No. 5

4783-4833' (50') 100% recovery.
4783-4789' (6') fine grain gray sand, barren.
4789-4791' (2') fine grain gray sand with black shale partings.
4791-4799' (8') gray to dark silty dense hard sand, barren.
4799-4803' (4') hard black shale.
4803-4805' (2') gray-dark gray silty sand with black shale partings.
4805-4824' (19') fine grain gray silty sand dense, hard, with black shale partings.
4824-4833' (9') fine grain gray friable sand with black shale partings.

TOTCO SURVEY

Feet	Deviation °	Feet	Deviation °
145	1/2	3510	2-1/2
300	1-1/4	3533	2-1/2
513	3/4	3593	2-3/4
710	3/4	3675	2
923	1	3713	2
1101	1/2	3800	1-3/4
1367	3/4	3924	1-3/4
1517	1-1/4	4014	2-1/4
1668	1	4198	1-3/4
2181	1-3/4	4348	2-3/4
2264	1-3/4	4409	2-1/2
2482	1-3/4	4590	2-1/4
2597	1-3/4		
2670	2-1/4		
2780	2		
2899	2		
3010	2-1/4		
3170	1		
3321	1		

Section of ... (continued)

Top No. 2 (continued)

1125-1130 (4') Fine grain gray, iridescent sand, barren.
1125-1130 (4') Fine grain gray sand with black shale partings, barren.

Top No. 3

1130-1135 (50') Fine grain gray sand, iridescent, vertical - horizontal fractures, barren.
1130-1135 (50') 100% recovery.

Top No. 4

1135-1140 (50') 100% recovery.
1135-1140 (50') Fine grain gray sand, barren.
1140-1145 (50') Fine grain gray sand with black shale partings.
1145-1150 (50') Gray to dark silty dense hard sand, barren.
1150-1155 (50') Hard black shale.
1155-1160 (50') Gray-dark gray silty sand with black shale partings.
1160-1165 (50') Fine grain gray silty sand dense, hard, with black shale partings.
1165-1170 (50') Fine grain gray silty sand with black shale partings.

Top No. 5

Depth	Deviation	Depth	Deviation
1170	1/2	1170	1/2
1180	1-1/2	1180	1-1/2
1190	3/4	1190	3/4
1200	3/4	1200	3/4
1210	1	1210	1
1220	1/2	1220	1/2
1230	3/4	1230	3/4
1240	1-1/2	1240	1-1/2
1250	1	1250	1
1260	1-1/2	1260	1-1/2
1270	1-3/4	1270	1-3/4
1280	1-3/4	1280	1-3/4
1290	2-1/2	1290	2-1/2
1300	2-1/2	1300	2-1/2
1310	2-1/2	1310	2-1/2
1320	2-1/2	1320	2-1/2
1330	2-1/2	1330	2-1/2
1340	2-1/2	1340	2-1/2
1350	2-1/2	1350	2-1/2
1360	2-1/2	1360	2-1/2
1370	2-1/2	1370	2-1/2
1380	2-1/2	1380	2-1/2
1390	2-1/2	1390	2-1/2
1400	2-1/2	1400	2-1/2
1410	2-1/2	1410	2-1/2
1420	2-1/2	1420	2-1/2
1430	2-1/2	1430	2-1/2
1440	2-1/2	1440	2-1/2
1450	2-1/2	1450	2-1/2
1460	2-1/2	1460	2-1/2
1470	2-1/2	1470	2-1/2
1480	2-1/2	1480	2-1/2
1490	2-1/2	1490	2-1/2
1500	2-1/2	1500	2-1/2