

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE No. 2613  
Order No. R-2302

APPLICATION OF SHELL OIL COMPANY  
FOR A TRIPLE COMPLETION, LEA COUNTY,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 8, 1962, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 13th day of August, 1962, the Commission, a quorum being present, having considered the application and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Shell Oil Company, has requested that Case No. 2613 be dismissed.

IT IS THEREFORE ORDERED:

That Case No. 2613 is hereby dismissed.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
EDWIN L. MECHEM, Chairman

  
E. S. WALKER, Member

  
A. L. PORTER, Jr., Member & Secretary



esr/

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
PHONE 325-1182

ALBUQUERQUE, N. M.  
PHONE 243-6691

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
August 8, 1962

EXAMINER HEARING

-----  
IN THE MATTER OF: )

Application of Shell Oil Company for a )  
triple completion, Lea County, New )  
Mexico. Applicant, in the above-styled )  
cause, seeks permission to complete its )  
Middleton Federal "A" Well No. 1, )  
located in Unit H of Section 18, Town- )  
ship 19 South, Range 32 East, Lea )  
County, New Mexico, as a triple com- )  
pletion (conventional) in the Bone )  
Spring, Wolfcamp and Pennsylvanian for- )  
mations, with the production of oil )  
from all zones to be through parallel )  
strings of 2 3/8 inch tubing. )

Case 2613

-----  
BEFORE: Mr. Daniel S. Nutter, Examiner.

TRANSCRIPT OF HEARING

MR. NUTTER: We will call next Case 2613.

MR. FLINT: Application of Shell Oil Company for a  
triple completion, Lea County, New Mexico.

MR. MORRIS: Mr. Examiner, I am Richard Morris of the  
firm of Seth, Montgomery, Federici and Andrews. A request for  
dismissal of this case has previously been filed with the Commis-  
sion.



MR. NUTTER: Case 2613 will be dismissed.

STATE OF NEW MEXICO )  
 ) ss  
COUNTY OF BERNALILLO )

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 1st day of September, 1962.

*Ada Dearnley*  
Notary Public-Court Reporter

My commission expires:

June 19, 1963.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2613 heard by me on Aug 8, 1962.

*[Signature]*, Examiner  
New Mexico Oil Conservation Commission

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
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ALBUQUERQUE, N. M.  
PHONE 243 6691





NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

5-1-61

APPLICATION FOR MULTIPLE COMPLETION

*Case 2613*

Operator Shell Oil Company		County Lea	Date July 11, 1962
Address Box 1858, Roswell, New Mexico		Lease Middleton Federal "A"	Well No. 1
Location of Well Unit H	Section 18	Township 19 S	Range 32 E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES  NO
2. If answer is yes, identify one such instance: Order No. R-2244; Operator, Lease, and Well No.:

Pan American, Greenwood Unit 7

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Bone Spring	Wolfcamp	Pennsylvanian
b. Top and Bottom of Pay Section (Perforations)	8550 - 8750	10,150 - 10,350	11,000 - 11,300
c. Type of production (Oil or Gas)	Oil	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Flow	Flow	Flow

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

- Yes a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and 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 multiple 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.

Pan American Petroleum Corporation, Box 268, Lubbock, Texas  
Continental Oil Company, Box 1377, Roswell, New Mexico  
~~El Paso Natural Gas Products Company, Wilco Building, Midland, Texas~~  
Phillips Petroleum Company, Permian Building, Midland, Texas  
~~Kerr-McGee Oil Industries, Inc., Box 1347, Odessa, Texas~~  
Gulf Oil Corporation, P. O. Box 1938, Roswell, New Mexico  
Southern California Petroleum Corporation, P. O. Box 1071, Midland, Texas

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES  NO  . If answer is yes, give date of such notification July 11, 1962

CERTIFICATE: I, the undersigned, state that I am the representative of the Shell 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.

