

4656

B

SUNRAY OIL CORPORATION  
 EDNA ELLIOTT WELL NO. A-2  
 1980' S. OF N. LINE AND 660'  
 W. OF E. LINE OF 21 - 21S - 37E.  
 LEA COUNTY, NEW MEXICO

<u>From</u>	<u>To</u>	<u>Total Feet</u>	<u>Formation</u>
0	40	40	Sand & Claiche
40	295	255	Sand, Redbed
295	330	35	Caliche
330	405	75	Redbed
405	720	315	Redbed & Shells
720	952	232	Redbed, Shale & Shells
952	1184	232	Shale & Shells
1184	1265	81	Anhydrite & Redbed
1265	1401	136	Redbed & Anhydrite
1401	1620	219	Anhydrite, Salt & Potash
1620	1830	210	Salt, Anhydrite & Redbed
1830	2163	333	Anhydrite, Potash & Salt
2163	2285	122	Shell, Salt & Redbed
2285	2438	153	Salt & Anhydrite
2438	2603	165	Lime & Gypsum
2603	2639	36	Lime & Anhydrite
2639	2735	96	Lime & Gypsum
2735	2925	190	Lime
2925	3026	101	Sandy Lime & Gypsum
3026	3360	334	Lime & Gypsum
3360	3825	465	Lime
3825	3900	1075	Sandy Lime & Gypsum
3900	4120	220	Lime
4120	4130	10	Sandy Lime
4130	6635 T.D.	2505	Lime

## BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF )  
 SUNRAY OIL CORPORATION FOR AN EXCEPTION )  
 TO ORDER NO. R-373-A TO PERMIT IT TO )  
 ASSIGN AN 80-ACRE GAS PRORATION UNIT )  
 TO ITS ELLIOTT "A" WELL NO. 2 LOCATED )  
 IN THE SE/4 OF THE NE/4 OF SECTION 21- )  
 TWP. 21S - RGE. 37E, LEA COUNTY, N. M. )

APPLICATION

Comes now Sunray Oil Corporation, applicant herein, and respectfully shows to the Honorable Oil Conservation Commission of the State of New Mexico as follows:

1. That the applicant is the owner and operator of an oil and gas lease covering the E/2 of the NE/4 of Section 21 - Twp. 21S - Rge. 37E, Lea County, New Mexico, consisting of 80 acres and known as its Elliott "A" lease.

2. That applicant's Elliott "A" Well No. 2 located therein is presently completed as an oil well in the Drinkard formation. Applicant now intends to complete this well in the Tubb gas zone so as to dually complete in the two formations and assign the above described 80-acre Elliott "A" lease as the gas proration unit for the Tubb completion. Rule 7 of Order R-373-A provides for the establishment of 160 acre gas proration units in the Tubb gas pool. Applicant has made a reasonably diligent effort to unitize this 80-acre tract with the acreage adjacent so as to form a 160-acre quarter section gas unit, but it has been determined to be impractical to so communitize.

3. Attached hereto and incorporated herein by reference in a plat showing the location of the unit well and the outline of the proposed 80-acre gas proration unit.

WHEREFORE applicant prays that this matter be set for hearing, if in the opinion of the Commission a hearing is necessary to obtain this authority, that notice be given thereof as required by law, and that upon final hearing the Oil Conservation Commission of the State of New Mexico enter its order authorizing applicant to assign an 80-acre gas proration unit to this well in accordance with this application and the rules and regulations of the Oil Conservation Commission.

Dated this 6th day of January, 1954.

SUNRAY OIL CORPORATION

By: John D. Gassett

(The above mentioned plat is on file with the O.C.C. in Santa Fe, New Mexico.)

New Mexico Oil & Gas Engineering Committee  
 Hobbs, New Mexico  
 February 3, 1954

*Feb* *Case 1st*

# SUNRAY OIL CORPORATION

FIRST NATIONAL BUILDING

TULSA 2, OKLAHOMA

January 13, 1954

New Mexico Oil Conservation Commission  
Santa Fe, New Mexico

Re: Application of Sunray Oil Corporation for permission to dually complete its Elliott "A" Well No. 2 located in the SE/4 of the NE/4 of Section 21 - Twp. 21S - Rge. 37E, Lea County, New Mexico and application for assignment of 80-acre gas proration unit

Gentlemen:

Enclosed please find the following applications of Sunray Oil Corporation:

Application for an order granting permission to dually complete the Elliott "A" Well No. 2 located in the SE/4 of the NE/4 of Section 21 - Twp. 21S - Rge. 37E, Lea County, New Mexico.

Application for an exception to Order No. R-373-A to permit assignment of 80-acre gas proration unit to the Elliott "A" Well No. 2 located in the SE/4 of the NE/4 of Section 21 - Twp. 21S - Rge. 37E, Lea County, New Mexico.

It is requested that these two applications be set for hearing on the same date, and that we be advised of the date.

