

CASE 6291: MESA PETROLEUM CO. FOR A  
TRIPLE COMPLETION, SAN JUAN COUNTY, NEW  
MEXICO

CASE NO.

629/

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APPLICATION,  
TRANSCRIPTS,  
SMALL EXHIBITS,

ETC.

## NEW MEXICO OIL CONSERVATION COMMISSION

## EXAMINER HEARING

SANTA FE, NEW MEXICO

Hearing Date AUGUST 16, 1978 TIME: 9:00 A.M.

NAME	REPRESENTING	LOCATION
Patricia Buchanan	Amoco	Houston
Richard L. Merrill	Amoco	Houston
Joe W. Burke	"	"
Robert H. Strand	Harvey E. Yates Company	Roswell
James C. Allen	Amoco	Houston
G. F. Mott	Cities Service	MIDLAND
Don Reed	E P N G	Farmington
AR Kendrick	O & D	Albuquerque
Tom Kellahan	Kellahan & Fox	Santa Fe
Paul H. Benchell	El Paso Natural Gas	El Paso, TX
DAVID T. BURLESON	El Paso Natural Gas Co.	El Paso, TX
Boris Kell	White Rock et al	D.F.
Raymond Yates	Yates Petroleum	Artesia
David Sharle	Yates Petroleum	Artesia
D. Lopez	Lower Reservoir & Wickham	"
J. E. Chapman Jr.	El Paso Nat Gas Co.	Santa Fe



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
State Land Office Building  
Santa Fe, New Mexico  
16 August 1978

EXAMINER HEARING

IN THE MATTER OF:

Application of Mesa Petroleum Co. for  
a triple completion, San Juan County,  
New Mexico.

CASE  
6291

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation  
Division:

Lynn Teschendorf, Esq.  
Legal Counsel for the Division  
State Land Office Bldg.  
Santa Fe, New Mexico 87501

For the Applicant:

Michael B. Campbell, Esq.  
CAMPBELL, BINGAMAN & BLACK  
Jefferson Plaza  
Santa Fe, New Mexico 87501

SALLY WALTON BOYD  
CERTIFIED SHORTHAND REPORTER  
730 Bishop's Lodge Road • Phone (505) 988-3404  
Santa Fe, New Mexico 87501

I N D E X

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STAN DOBLER

Direct Examination by Mr. Campbell 3

Cross Examination by Mr. Stamets 6

E X H I B I T S

Applicant Exhibit One, Plat

Applicant Exhibit Two, Schematic

Applicant Exhibit Three, Packer test

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Santa Fe, New Mexico 87501

Page 3

1 MR. STAMETS: Call next Case 6291.

2 MS. TESCHENDORF: Case 6291. Application of  
3 Mesa Petroleum Company for a triple completion, San Juan  
4 County, New Mexico.

5 MR. STAMETS: Call for appearances in this  
6 case.

7 MR. CAMPBELL: Appearing on behalf of Mesa  
8 Petroleum Company, Michael Campbell, Campbell, Bingaman and  
9 Black, Santa Fe.

10 MR. STAMETS: I'd like to have all witnesses  
11 in this case stand and be sworn at this time.

12 (Witness sworn.)

13  
14 STAN DOBLER

15 being called as a witness and having been duly sworn upon  
16 his oath, testified as follows, to-wit:

17  
18 DIRECT EXAMINATION

19 BY MR. CAMPBELL:

20 Q. Would you please state your name?

21 A. Stan Dobler.

22 Q. And by whom are you employed and in what capa-  
23 city?

24 A. I'm employed by Mesa Petroleum Company, head-  
25 quartered in Amarillo, Texas, in the capacity of Drilling

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1 and Production Supervisor.

