

CASE 2541: Application of J.GLENN
TURNER for a dual completion of
its BALLARD WELL NO. 11-15.

25410.

2541

tion, Transcript,

all Exhibits, Etc.

GOVERNOR
EDWIN L. MECHEM
CHAIRMAN

State of New Mexico
Oil Conservation Commission

LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER



STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

P. O. BOX 871
SANTA FE

May 3, 1962

Mr. Oliver Seth
Seth, Montgomery, Federici & Andrews
Box 828
Santa Fe, New Mexico

Re: Case No. 2541
Order No. R-2231
Applicant:
J. Glenn Turner

Dear Sir:

Enclosed herewith are two copies of the above-referenced
Commission order recently entered in the subject case.

Very truly yours,

A. L. Porter, Jr.

A. L. PORTER, Jr.
Secretary-Director

ir/

Carbon copy of order also sent to:

Hobbs OCC X

Artesia OCC

Aztec OCC X

OTHER

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. 2541
Order No. R-2231

APPLICATION OF J. GLENN TURNER
FOR A DUAL COMPLETION, SAN JUAN
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on April 25, 1962, at Santa Fe, New Mexico, before Elvis A. Utz, 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 3rd day of May, 1962, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, 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, J. Glenn Turner, seeks permission to complete his Ballard Well No. 11-15 located in Unit D of Section 15, Township 26 North, Range 9 West, NMPM, San Juan County, New Mexico, as a dual completion (conventional) in the Basin-Dakota Gas Pool and in an undesignated Gallup oil pool with the production of gas from the Dakota formation and the production of oil from the Gallup formation to be through parallel strings of 2 1/16-inch tubing.

(3) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

(4) That approval of the subject application will neither cause waste nor impair correlative rights.

-2-

Case No. 2541

Order No. R-2231

IT IS THEREFORE ORDERED:

(1) That the applicant, J. Glenn Turner, is hereby authorized to complete his Ballard Well No. 11-15 located in Unit D of Section 15, Township 26 North, Range 9 West, NMPN, San Juan County, New Mexico, as a dual completion (conventional) in the Basin-Dakota Gas Pool and in an undesignated Gallup oil pool with the production of gas from the Dakota formation and the production of oil from the Gallup formation to be through parallel strings of 2 1/16-inch tubing.

PROVIDED HOWEVER, That the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations.

PROVIDED FURTHER, That the applicant shall conduct packer-leakage tests upon completion and annually thereafter during the Annual Deliverability Test Period for the Dakota formation, and at such other times as the Secretary-Director of the Commission may prescribe.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



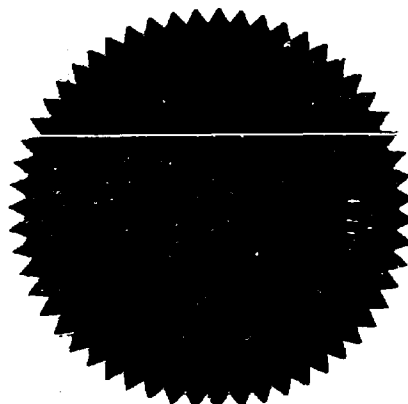
EDWIN L. MECHEM, Chairman



E. S. WALKER, Member



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



ix/

Case 2541

Heard. # 25-62

Rec. 4-26-62

1. Grant J. Glenn Turner's request for a dual completion in ~~the~~ Angel-Peaks Gallup and the Basin Dakota pools. The Gallup is a $1\frac{1}{2}$ mile extension to Angels Peak.
2. Both zones will be flowed thru 2 1/2 inch tubing.
- ? → 3. The well is Turner - Ballard 12-15 unit D-15-26 N-9 W.
4. Use usual dual order.

Thos. H. F.

R.S. The Pictured Cliffs formation shall be adequately ~~per~~ ~~contained~~ ~~it~~ ~~the~~ presented from vertical communication behind the production string.

No. 13-62

DOCKET: EXAMINER HEARING - WEDNESDAY - APRIL 25, 1962

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

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

- CASE 2532: Application of Zapata Petroleum Corporation for two additional injection wells, Maljamar Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to convert its Phillips 8-B Wells No. 3 and 5 located respectively in Units H and B, Section 19, Township 17 South, Range 33 East, Lea County, New Mexico, to water injection wells in its pilot waterflood project in the Maljamar (Grayburg-San Andres) Pool authorized by Order No. R-2157.
- CASE 2533: Application of Amerada Petroleum Corporation for a pressure maintenance project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a pressure maintenance project in that portion of the Saunders Permo-Pennsylvanian Pool underlying the S/2 S/2 of Section 3 and N/2 of Section 10, Township 15 South, Range 33 East, Lea County, New Mexico, with the injection of water into the Pennsylvanian formation initially to be through one well located in the NE/4 NW/4 of said Section 10.
- CASE 2534: Application of Amerada Petroleum Corporation for a quadruple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its State NJ "A" Well No. 3 located in Unit A of Section 2, Township 25 South, Range 37 East, Lea County, New Mexico, as a quadruple completion (combination) in the San Andres, Blinbry, Drinkard and Devonian formations in the North Justis Field with the production of oil from the Devonian and Drinkard formations to be through separate strings of 1 1/2-inch tubing set within parallel strings of 3 1/2-inch casing, and the production of oil from the Blinbry formation through a parallel string of 2 7/8-inch casing; applicant proposes to dispose of salt water into the San Andres formation through a parallel string of 2 3/8-inch casing.
- CASE 2535: Application of Amerada Petroleum Corporation for a quadruple completion and a non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its L. G. Warlick "A" Well No. 1, located in Unit I of Section 19, Township 21 South, Range 37 East, Lea County, New Mexico, as a quadruple completion

(combination) in the Eumont Gas, Blinebry Oil, Penrose-Skelly Oil and Drinkard Oil Pools with the production of oil from the Drinkard and Penrose-Skelly formations to be through parallel strings of 2 7/8-inch casing, the production of oil from the Blinebry formation through a string of 1 1/4-inch tubing set within another parallel string of 2 7/8-inch casing and the production of gas from the Eumont formation through the casing-tubing annulus. Applicant further seeks the establishment of a 160-acre non-standard gas proration unit in the Eumont Gas Pool comprising the S/2 NE/4 and the N/2 SE/4 of said Section 19, said unit to be dedicated to said L. G. Warlick "A" Well No. 1.