Very truly yours,

SUNRAY OIL CORPORATION

By: *John D. Gassett*  
John D. Gassett

JDJ:mp  
encls.

#656  
A Sunny State 15

16  
Amerada  
"DA"

Shell  
7

1-DA 2-DA 3-DA 4-DA 5-DA

2 3 6

T 21 S R 37 E

Mid-Continent  
"15"

1 2 3 4 5

1 3 4 5 8 9

Argo

Trinity Prod. Co.  
(Sinclair)

Sunray "A"  
S-17492

Shell  
"A"

2 TRINITY DRIG CO.  
3 SHELL  
4  
5 1 RUSH  
6  
7 TRINITY  
3-E

1A  
3-A  
2A (Elliott Permit)  
4-A

1 3 6  
9 8  
7  
2 4-A 5

W. W. Weatherby

Argo

21  
Continental et al

S.E. Cone et al

22  
Shell

2 2-D 4-D 3-D 3-S

1 S.E. CONE, ET AL  
2

8 2 7 10 9 12

Anderson

1 1-D 1-A 2-B 4-S 1-E 2-S

3 1-S

4 6 11 13

M. Wantz

A. T. Turner

Gulf

Continental

2 2 6 25 23 19 1 11 23 10 16 13

3-A 1-E 7A 8-A

○ Proposed Dual Completion

Proposed Gas Unit

Sunray Oil Corporation  
TUBES AND DRINKARD POOLS  
Lea County, New Mexico  
FWB 12-30-53 Scale 1"=1000'

4 1 18 24 5 3 15

4-A 4-E 6610'

A. King

1-A 2-A

Lockhart

Case 656  
Sunray  
C

AFFIDAVIT OF G. D. STROTHER, GEOLOGICAL ENGINEER

STATE OF OKLAHOMA )  
                          ) SS  
COUNTY OF TULSA   )

G. D. Strother, of lawful age, being first duly sworn, deposes and says as follows:

1. That he graduated from the University of Oklahoma with a Bachelor of Science Degree in Geological Engineering in 1947 and has been employed by Sunray Oil Corporation as a production and geological engineer for seven years; that he is familiar with the facts as set forth herein, and in Sunray Oil Corporation's application for authority to dually complete its Elliott "A" Well No. 2 located in the SE/4 of the NE/4 of Section 21 - Twp. 21S - Rge. 37E, Lea County, New Mexico; and that he has made a careful study of the oil and gas producing sands in the vicinity of this well.

2. Sunray Oil Corporation's Elliott "A" Well No. 2 was completed on September 22, 1947 to a total depth of 6635'. Thirteen and three-eighths inch casing is set at 320' with 300 sacks of cement, 9-5/8" casing is set at 2847' with 1000 sacks of cement and 7" casing is set at 6514' with 500 sacks of cement. Two inch tubing is set at 6633'. The Tubb Gas Sand is encountered in this well at approximately 6190'. The Drinkard Oil Sand is encountered in this well at 6520'. It is intended to produce oil from the Drinkard sand through the tubing and gas from the Tubb Gas Sand through the annular space between the tubing and the casing. A Baker Model "D" Production Packer will be set at approximately 6500'. The use of this packer will effectively separate production from the two zones and insure separate passage of the production from each reservoir to the surface.

3. That in his opinion the dual completion of this well, as shown on the diagrammatic sketch which is offered as an exhibit, is feasible and represents sound engineering practice, and therefore the application of Sunray Oil Corporation for authority to so dually complete should be approved.

G. D. Strother

Subscribed and sworn to before me this 12 day of February, 1954.

My commission expires: 3-30-55

Francis Frohneffel  
Notary

D # 656  
Sunray

New Mexico Oil Conservation Commission  
Santa Fe, New Mexico

Re: Application of Sunray Oil Corporation for  
Assignment of an 80-acre Gas Proration Unit  
for its Elliott "A" Well No. 2, Lea County,  
New Mexico.

Gentlemen:

We have been advised by Sunray Oil Corporation of its intention to assign its 80-acre Elliott "A" lease as an 80-acre proration unit for its Elliott "A" Well No. 2 located in the SE/4 of the NE/4 of Section 21 - Twp. 21S - Rge. 37E, Lea County, New Mexico. It is our understanding that this well will be dually completed in the Drinkard and Tubb zones. The 80-acre proration unit requested is for the Tubb gas zone which is encountered at approximately 6090'.

As an owner of an oil and gas lease offsetting Sunray Oil Corporation's Elliott "A" lease, we have no objection to the dual completion of this well and the assignment of this gas proration unit as above described and hereby waive rights of protest.