2 Q Have you previously testified before this Com-  
3 mission?

4 A No.

5 Q Would you please briefly relate your educational  
6 background?

7 A I graduated in 1964 from the Colorado School of  
8 Mines with a degree in Petroleum Engineering.

9 Q And would you please relate your employment  
10 background?

11 A I worked five years for Atlantic Richfield  
12 Company.

13 Q In what capacity?

14 A In California as a reservoir engineer and a  
15 drilling engineer.

16 After Atlantic Richfield I worked for six years  
17 for Kerr McGee as a district engineer, staff engineer, and  
18 drilling superintendent, and I've been with Mesa Petroleum  
19 for three years as Drilling and Production Supervisor.

20 MR. CAMPBELL: Mr. Examiner, will the witness'  
21 qualifications be accepted to testify in this case?

22 MR. STANETS: The witness is considered qualified.

23 Q (Mr. Campbell continuing.) Mr. Dobler, would  
24 you please explain what Meas seeks by its application in  
25 this case?

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1 A. Yes. Mesa Petroleum Company seeks permission  
2 for a conventional triple gas completion on the State Com  
3 "S" 15-A Well as a Mesaverde-Fruitland-Pictured Cliffs Zone  
4 triple gas completion.

5 Q. I am handing you what has been marked for  
6 identification as Mesa Exhibit Number One. Would you please  
7 identify and summarize that exhibit?

8 A. Okay. This exhibit serves two purposes. First,  
9 it spots the location of the well in Section 36 and then it  
10 also indicates the offset operators to this well. All the  
11 offset operators have been notified and have all of these  
12 exhibits.

13 Q. I hand you what has been marked as Mesa Exhibit  
14 Number Two, and would ask you to explain that exhibit.

15 A. Okay. This is a schematic drawing of the well  
16 completion indicating a single packer set above the Mesa-  
17 verde Zone, a string of tubing for the Mesaverde Zone pro-  
18 duction, a dual packer set between the Pictured Cliffs Zone  
19 and the Fruitland Zone, with an additional string of tubing  
20 for the PC Zone and then the Fruitland Zone, which will be  
21 produced up the annulus.

22 Q. Were Mesa's Exhibits Number One and Two prepared  
23 by you or under your supervision?

24 A. Yes, they were.

25 Q. Has Mesa Petroleum Company conducted a packer

1 leakage test for the well?

2 A. Yes, we have.

3 Q. Do you have the results of that test?

4 A. Yes.

5 Q. I hand you what has been marked as Mesa Exhibit  
6 Number Three and would ask you to identify and explain that  
7 exhibit.

8 A. Okay. This is the conventional packer leakage  
9 test which was conducted during May of 1978. It indicates  
10 that the shut in pressures are different on all three of  
11 the zones. It also indicated that there is no communication  
12 between any of the three zones at this time.

13 Q. In your opinion would the granting of the ap-  
14 plication prevent the drilling of unnecessary wells?

15 A. Yes, it would.

16 Q. To your knowledge has a triple completion in  
17 these formations been previously granted by the Commission?

18 A. Not to my knowledge in these three zones.

19 MR. CAMPBELL: That's all of the direct testi-  
20 mony I have, Mr. Examiner.

21

22 CROSS EXAMINATION

23 BY MR. STAMETS:

24 Q. Mr. Dobler, what's the tubing size or sizes to  
25 be run in this well?

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CERTIFIED SHORTHAND REPORTER  
730 Bishop's Lodge Road • Phone (505) 988-3404  
Santa Fe, New Mexico 87501

Page 7

1 A. We've got 2-3/8ths inch tubing for the Mesaverde  
2 and 2-1/16th inch tubing for the Pictured Cliffs Zone.

3 Q. Now, the Fruitland Zone, the upper zone going  
4 up the annulus, does that zone make any liquids?

5 A. It has not to this point, no.

6 Q. How about offsetting wells?

7 A. It's very sporadic. Occasionally you will find  
8 one that makes just a little bit of water, but in this im-  
9 mediate area I don't know that it does produce any liquids,  
10 no.