CASE 2536:

Application of William A. & Edward R. Hudson for a secondary recovery project, Maljamar Pool, Eddy County, New Mexico. Applicants, in the above-styled cause, seek permission to institute a secondary recovery project in the Maljamar Pool in an area underlying their Puckett "A" and "B" Leases located in Section 24, Township 17 South, Range 31 East, Eddy County, New Mexico, with the injection of water into the Grayburg-San Andres formation initially to be through six wells, said project to be governed by the provisions of Rule 701.

CASE 2537:

Application of J. C. Williamson for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Westates-Federal Well No. 8 located in Unit E of Section 1, Township 25 South, Range 37 East, Lea County, New Mexico, as a dual completion (conventional) in the North Justis-McKee Pool and an undesignated Montoya pool with the production of oil from both zones to be through parallel strings of tubing.

CASE 2538:

Application of Southwest Production Company for a non-standard oil proration unit, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of a 73.89-acre non-standard oil proration unit in the Cha Cha-Gallup Oil Pool comprising the NE/4 SE/4 and that portion of the NW/4 SE/4 lying North of the mid-channel of the San Juan River, of Section 16, Township 29 North, Range 14 West, San Juan County, New Mexico, said unit to be dedicated to the Foutz-State Well No. 1, located 1912 feet from the South line and 2310 feet from the East line of said Section 16.

CASE 2539: Application of Pan American Petroleum Corporation for an exception to Order No. R-333-E, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-333-E to permit the extension of the terminal date for the 1961 deliverability test period from December 15, 1961, to March 1, 1962, for ten wells located in Townships 27 and 28 North, Ranges 10 and 11 West, San Juan County, New Mexico.

CASE 2540: 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 State "CK" Well No. 2, located in the NE/4 SW/4 of Section 19, Township 21 South, Range 37 East, Lea County, New Mexico, as a triple completion in the Drinkard, Blinebry and Paddock Oil Pools with the production of oil from the Blinebry and Drinkard formations and the production of undetermined hydrocarbons from the Paddock formation.

CASE 2541: Application of J. Glenn Turner for a dual completion, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Ballard Well No. 11-15 located in Unit D of Section 15, Township 26 North, Range 9 West, San Juan County, New Mexico, as a dual completion (conventional) in the Basin-Dakota Gas Pool and an undesignated Gallup oil pool with the production of gas from the Dakota formation and the production of oil from the Gallup formation to be through parallel strings of 2 1/16-inch tubing.

CASE 2542: Application of La Plata Gathering System, Inc. for a dual completion, a non-standard gas proration unit, and an unorthodox gas well location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete a gas well to be located at an unorthodox gas well location 1980 feet from the South line and 734 feet from the East and West lines of Section 19, Township 32 North, Range 5 West, Rio Arriba County, as a dual completion (conventional) in the Blanco-Mesaverde and Basin-Dakota Gas Pools with the production of gas from the Dakota formation to be through a string of 2 1/16-inch tubing and the production of gas from the Mesaverde formation to be through a parallel string of 1 1/2-inch tubing. Applicant further seeks the establishment of a 355.25-acre non-standard gas proration unit in the aforesaid pools comprising all of Sections 18 and 19, in said township to be dedicated to the above-described well.

- CASE 2543: Application of G. W. Strake for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its LeBow-Federal Well No. 6 located in Unit I of Section 25, Township 19 South, Range 30 East, Eddy County, New Mexico, as a dual completion (conventional) in the North Hackberry-Yates and Hackberry-Seven Rivers Pools with the production of oil from both formations to be through parallel strings of 2 1/16-inch tubing.
- CASE 2544: Application of Perry R. Bass for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Plains Unit Agreement embracing 7,198.01 acres, more or less, of federal lands in Township 19 South, Range 32 East, Lea County, New Mexico.
- CASE 2545: Application of The British American Oil Producing Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Jalmat Field-Yates Sand Unit Agreement embracing 2,760 acres, more or less, of State and fee lands in Township 22 South, Range 35 East, Lea County, New Mexico.
- CASE 2546: Application of The British American Oil Producing Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a waterflood project in the Yates formation in the Jalmat Pool in an area underlying its proposed Jalmat Field-Yates Sand Unit Area, comprising 2,760 acres, more or less, in Township 22 South, Range 35 East, Lea County, New Mexico, with injection of water initially to be through 16 wells located within said unit area, the project to be governed by the provisions of Rule 701.

J. GLENN TURNER

MAIN OFFICE 000

1962 APR 12 AM 8:23

OIL AND GAS INVESTMENTS
1900 MERCANTILE DALLAS BUILDING
DALLAS 1, TEXAS

March 30, 1962

Mr. A. L. Porter, Jr., Secretary
New Mexico Oil Conservation Commission
Post Office Box 1721
Santa Fe, New Mexico

Dear Mr. Porter:

J. Glenn Turner hereby requests an exception to Rule 112-A I, for administrative approval of the Dual Completion of the Ballard No. 11-15 well, located in Unit "D", Section 15, Township 26 North, Range 9 West, San Juan County, New Mexico. This well has been completed dually in the Angels Peak Gallup (Extension) Pool and the Basin Dakota Pool.