Very truly yours,

S. E. Cone

Date: Jan 14 - 1954

By: J. R. Cone

*H. L. Johnston*  
*E. L. Johnston*

New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Gentlemen:

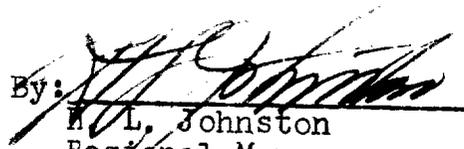
Re: Application of Sunray Oil  
Corporation for Assignment  
of an 80-acre Gas Proration  
Unit for its Elliott "A" Well  
No. 2, Lea County, New Mexico

We have been advised by Sunray Oil Corporation of its intention to assign its 80-acre Elliott "A" lease as an 80-acre proration unit for its Elliott "A" Well No. 2 located in the SE/4 of the NE/4 of Section 21, Township 21 South, Range 37 East, Lea County, New Mexico. It is our understanding that this well will be dually completed in the Drinkard and Tubb zones. The 80-acre proration unit requested is for the Tubb gas zone which is encountered at approximately 6090 feet.

You are respectfully advised that Continental Oil Company hereby waives notice and hearing on the formation of the 80-acre proration unit described above, and to the dual completion of this well.

Very truly yours,

CONTINENTAL OIL COMPANY

By: 

H. L. Johnston  
Regional Manager  
of Production  
Southwestern Region

116-6  
F. J. [unclear]

New Mexico Oil Conservation Commission  
Santa Fe, New Mexico

Re: Application of Sunray Oil Corporation for  
Assignment of an 80-acre Gas Proration Unit  
for its Elliott "A" Well No. 2, Lea County,  
New Mexico

Gentlemen:

We have been advised by Sunray Oil Corporation of its intention to assign its 80-acre Elliott "A" lease as an 80-acre proration unit for its Elliott "A" Well No. 2 located in the SE/4 of the NE/4 of Section 21 - Twp. 21S - Rge. 37E, Lea County, New Mexico. It is our understanding that this well will be dually completed in the Drinkard and Tubb zones. The 80-acre proration unit requested is for the Tubb gas zone which is encountered at approximately 6090'.

As an owner of an oil and gas lease offsetting Sunray Oil Corporation's Elliott "A" lease, we have no objection to the dual completion of this well and the assignment of this gas proration unit as above described and hereby waive rights of protest.

Very truly yours,

MID-CONTINENT PETROLEUM CORP.

Date: 1-14-54

By: *A. E. Purce*

H658

Z Sunray

New Mexico Oil Conservation Commission  
Santa Fe, New Mexico

Re: Application of Sunray Oil Corporation for  
Assignment of an 80-acre Gas Proration Unit  
for its Elliott "A" Well No. 2, Lea County,  
New Mexico.

Gentlemen:

We have been advised by Sunray Oil Corporation of its intention to assign its 80-acre Elliott "A" lease as an 80-acre proration unit for its Elliott "A" Well No. 2 located in the SE/4 of the NE/4 of Section 21 - Twp. 21S - Rge. 37E, Lea County, New Mexico. It is our understanding that this well will be dually completed in the Drinkard and Tubb zones. The 80-acre proration unit requested is for the Tubb gas zone which is encountered at approximately 6090'.

As an owner of an oil and gas lease offsetting Sunray Oil Corporation's Elliott "A" lease, we have no objection to the dual completion of this well and the assignment of this gas proration unit as above described and hereby waive rights of protest.

Very truly yours,

TRINITY PRODUCTION COMPANY

Date: January 25, 1954

By: J. L. K. K. K.  
President

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

June 7, 1954

Mr. L. C. White  
Box 787  
SANTA FE N M

Dear Sir:

On behalf of your client, Sunray Oil Corporation, we en-  
close copy of Order R-448 issued by the Commission in  
Case 656, heard on February 17, 1954.

Very truly yours,

W. B. Macey  
Chief Engineer

WEM:nr

C  
O  
P  
Y

Amerada  
"DA"

Shell

1-DA 2-DA 3-DA 4-DA 5-DA

7 2 3 6

T 21 S R 37 E

Mid-Continent  
"15"

1 2 3 4 5

1 9 3 4 5

Argo

Trinity Prod. Co.  
(Sinclair)

Sunray "A"  
S-17492

Shell  
"A"

2 TRINITY DRIG CO.

3 SHELL

4

1A

1

6 3

5 1 RUSH

6

TRINITY 7 3-E

2A 4-A (Elliott Permit)

7

2

4-A 5

W. W. Weatherby

Argo

Continental et al

S.E. Cone et al

Shell

2 2-D

4-D

3-D 3-S

1 S.E. CONE, ET AL 2

8 2 7

10 9 12

Anderson

1 1-D 1-A

2-B 4-S

1-E 2-S

3 1-S

4 6

11 13

M. Wantz

A. T. Turner

Gulf

Continental

2 2 8 25

22 19 1

11 23 10

16 15

1-E 7A

3-A 8-A

○ Proposed Dual Completion

Sunray Oil Corporation  
TUBBS AND DRINKARD POOLS  
Lea County, New Mexico  
FWB 12-30-53 Scale 1"=1000'

4 1 18 24

5 3 15

A. King

4-A

4-E 6610'

Lockhart

2-A