11 MR. STAMETS: Any other questions of the wit-  
12 ness? He may be excused.

13 Anything further in this case?

14 MR. CAMPBELL: No, Mr. Examiner.

15 MR. STAMETS: Take the case under advisement.

16 (Hearing concluded.)  
17  
18  
19  
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21  
22  
23  
24  
25

REPORTER'S CERTIFICATE

I, SALLY WALTON BOYD, a Court Reporter, DO HEREBY  
 CERTIFY that the foregoing and attached Transcript of  
 Hearing before the Oil Conservation Division was reported  
 by me; that the said transcript is a full, true, and correct  
 record of the hearing, prepared by me to the best of my  
 ability, knowledge, and skill from my notes taken at the  
 time of the hearing.

Sally Walton Boyd CSR  
 Sally Walton Boyd, C.S.R.

I do hereby certify that the foregoing is  
 a complete record of the proceedings in  
 the Examiner hearing of Case No. 6291,  
 heard by me on 8-16, 1978.  
Richard R. Starn, Examiner  
 New Mexico Oil Conservation Commission

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JERRY APODACA  
GOVERNOR

NICK FRANKLIN  
SECRETARY

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

August 25, 1978

POST OFFICE BOX 2008  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

Re: CASE NO. 6291  
ORDER NO. R-5785  
Mr. Michael Campbell  
Campbell, Bingaman & Black  
Attorneys at Law  
Post Office Box 2208  
Santa Fe, New Mexico 87501

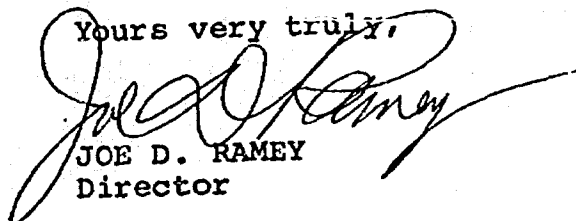
Applicant:

Mesa Petroleum Company

Dear Sir:

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

Yours very truly,

  
JOE D. RAMEY  
Director

JDR/fd

Copy of order also sent to:

Hobbs OCC X  
Artesia OCC X  
Aztec OCC X

Other \_\_\_\_\_  
\_\_\_\_\_

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 6291  
Order No. R-5785

APPLICATION OF MESA PETROLEUM CO.  
FOR A TRIPLE COMPLETION, SAN JUAN  
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 o'clock a.m. on August 16, 1978, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 25th day of August, 1978, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Mesa Petroleum Co., seeks authority to complete its State Com S Well No. 15A, located in Unit D of Section 36, Township 32 North, Range 12 West, NMPM, San Juan County, New Mexico, as a triple completion (conventional) to produce gas from an undesignated Fruitland pool, the Blanco-Pictured Cliffs Pool and the Blanco Mesaverde Pool through the casing-tubing annulus and two strings of tubing, respectively, with separation of the zones to be achieved by means of packers.
- (3) That the mechanics of the proposed triple completion are feasible and in accord with good conservation practices.
- (4) That approval of the subject application will prevent waste and protect correlative rights.

-2-

Case No. 6291  
Order No. R-5785

IT IS THEREFORE ORDERED:

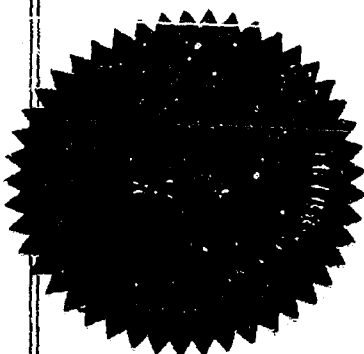
(1) That the applicant, Mesa Petroleum Co., is hereby authorized to complete its State Com S Well No. 15A, located in Unit D of Section 36, Township 32 North, Range 12 West, NMPM, San Juan County, New Mexico, as a triple completion (conventional) to produce gas from an undesignated Fruitland pool, through the casing-tubing annulus and gas from the Blanco-Pictured Cliffs Pool and the Blanco Mesaverde Pool through parallel strings of 2 1/16-inch and 2 3/8-inch tubing, respectively, with separation of the zones by means of packers to be set at approximately 2900 feet and 3050 feet.