*B. L. Rankin*

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

NOV 11 1962  
BEFORE THE OIL CONSERVATION COMMISSION  
OF NEW MEXICO

APPLICATION OF SHELL OIL COMPANY FOR  
APPROVAL OF A TRIPLE COMPLETION,  
LEE COUNTY, NEW MEXICO

Case 2613

REQUEST FOR DISMISSAL

Comes now SHELL OIL COMPANY and requests that  
Case 2613, Application of Shell Oil Company for Approval  
of Triple Completion, set for hearing before Examiner  
Daniel S. Nutter on August 8, 1962, be dismissed.

SETH, MONTGOMERY, FEDERICI & ANDREWS

By Richard A. Morris  
Attorneys for Shell Oil Company

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

*Case 7000*

DATE July 20, 1962

OIL CONSERVATION COMMISSION  
BOX 871  
SANTA FE, NEW MEXICO

Re: Proposed NSP \_\_\_\_\_

Proposed NSL \_\_\_\_\_

Proposed NFO \_\_\_\_\_

Proposed DC \_\_\_\_\_

Gentlemen:

Triple X

I have examined the application dated July 20, 1962

for the Shell Oil Co. Middleton Fed "A" #1-H 18-19-32  
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

OK EFE

Geologically OK JWR

Yours very truly,

OIL CONSERVATION COMMISSION

DOCKET: EXAMINER HEARING - WEDNESDAY - AUGUST 8, 1962

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM,  
STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO

The following cases will be heard before Daniel S. Nutter, Examiner, or Elvis A. Utz, as alternate examiner:

CASE 2009:

(Reopened)

Application of Gulf Oil Corporation for a four-month extension of the effectiveness of Order No. R-1726, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a four-month extension of the effectiveness of Order No. R-1726, which established a temporary 200-acre non-standard gas proration unit in the SW/4 and the SW/4 SE/4 of Section 23, Township 22 South, Range 37 East, Blinebry Gas Pool, Lea County, New Mexico.

CASE 2612:

Application of Texaco Inc. for a tubing exception, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to produce its C. C. Fristoe (b) NCT-2 Well No. 6, located in Unit H of Section 35, Township 25 South, Range 37 East, Lea County, New Mexico, North Justis-Devonian Pool, through a string of 1 1/2 inch OD tubing run with a packer inside of a 2 7/8 inch OD casing.

CASE 2613:

Application of Shell Oil Company for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Middleton Federal "A" Well No. 1, located in Unit H of Section 18, Township 19 South, Range 32 East, Lea County, New Mexico, as a triple completion (conventional) in the Bone Spring, Wolfcamp and Pennsylvanian formations, with the production of oil from all zones to be through parallel strings of 2 3/8 inch tubing.

CASE 2614:

Application of Pan American Petroleum Corporation for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its USA H. V. Pike Well No. 1, located in Unit A of Section 6, Township 23 South, Range 38 East, Lea County, New Mexico as a triple completion (conventional) in the Blinebry Oil Pool, Tubb Gas Pool and Drinkard Oil Pool, with the production of oil from the Blinebry and Drinkard formations and gas from the Tubb formations through parallel strings of tubing.