Enclosed is one copy of the Induction Log run on this well together with two copies of "Application for Dual Completion", Diagrammatic Sketch of Dual Completion and Plat showing the location on all wells of Applicant's leases and all offset wells on offset leases, together with the names and addresses of offset operators. The offset operators have been notified of this application and have been requested to submit "Waivers" to the Dual Completion of this well. The Packer Leakage test is presently being conducted and will be submitted at such time as it has been completed.

Yours very truly,

Walter M. Kilgo
Walter M. Kilgo

WMK:ss
Enclosures

*Rec'd
4/12/62*

*Letter 4/12/62 for hearing
Satisfactory for
Administrative procedure*

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

APPLICATION FOR DUAL COMPLETION

Field Name **Basin Dakota and Angels Peak** County **San Juan** Date **March 27, 1962**
Gallup (Extension)

Operator **J. Glenn Turner** Lease **Ballard** Well No. **11-15**

Location Unit **D** Section **15** Township **26 North** Range **9 West**
of Well

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 **X** NO

2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.:
El Paso Natural Gas Company Huerfano Unit No. 111 F-20-HN-9W

3. The following facts are submitted:

	Upper Zone	Lower Zone
a. Name of reservoir	Gallup	Dakota
b. Top and Bottom of Pay Section (Perforations)	5824' - 40' 5728' - 90'	6516'-48'; 6412'-32'
c. Type of production (Oil or Gas)	Oil	Gas
d. Method of Production (Flowing or Artificial lift)	Flowing	Flowing

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.

Yes 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.

El Paso Natural Gas Company, P. O. Box 990, Farmington, New Mexico
Pan American Petroleum Company, Petroleum Center Building, Farmington, New Mexico
American Petrofina Oil Company, P. O. Box 2159, Dallas, Texas
Mobil Oil Company, P. O. Box 3371, Durango, Colorado
Rock Island Oil & Refining Company, 321 W. Douglas Avenue, Wichita 2, Kansas

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 **March 27, 1962**

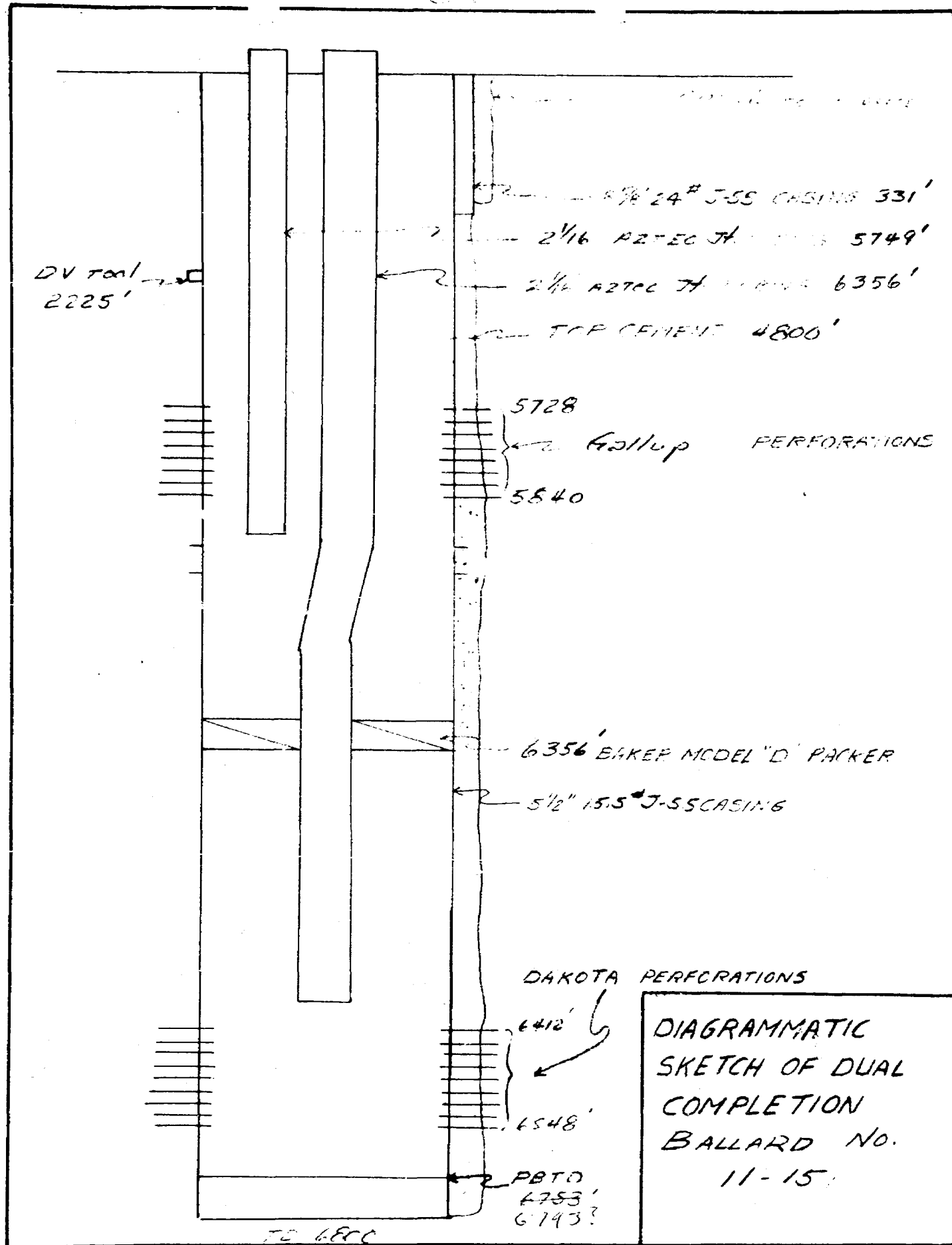
CERTIFICATE: I the undersigned, state that I am the **Petroleum Engineer** of the **J. Glenn Turner** (company), and that I am authorized by said company to make this report and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.