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer leakage tests upon completion and annually thereafter during the deliverability test period for prorated gas pools in the San Juan Basin.

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

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



STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

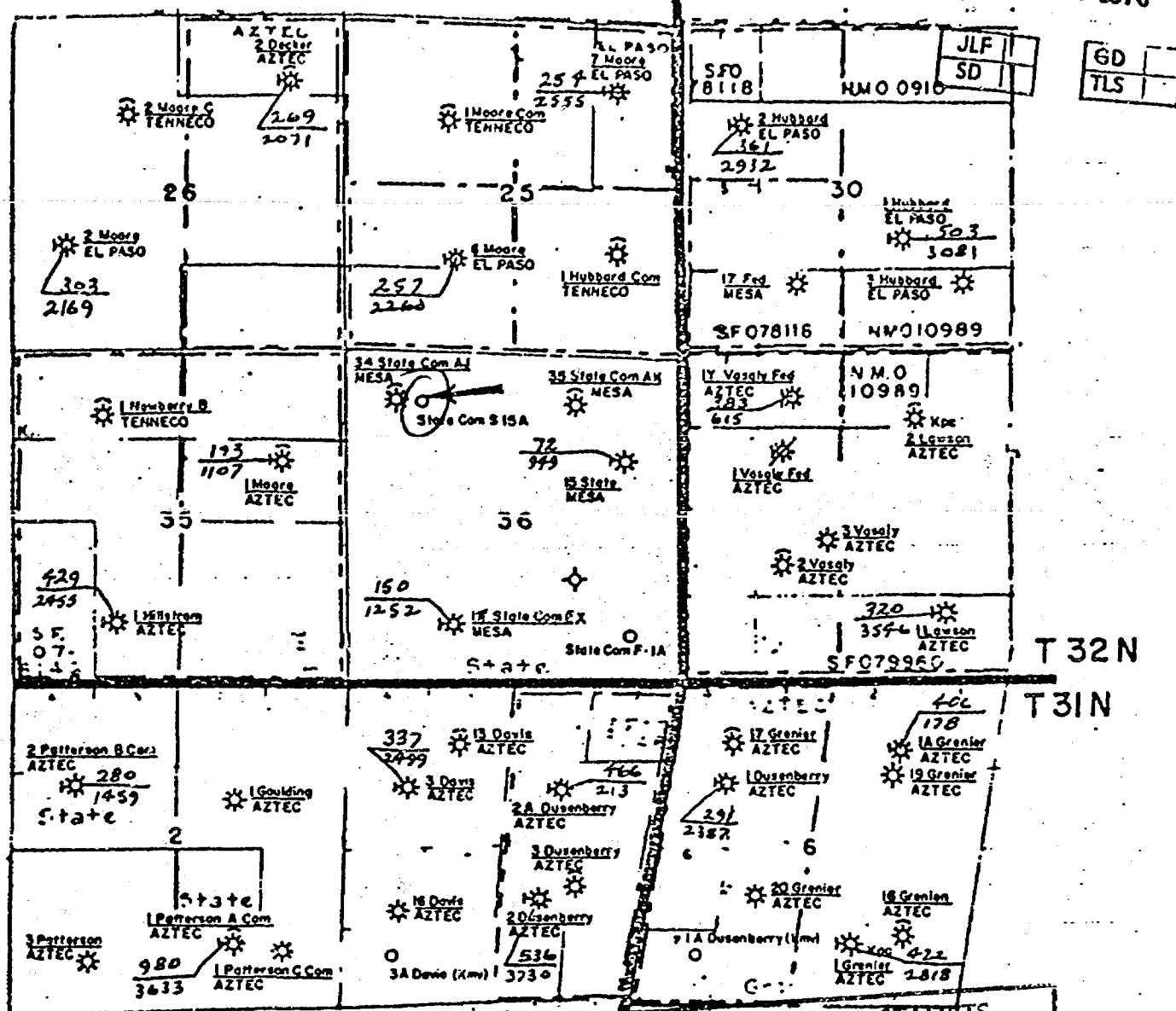
*Joe D. Ramey*  
JOE D. RAMEY,  
Director