- CASE 2615: Application of Aztec Oil & Gas Company for a waterflood project, Lea and Eddy Counties, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a waterflood project in the Robinson Grayburg-San Andres Oil Pool in an area underlying the E/2 SE/4 and SW/4 SE/4, Section 36, Township 16 South, Range 31 East and the SW/4 SE/4 Section 30 and the W/2, W/2 E/2, and SE/4 SE/4 of Section 31, Township 16 South, Range 32 East, Lea and Eddy Counties, New Mexico, with injection of water to be into the Grayburg formation in six injection wells, said project to be governed by the provisions of Rule 701.
- CASE 2616: Application of Tenneco Oil Company for a waterflood project, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a waterflood project in the Cha Cha-Gallup Oil Pool in an area underlying Section 31, Township 29 North, Range 13 West, San Juan County, New Mexico, with injection of water into the Gallup formation at an approximate depth of 5500-5700 feet, said project to be governed by the provisions of Rule 701.
- CASE 2355: (Reopened)  
In the matter of the application of H. L. Brown, Jr., and Clem E. George for establishment of special rules and regulations for the Bluit-Wolfcamp Gas Pool, Roosevelt County, New Mexico. Case 2355 will be reopened pursuant to Order No. R-2051 to permit the applicant and other interested parties to appear and show cause why the Bluit-Wolfcamp Gas Pool should not be developed on 160-acre proration units.
- CASE 2345: (Reopened)  
In the matter of the application of Continental Oil Company for the establishment of special rules and regulations for the Rattlesnake-Pennsylvanian Pool, San Juan County, New Mexico. Case 2345 will be reopened pursuant to Order No. R-2049 to permit the applicant and other interested parties to appear and show cause why the subject pool should not be developed on 40-acre proration units.
- CASE 2617: Application of Continental Oil Company for a dual completion, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Rattlesnake Well No. 140, located in Unit H of Section 11, Township 29 North, Range 19 West, San Juan County, New Mexico, as a dual completion (conventional) in the Organ Rock and Pennsylvanian-Paradox formations in the Rattlesnake-Pennsylvanian Field, with the production of oil and gas from the Pennsylvanian-Paradox formation to be through 2 7/8-inch tubing at a depth of 6658 to 6710 feet, Applicant proposes to dispose of salt water into the Organ Rock formation at a depth of 4175 to 4320 feet through a parallel string of 2 7/8 inch tubing.

Carper  
12-1-58(2)  
H.B.U.

R-31-E

Pan American  
"Greenwood Unit"  
T B  
3635 W P

Pan American-1/2  
Continental-1/2  
10-1-62(3)

Cont.  
10-1-62(3)

R-32-E

LEA COUNTY

T  
19  
S

N.M. 2481  
160 Ac.  
2-28-63(3)  
Apr. Rts below 3600'  
P.D.S.

Cont.  
2-1-63(2)

Cont. 1/2  
Pan American-1/2  
10-1-62(3)

Pan American  
"Greenwood Unit"  
B  
NM 1650  
(161.64 Ac.)  
80,805 Ac.  
8-31-64(2)  
P.D.S.

Pen Am  
10-1-62

"Payne-Fed."

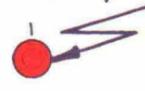
Cont.-1/2  
Pan Am-1/2  
4-1-63(2)

NM 1650  
(161.64 Ac.)  
80,805 Ac.  
8-31-64(2)  
P.D.S.

NM 1639-B  
(410.87 Ac.)  
160 Ac.  
6-30-63(3)  
P.D.S.  
"A"

"Kelly-Fed"

Proposed Triple Completion



NM 1652  
200 Ac.  
11-16-63  
P.D.S.

NM 1649-B  
(440.81 Ac.)  
40,814 Ac.  
6-30-63(3)  
P.D.S.

Kerr-McGee et al  
4-1-62

"Middleton-Fed"

State

Kerr-McGee et al  
6-1-61(2)