W. M. Kilgo
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 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.

Case 541

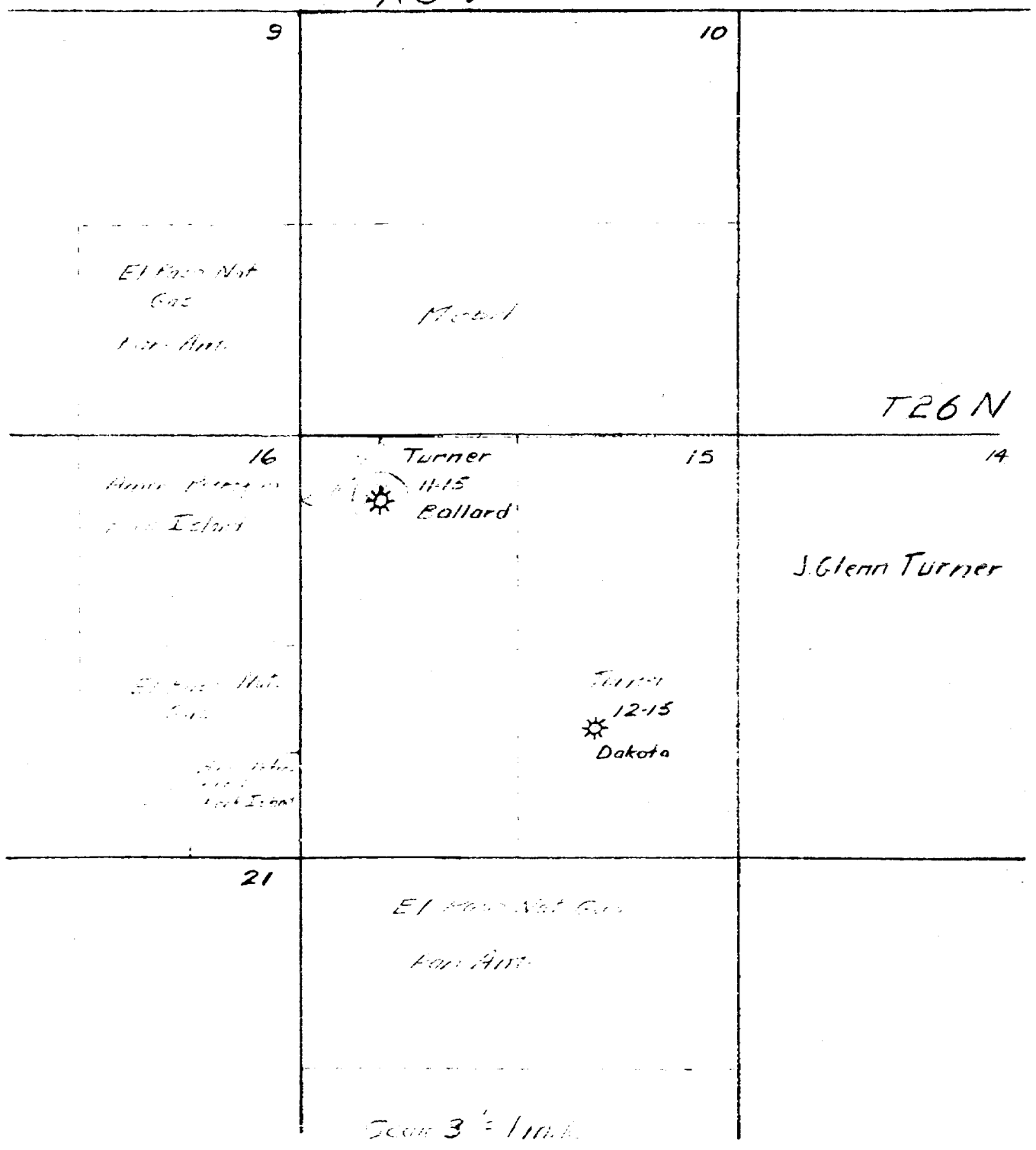


DIAGRAMMATIC
SKETCH OF DUAL
COMPLETION
BALLARD NO.
11-15

Case
2541

Exhibit "A"

R 9 W



J. GLENN TURNER

March 30, 1962

MAIN OFFICE OCC
1962 APR 3 PM 1:16

OIL AND GAS-INVESTMENTS
1900 MERCANTILE DALLAS BUILDING
DALLAS 1, TEXAS

Mobil Oil Company
Post Office Box 3371
Durango, Colorado

Attention: Mr. Phillip Barry

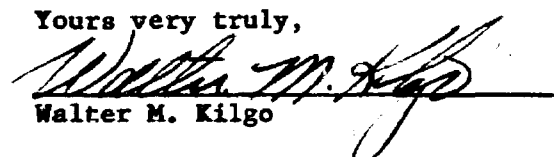
Gentlemen:

J. Glenn Turner has applied to the New Mexico Oil Conservation Commission for administrative approval to perform a Gallup-Dakota Dual Completion on its Ballard No. 11-15 well, located in Section 15, Township 26 North, Range 9 West, San Juan County, New Mexico.