dr/

Recvd. Ama. Prod.

R12W R11W

JUN 21 1978



LEGEND  
WELL NAME  
AZTEC OPERATOR  
PRODUCTION CODE

Kpc

99 NCA/D 2-1-1976

Kmv

1111 NMCB Cum. Prod. 1-77

Kd

BEFORE EXAMINER STAMETS  
OIL CONSERVATION COMMISSION

EXHIBIT NO. 1

CASE NO. 6291

Submitted by Mesa

Hearing Date - 8/16/78



MESA PETROLEUM CO.  
CENTRAL DIVISION

COX CANYON PROSPECT - OP 778  
SAN JUAN COUNTY, NEW MEXICO

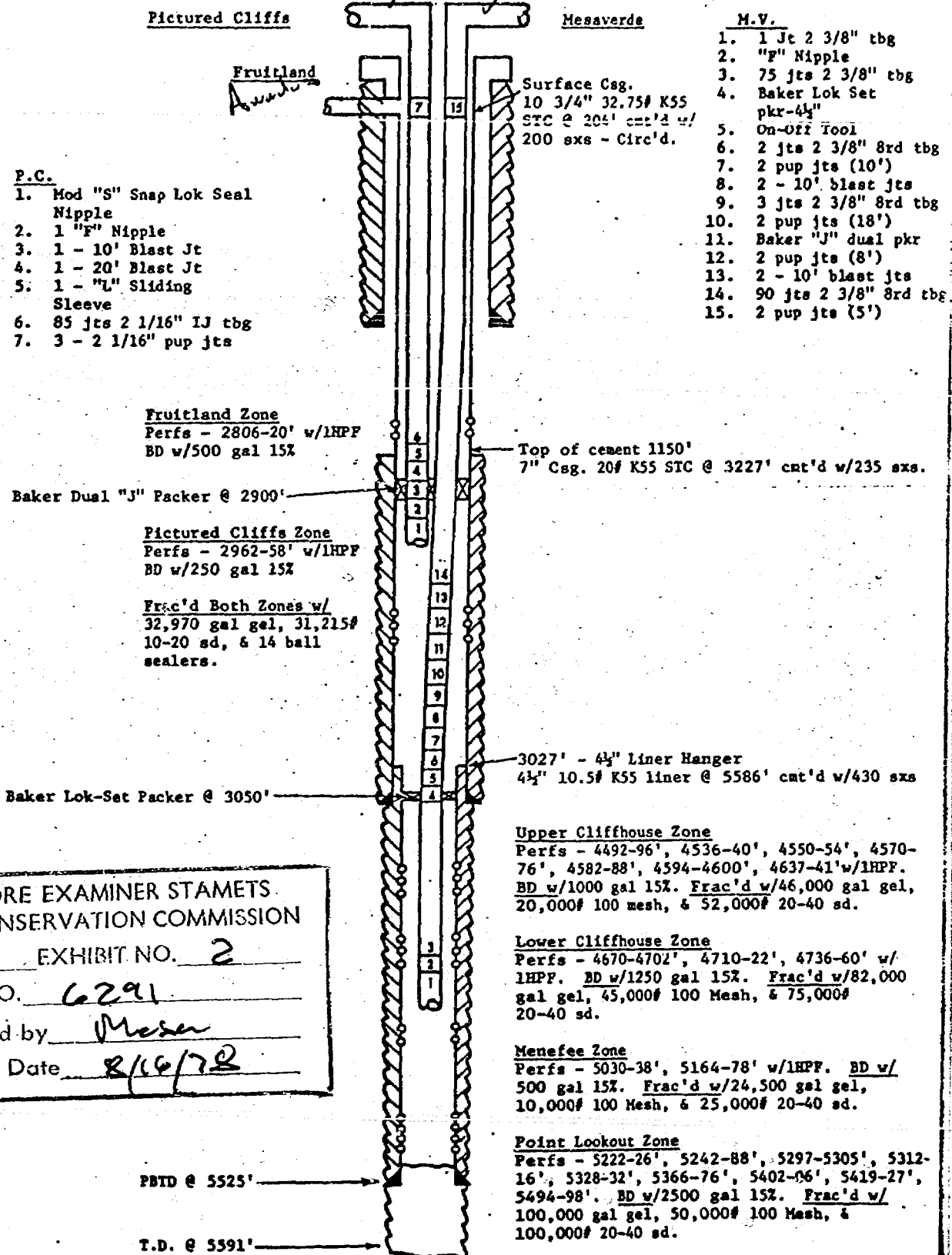
STATE COM S #15A (Kmv)