Phillips  
10-1-63

18

Kerr-McGee-1/2  
Phillips-1/2  
8-1-61

El Paso  
"Lusk"  
0 2 A  
3603

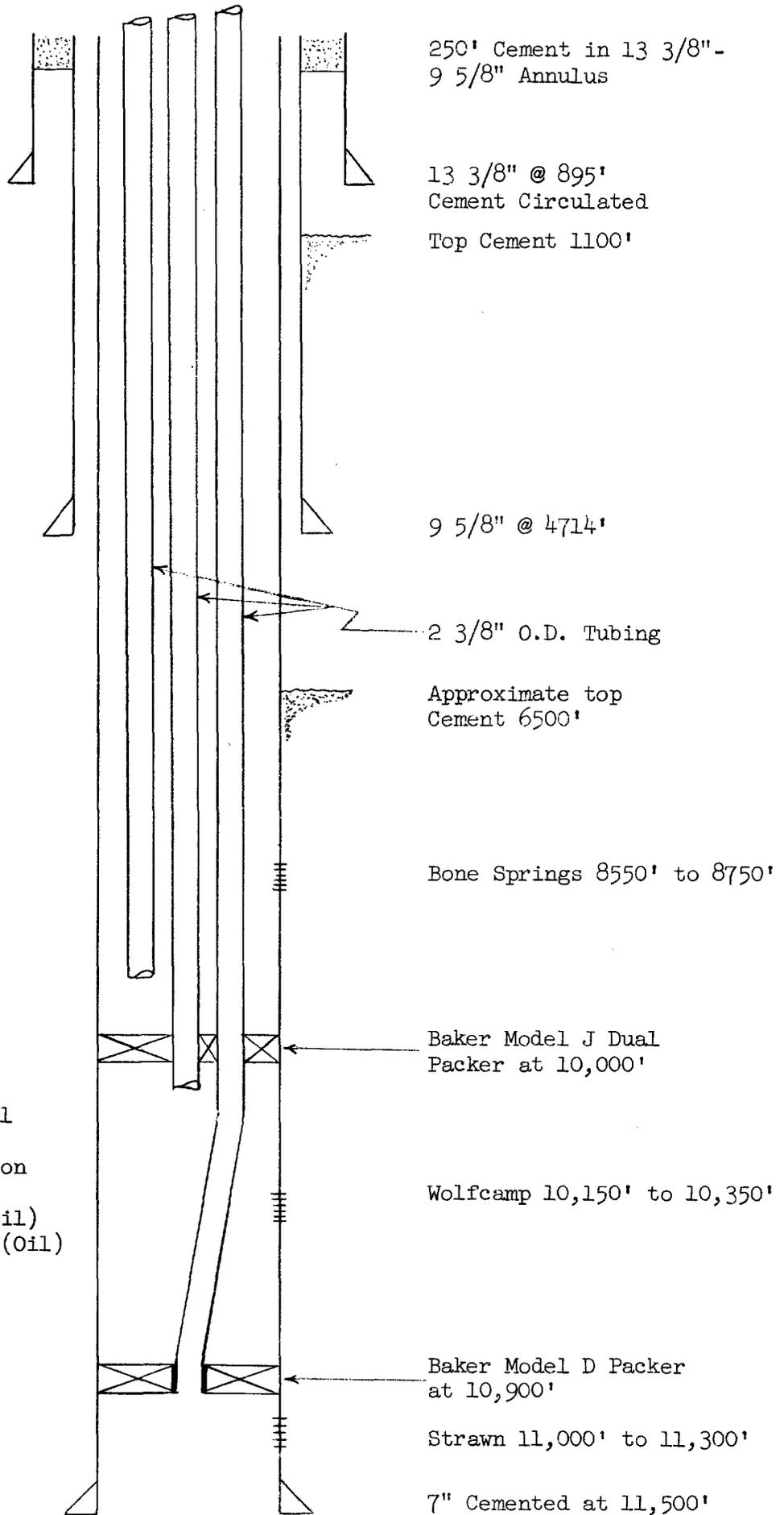
"Miller"

Delhi-Taylor

Delhi-Taylor

Case 2613

GREENWOOD AREA



250' Cement in 13 3/8\"-  
9 5/8\" Annulus

13 3/8\" @ 895'  
Cement Circulated  
Top Cement 1100'

9 5/8\" @ 4714'

2 3/8\" O.D. Tubing

Approximate top  
Cement 6500'

Bone Springs 8550' to 8750'

Baker Model J Dual  
Packer at 10,000'

Wolfcamp 10,150' to 10,350'

Baker Model D Packer  
at 10,900'

Strawn 11,000' to 11,300'

7\" Cemented at 11,500'

SHELL OIL COMPANY  
MIDDLETON FEDERAL "A"-1  
Diagrammatic Sketch  
Proposed Triple Completion  
Lusk Strawn (Oil)  
Wolfcamp Undesignated (Oil)  
Bone Springs Undesignated (Oil)  
Lea County, New Mexico

*Case 2613*