You are hereby notified of the proposed dual completion in accordance with the provisions of Section IV, Rule 112-A of Order R-1957. If you have no objections to the proposed dual completion, please indicate your approval by signing and returning one copy of this letter to the New Mexico Oil Conservation Commission, P. O. Box 1721, Santa Fe, New Mexico; one copy to the New Mexico Oil Conservation Commission, 1000 Rio Brazos Road, Aztec, New Mexico and one copy to the undersigned.

For your convenience, addressed envelopes are enclosed, as well as, "Application for Dual Completion", Diagramatic Sketch of Dual Completion, and Plat showing Proposed Dual Completion.

Yours very truly,


Walter M. Kilgo

WMK:ss
Enclosures

APPROVAL RECOMMENDED:


MOBIL OIL COMPANY


DATE

OIL CONSERVATION COMMISSION
Aztec DISTRICT

1962 APR 2 AM 8:20

2541

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

DATE April 2, 1962

Re: Proposed NSP _____

Proposed NWU _____

Proposed NSL _____

Proposed NFO _____

Proposed DC XXX

Gentlemen:

I have examined the application dated March 27, 1962
for the J. Glenn Turner Ballard #11-15 D-15-26N-9W
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

Approve

Yours very truly,

A. R. Kendrick
A. R. Kendrick

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

APPLICATION FOR DUAL COMPLETION

Well Name <u>Basin Dakota and Angels Peak</u>					Date <u>March 27, 1962</u>
Operator <u>J. Glenn Turner</u>					Lease <u>Ballard</u>
Location of Well					Range <u>11-11</u>
Unit <u>5</u>	Section <u>15</u>	Township <u>26 North</u>			
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? <u>YES</u> <u>X</u> <u>NO</u>					
2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.: <u>El Paso Natural Gas Company Baseline Unit No. 111</u>					
3. The following facts are submitted:		Upper Zone	Lower Zone		
a. Name of reservoir		<u>Gallup</u>	<u>Dakota</u>		
b. Top and Bottom of Pay Section (Perforations)		<u>3024' - 40'; 3726' - 70'</u>	<u>6316' - 48'; 6412' - 32'</u>		
c. Type of production (Oil or Gas)		<u>Oil</u>	<u>Gas</u>		
d. Method of Production (Flowing or Artificial lift)		<u>Flowing</u>	<u>Flowing</u>		
4. The following are attached. (Please mark YES or NO)					
<u>Yes</u>	a. Diagrammatic Sketch of the Dual Completion, showing, all casing strings, and their size and setting, top of cement, perforated intervals, casing strings, including diameters and setting depth, location and type of packers and side door and/or, and such other information as may be pertinent.				
<u>Yes</u>	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 situated on applicant's lease.				
<u>Yes</u>	c. Waivers consenting to such dual completion from all offset operators, or in lieu thereof, evidence that said offset operators have been furnished copies of this application.				
<u>Yes</u>	d. Electrical log of the well or other acceptable log with zones and intervals of production 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 110-1.1				
e. List all offset operators to the lease on which this well is located together with their correct mailing address.					
<u>El Paso Natural Gas Company, P. O. Box 990, Farmington, New Mexico</u>					
<u>Pan American Petroleum Company, Petroleum Center Building, Farmington, New Mexico</u>					
<u>American Petroleum Oil Company, P. O. Box 1139, Dallas, Texas</u>					
<u>Mobil Oil Company, P. O. Box 1371, Durango, Colorado</u>					
<u>Rock Island Oil & Refining Company, 121 W. Douglas Avenue, Wichita 2, Kansas</u>					

5. 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 March 27, 1962

Signature: The undersigned, state that I am the **Petroleum Engineer** (company), and that I am authorized by said company to send 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.

[Signature] **W. M. Xilgo**
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 or request for hearing is received by the Santa Fe office, the application will be approved.

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

March 30, 1962

El Paso Natural Gas Company
Post Office Box 990
Farmington, New Mexico

Attention: Mr. W. G. Cutler

Gentlemen:

J. Glenn Turner has applied to the New Mexico Oil Conservation Commission for administrative approval to perform a Gallup-Baheta Dual Completion on its Ballard No. 11-15 well located in Section 15, Township 25 North, Range 9 West, San Juan County, New Mexico.

You are hereby notified of the proposed dual completion in accordance with the provisions of Section IV, Rule 112-A of Order R-1957. If you have no objections to the proposed dual completion, please indicate your approval by signing and returning one copy of this letter to the New Mexico Oil Conservation Commission, P. O. Box 1721, Santa Fe, New Mexico; one copy to the New Mexico Oil Conservation Commission, 1000 Rio Pecos Road, Aztec, New Mexico and one copy to the undersigned.

For your convenience addressed envelopes are enclosed, as well as, "Application for Dual Completion", Diagrammatic Sketch of Dual Completion, plat showing proposed dual completion.

Yours very truly,


Walter M. Kilgo

WMK:so

APPROVAL RECOMMENDED:


EL PASO NATURAL GAS COMPANY

4/2/62
DATE

March 30, 1962

Rock Island Oil and Refining Company
321 West Douglas Avenue
Wichita 2, Kansas

Attention: Mr. C. C. Chapin

Gentlemen:

J. Glenn Turner has applied to the New Mexico Oil Conservation Commission for administrative approval to perform a Gallup-Bakota Dual Completion on its Ballard No. 11-15 well, located in Section 15, Township 26 North, Range 9 West, San Juan County, New Mexico.

You are hereby notified of the proposed dual completion in accordance with the provisions of Section IV, Rule 112-A of Order R-1957. If you have no objections to the proposed dual completion, please indicate your approval by signing and returning one copy of this letter to the New Mexico Oil Conservation Commission, P. O. Box 1721, Santa Fe, New Mexico; one copy to the New Mexico Oil Conservation Commission, 1000 Rio Brancos Road, Altec, New Mexico and one copy to the undersigned.