2" = 1 Mile

DPH

Dec. '76

STATE COM. S-15A  
SEC 36, T32N, R12W  
SAN JUAN CO. N.M.



BEFORE EXAMINER STAMETS  
OIL CONSERVATION COMMISSION

EXHIBIT NO. 2

CASE NO. 6291

Submitted by Mesa

Hearing Date 8/16/72

Operator <b>Mesa Petroleum Co.</b>		Well Name and Number <b>State Com S #15-A (F-PM)</b>	
Location of Well <b>Unit D Sec. 36 Twp. 32 Rge. 12</b>		TYPE OF TEST →	Annual - (Give Year) <b>5-11-78</b>
UPPER COMPLETION	Reservoir or Pool <b>FT-MV</b>	<input checked="" type="checkbox"/> GAS <input type="checkbox"/> OIL	<input checked="" type="checkbox"/> FLOWING <input type="checkbox"/> ARTIFICIAL LIFT
LOWER COMPLETION	Reservoir or Pool <b>PC</b>	<input checked="" type="checkbox"/> GAS <input type="checkbox"/> OIL	<input checked="" type="checkbox"/> FLOWING <input type="checkbox"/> ARTIFICIAL LIFT
		Production String <input checked="" type="checkbox"/> CASING <input checked="" type="checkbox"/> TUBING	

SHUT-IN PRESSURE DATA BEFORE FLOW TEST NO. 1

UPPER COMPLETION	Date Well Shut-In <b>5-11-78</b>	No. Days Shut-In <b>7-7</b>	Shut-In Pressure - Psig <b>864</b> CASING <b>932</b> TUBING	Stabilized Pressure <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
LOWER COMPLETION	Date Well Shut-In <b>5-11-78</b>	No. Days Shut-In <b>7</b>	Shut-In Pressure - Psig -- CASING <b>872</b> TUBING	Stabilized Pressure <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
FLOW TEST NO. 1			Zone Producing <input type="checkbox"/> UPPER <input type="checkbox"/> MV <input type="checkbox"/> LOWER	Date Flow Started <b>5-18-78</b>
LAPSED TIME SINCE FLOW BEGAN	SHUT-IN ZONE PRESSURES - PSIG		PRODUCING ZONE PRESSURES - PSIG	FLOWING TEMP. °F
	FT CASING	PC TUBING	MV FLOWING	
15 min.	882	935	260	72
30 min.	889	937	260	72
45 min.	890	937	250	73
1 hr.	893	937	250	75
2 hr.	897	937	225	80
3 hr.	901	937	225	80
REMARKS:  <b>Recvd. Ama. Prod.</b>  <b>JUN 12 1978</b>  JLF <input checked="" type="checkbox"/> SD <input checked="" type="checkbox"/> GD <input type="checkbox"/> TLS <input type="checkbox"/>				
GAS: 2754 MCFD METER <input type="checkbox"/> CHOKE <input checked="" type="checkbox"/> OIL: RATE - BBL./D GRAVITY: API				
REMARKS:				

