

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

PLAIN COPY 150 CCC

IN THE MATTER OF THE APPLICATION OF SUNRAY
MID-CONTINENT OIL COMPANY FOR AN ORDER
PERMITTING THE DUAL COMPLETION OF ITS
D. HARDY NO. 2 AS AN OIL WELL IN THE
DRINKARD POOL AND AS AN OIL WELL IN THE
PADDOCK POOL IN LEA COUNTY, NEW MEXICO,
AS AN EXCEPTION TO STATEWIDE RULE 112-A

CASE NO. 112-27

Case 1731

A P P L I C A T I O N

TO THE HONORABLE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

COMES NOW the Applicant, Sunray Mid-Continent Oil Company, and alleges and states as follows:

1. That it is operator of its D. Hardy Lease covering the South half of the Northeast quarter of Section 29, Township 21 South, Range 37 East, Lea County, New Mexico.
2. That D. Hardy Well No. 2 is located 1980 feet from the North line and 1980 feet from the East line of said Section 29 and that said well No. 2 was completed as an oil well in the Drinkard Pool on February 12, 1947, at a total depth of 7065 feet plug back total depth of 6680 feet through open hole section 6530 feet to 6680. That 13 3/8" OD casing was cemented at 300 feet with 300 sacks of cement. That 9 5/8" OD casing was set at 2838 feet with 1000 sacks of cement. That 7" OD casing was set at 6530 feet with 250 sacks of cement.
3. That it is proposed to dually complete said Well No. 2 in the Drinkard and Paddock Pools by pressure testing the casing, squeeze cementing at 5166 feet and 5140 feet, perforating from 5150 to 5160 feet, acidizing as necessary to stimulate production, and producing each zone through parallel strings of 2 3/8" OD, 1.995" ID tubing with a permanent type production packer set between the two zones at a depth 6500 feet.
4. That Statewide Rule 112-A permits the dual completion of a well two oil pools only by order of the Commission upon hearing unless such a dual completion has previously been authorized in the same two oil pools.
5. That this method of dual completion is mechanically feasible and practical, that if necessary both zones can be artificially lifted, that the oil, water, and/or gas production from each zone can be accurately metered and measured., that bottom-hole pressures may be taken on each zone using this proposed equipment.
6. That attached hereto and made a part hereof is Commission form "Application for Dual Completion", a plat which shows the location of all Drinkard and Paddock wells on and offsetting applicant's lease and which shows names and addresses of operators of leases offsetting applicant's lease, and a diagrammatic sketch showing diameters and setting depths of casing and tubing strings, cementing data, perforated intervals, and setting depth and type of packer. That copies of this application have been sent by registered mail to all offset operators.
7. Since an electric log has not been previously run on said Well No. 2, a copy of a radioactive log to be run during dual completion operations will be furnished to the Commission within fifteen (15) days after completion.
8. That in the interest of conservation, the prevention of waste, and the protection of correlative rights this application should be granted.

WHEREFORE, Applicant prays that this application be set for hearing, that notice be given as required by law and that upon the evidence adduced at such hearing, the Commission issue an order permitting Applicant to produce its order permitting Applicant to produce its D. Hardy Well No. 2 as a dual completion between the Drinkard Pool and the Paddock Pool in the manner requested by this application

DATED this 14th day of July, 1959.

SUNRAY MID-CONTINENT OIL COMPANY

By William R. Lee

Robert Miles
7-23-59

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name Paddock and Drinkard			County Lea	Date July 7, 1959
Operator Sunray Mid-Continent Oil Co.		Lease D. Hardy		Well No. 2
Location of Well	Unit G	Section 29	Township 21S	Range 37E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X
2. If answer is yes, identify one such instance: Order No. _____ ; Operator, Lease, and Well No.:

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Paddock	Drinkard
b. Top and Bottom of Pay Section (Perforations)	Perf. '5150'-60'	OH 6530-6680'
c. Type of production (Oil or Gas)	Oil <input checked="" type="checkbox"/>	Oil <input checked="" type="checkbox"/>
d. Method of Production (Flowing or Artificial Lift)	Flow <input checked="" type="checkbox"/>	Flow <input checked="" type="checkbox"/>

4. The following are attached. (Please mark YES or NO)

- yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- yes c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- **NO d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Magnolia Petroleum Company, P. O. Box 2406, Hobbs, N.M.

Gulf Oil Corp, P. O. Box 2167, Hobbs, N.M.

Sinclair Oil and Gas Company, 520 E. Broadway, Hobbs, N.M.

The Ohio Oil Company, P. O. Box 2107, Hobbs, N.M.

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO ____ . If answer is yes, give date of such notification July 8, 1959 .

CERTIFICATE: I, the undersigned, state that I am the District Engineer of the Sunray Mid-Continent Oil Company (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

** Logs not run at time of completion.

Logs will be submitted as per Rule 112-A

Robert E. Statton
Signature

* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.