For your convenience, addressed envelopes are enclosed, as well as, "Application for Dual Completion", Diagrammatic Sketch of Dual Completion, and Plat showing Proposed Dual Completion.

Yours very truly,


Walter M. Kilgo

WMK:es
Enclosures

APPROVAL REQUIRED:


ROCK ISLAND OIL AND REFINING COMPANY

DATE

March 30, 1962

American Petroleum Oil Company
Post Office Box 2159
Dallas, Texas

Gentlemen:

J. Glenn Turner has applied to the New Mexico Oil Conservation Commission for administrative approval to perform a Gallup-Bakota Dual Completion on its Ballard No. 11-15 well, located in Section 15, Township 26 North, Range 9 West, San Juan County, New Mexico.

You are hereby notified of the proposed dual completion in accordance with the provisions of Section IV, Rule 112-A of Order R-1957. If you have no objections to the proposed dual completion, please indicate your approval by signing and returning one copy of this letter to the New Mexico Oil Conservation Commission, P. O. Box 1721, Santa Fe, New Mexico; one copy to the New Mexico Oil Conservation Commission, 1000 Rio Grande Road, Altec, New Mexico and one copy to the undersigned.

For your convenience, addressed envelopes are enclosed, as well as, "Application for Dual Completion", Diagrammatic Sketch of Dual Completion, and Flat showing Proposed Dual Completion.

Yours very truly,


Walter H. Kilgo

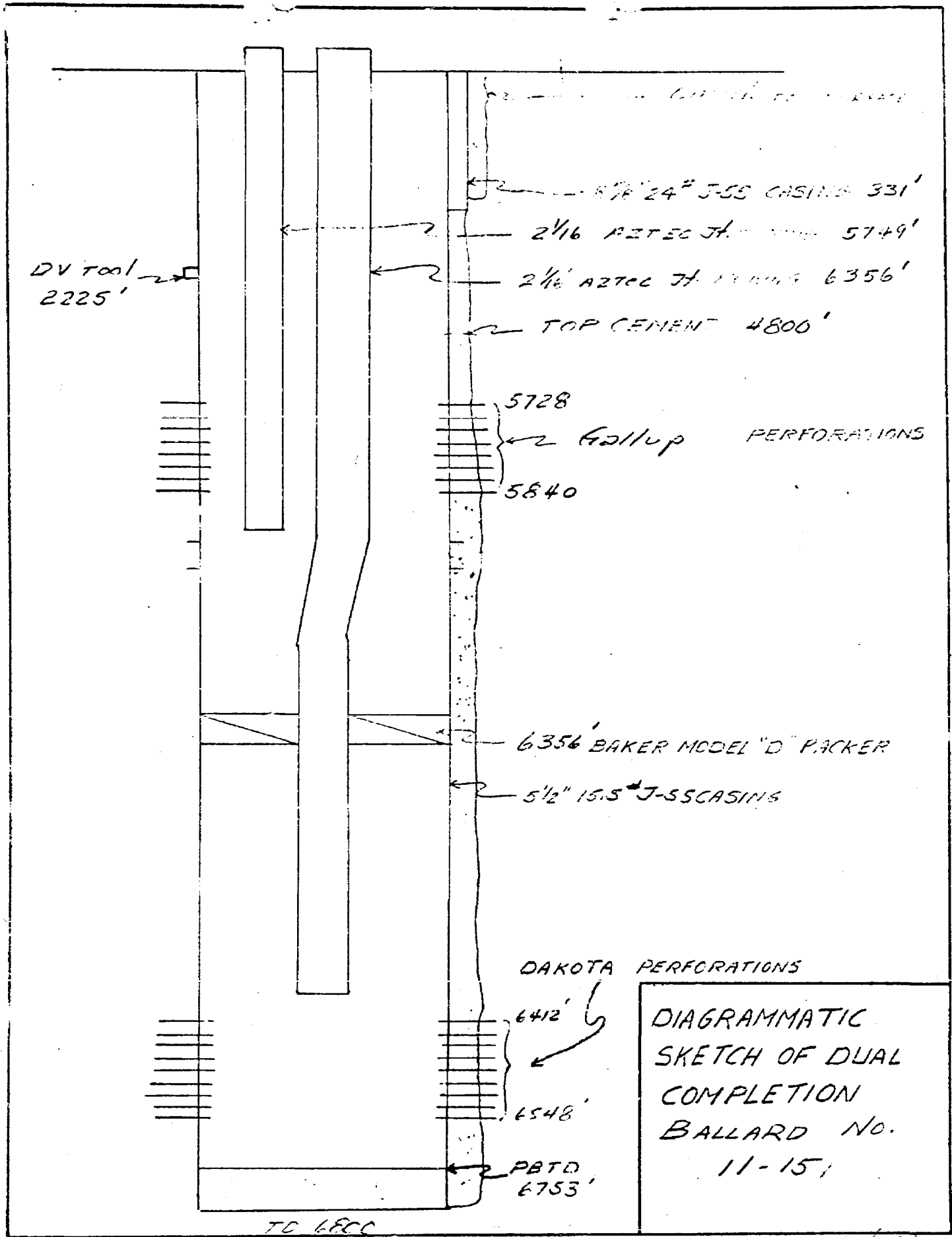
WHE:ee
Enclosures

APPROVAL RECEIVED:


AMERICAN PETROLEUM OIL COMPANY

4/9/62
DATE

2541

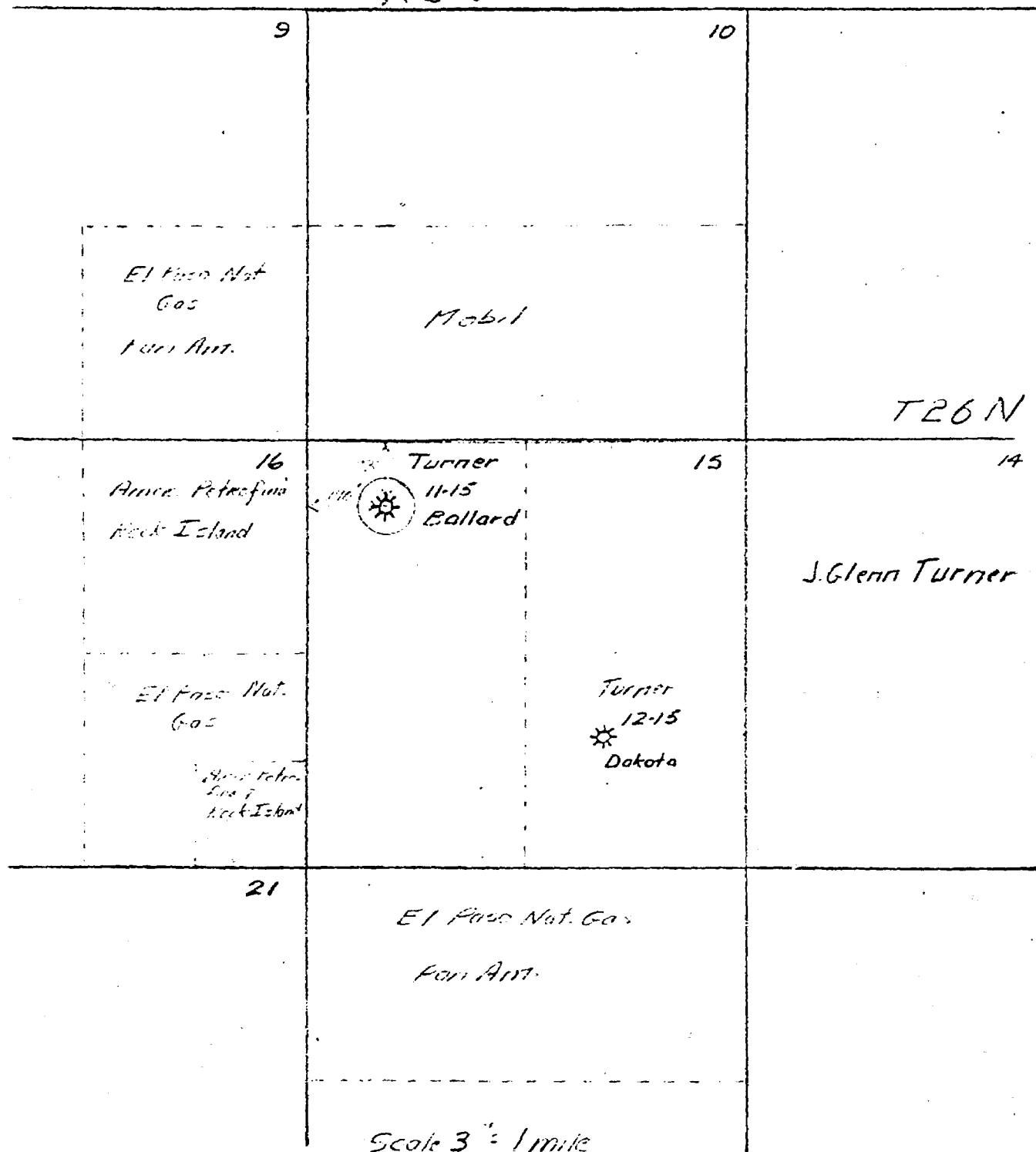


Turner Exhibit 2
CLC 5541

2541

Exhibit "A"

R 9 W



Turner Exhibit 1

Gas 2541

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
April 25, 1962

IN THE MATTER OF:

Application of J. Glenn Turner for a dual completion, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Ballard Well No. 11-15 located in Unit D of Section 15, Township 25 North, Range 9 West, San Juan County, New Mexico, as a dual completion (Conventional) in the Basin-Dakota Gas Pool and an undesignated Gallup oil pool with the production of gas from the Dakota formation and the production of oil from the Gallup formation to be through parallel strings of 2 1/16 inch tubing.

CASE
2541

BEFORE:

Elvis A. Utz, Examiner.

TRANSCRIPT OF HEARING

MR. UTZ: The hearing will come to order. Case 2541.

MR. MORRIS: Application of J. Glenn Turner for a dual completion, San Juan County, New Mexico.

MR. FEDERICI: Bill Federici and Oliver Seth for the applicant. We have one well-known witness.

MR. UTZ: Are there any other appearances in this case? Would you like to stand and be sworn, please.

(Witness sworn)

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MR. FEDERICK: Mr. Utz, this is an application for a dual completion of the Ballard Well Number 11-15, Section 15, 26 North, 9 West, this is a gas oil dual completion. FRANK BARNES, called as a witness, having been first duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. FEDERICK:

Q Mr. Barnes, would you give us the details on this data on this well?

A This is a relative simple case which has one unique aspect to it, the operator, J. Glenn Turner, is seeking approval of what is a normal dual completion which would come under Order R-14100. The well is located inside the boundaries of the Basin-Dakota Gas Pool. However, the operator encountered commercial production in the Gallup sandstone on the way down and the well was completed in this zone also at 5728 to 5840 feet. The well is not in any designated Gallup Oil Pool, being one and a half miles East of the Angels Peak Gallup Oil Pool.

Q Excuse me, do you have an exhibit showing the location of the well?

(Whereupon, Applicant's Exhibit Number 1 marked for identification.)

Q I hand you what has been marked Exhibit Number 1,



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and ask you if that's a plot of the well location?

A Exhibit 1 or Exhibit A --

Q It's been marked Exhibit 1.

A Exhibit 1, let me change this then. That is correct. That shows the location of the well in Township 26 North, Range 9 West.

Q Proceed with your discussion.

A It's presumed by the operator that this well represents actually an extension of the Angels Peak Gallup Oil Pool, but it isn't a designated pool at the present time. The operator wants to dually complete the well in accordance with what is standard and normal practice in the area, the Gallup oil to be produced through 2 and 1/16 inch tubing set at 5749 feet, and a Dakota sandstone gas to be produced through 2 and 1/16 inch tubing through a Baker packer set at 6,356 feet.

Q Do you have a diagrammatic sketch of the completion?

A Yes, I have a diagrammatic sketch.

(Whereupon, Applicant's Exhibit 2 marked for identification)

Q This has been marked Turner Exhibit Number 2. Is that the sketch that you are referring to?

A That's correct. That shows the essential completion that was used on this well.

Q Go ahead.



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A The well was drilled on or about March 25, 1952 and it was actually completed on or about May 1, 1952. The well was completed for an initial production of 2,470,000 cubic feet of gas per day from the Dakota sandstone, and 40 barrels of oil a day from the Gallup sandstone. The well was drilled to a total depth of 5,600 feet and has a plugged back total depth of 5,725 feet. 8 and 5/8 inch surface casing was set at 551 feet with 400 sacks of cement which was circulated back up to the surface and a five and a half inch production string was cemented with 350 sacks of cement at 5,793 feet. Temperature logs surveys determined at the top of the cement is at 4,300 feet. There are four potential producing horizons in the area: the Pictured Cliff sandstone, the top of which was at 1,970 feet; the Mesaverde, the top of which is at 3,410 feet; the Dakota sandstone, the top of which was at 5,793 feet; and the Gallup sandstone, the top of which was encountered at 5,725 feet. At the present time the well has been completed and is shut in awaiting a pipeline connection and permission from the State Oil Commission to go ahead and produce their oil and gas.

Q Did you give us the producing zones?

A The producing zones in the well as previously stated, are the Gallup sandstone, which interval was encountered between 5,728 and 5,840 feet, which was perforated at 4 shots per foot, the Dakota sandstone, which was perforated between 5,412 and 6,538 feet and also perforated with four shots per



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Q. Now.

A. In your opinion, will this completion have produced any comingling of the production water in the two zones, Mr. Harmon?

A. Yes, it's a completion that has been used in the area previously in their wells and there's no reason why there should be any damage to either formation, one from the other, or any comingling of the gas and oil, one from the other.

Q. Is the packer proposed to be used of a standard type?

A. Yes, sir, it is.

Q. Has the experience in this area been good with this type of completion, as far as mechanical aspects are concerned?

A. Yes, sir, as far as mechanical aspects are concerned, it's been a very successful type of completion in the area.

Q. Can the Gallup zone be pumped in the event it becomes necessary to do so?

A. Since the 2 and 1/16 inch tubing has been hung above the packer, it would be possible to pump through the tubing, or swab through the tubing, if additional stimulation or change in production method was required.

Q. As far as we know now, the Gallup is flowing, is that correct?

A. Yes, both zones are flowing at the present time.

Q. Is there anything further you would like to mention



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In connection with this case?

A No, I believe that's all. I might say that actually if it wasn't for the fact that they extended the Gallup oil pool in there, there wouldn't really be any problem in here, it would be just a perfectly normal completion inside the pool. That's what makes it a rather unique well at the moment.

Q Do Exhibit 1 and 2 fairly represent what they purport to show?

A Yes, they do.

MR. FEDERICI: We would like to offer the exhibits, Mr. Utz.

MR. UTZ: Without objection the exhibits 1 and 2 will be entered into the record of this case.

(Whereupon, Applicant's Exhibits 1 and 2 admitted to the record)

MR. FEDERICI: That's all the questions I have.

CROSS EXAMINATION

BY MR. UTZ:

Q Mr. Barnes, I believe you said the top of the Pictured Cliff was 1,917?

A That's correct.

Q Are there any other producing zones between the bottom of the surface casing at 331 and the top of the cement at 4,800?

A As far as we know, the cement placement in the well



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was such as to protect any and prevent coning of fluids from any other potential producing formation in the area. The annulus outside the casing between the production string and the wall of the hole was left filled with heavy drilling mud to prevent any movement of fluid one way or the other.

Q Do you know whether or not there is any Chacra developed in the Lewis shale in this area?

A The Chacra sandstone is present throughout this area, but in this particular well, as far as I know, there's no commercial development of this sand.

Q Do you feel that the mud behind the five and a half inch casing above the 4,400 foot level is sufficient to prevent any possible communication vertically?

A Yes, I do.

MR. UTZ: Any other questions of the witness? The witness may be excused.

(Witness excused)

MR. UTZ: Any statements in this case? The case will be taken under advisement.



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COUNTY OF BERNALILLO)

ss

I, ADA DEARNLEY, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing was reported by me in Stenotype and that the same was reduced to typewritten transcript under my personal supervision and contains a true and correct record of said proceedings, to the best of my knowledge, skill and ability.

DATED this 25th day of April, 1962, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

Ada Dearnley
NOTARY PUBLIC

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. 2541... heard by me on *April 25, 1962*

Frank H. [Signature] Examiner
New Mexico Oil Conservation Commission