SHUT-IN PRESSURE DATA BEFORE FLOW TEST NO. 2

UPPER COMPLETION	Date Well Shut-In <b>FT-MV</b>	No. Days Shut-In <b>11-4</b>	Shut-In Pressure - Psig <b>899</b> CASING <b>935</b> TUBING	Stabilized Pressure <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
LOWER COMPLETION	Date Well Shut-In <b>PC</b>	No. Days Shut-In <b>11</b>	Shut-In Pressure - Psig -- CASING <b>875</b> TUBING	Stabilized Pressure <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
FLOW TEST NO. 2			Zone Producing <input type="checkbox"/> UPPER <input checked="" type="checkbox"/> PC <input type="checkbox"/> LOWER	Date Flow Started <b>5-22-78</b>
LAPSED TIME SINCE FLOW BEGAN	PRODUCING ZONE PRESSURES - PSIG		SHUT-IN ZONE PRESSURES - PSIG	FLOWING TEMP. °F
	PC FLOWING	WORKING	FT CASING	
15 min.	100		900	57
30 min.	72		900	58
45 min.	55		902	59
1 hr.	50		902	60
2 hr.	47		902	60
3 hr.	33		902	60
REMARKS:  <b>BEFORE EXAMINER STAMETS</b> <b>OIL CONSERVATION COMMISSION</b> <b>EXHIBIT NO. 3</b> <b>CASE NO. 6291</b> <b>Submitted by: Mesa</b> <b>Hearing Date: 8/16/78</b>  <b>JUN 2 1978</b> <b>OIL CON. COM.</b>				
GAS: 529 MCFD METER <input type="checkbox"/> CHOKE <input checked="" type="checkbox"/> OIL: RATE - BBL./D GRAVITY: API				
REMARKS:  <b>Triple Completion- Fruitland- Pictured Cliff- Mesa Verde</b>				

The results of this test indicate (No Packer Leakage) (Packer Leakage) in this well.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

APPROVED \_\_\_\_\_, 19\_\_\_\_  
NEW MEXICO OIL CONSERVATION COMMISSION

BY Original Signed by FRANK T CHAVEZ

OPERATOR Mesa Petroleum Co.

BY C.R. Wagner

TITLE Well Test Engineer

DATE 6-1-78

Operator <b>Mesa Petroleum Co.</b>		Well Name and Number <b>State Com S #15-A (F-P.M.)</b>	
Location of Well Unit <b>D</b> Sec. <b>36</b> Twp. <b>32</b> Rge. <b>12</b>		TYPE OF TEST Annual - (Give Year) <b>5-11-78</b>	Initial - (Give Date) <input checked="" type="checkbox"/> NEW <input type="checkbox"/> OWWO
UPPER COMPLETION	Reservoir or Pool <b>FT-MV</b>	<input checked="" type="checkbox"/> GAS <input type="checkbox"/> OIL	<input checked="" type="checkbox"/> FLOWING <input type="checkbox"/> ARTIFICIAL LIFT
LOWER COMPLETION	Reservoir or Pool <b>PC</b>	<input checked="" type="checkbox"/> GAS <input type="checkbox"/> OIL	<input checked="" type="checkbox"/> FLOWING <input type="checkbox"/> ARTIFICIAL LIFT
		Production String <input checked="" type="checkbox"/> CASING <input checked="" type="checkbox"/> TUBING	
		Production String <input type="checkbox"/> CASING <input checked="" type="checkbox"/> TUBING	

SHUT-IN PRESSURE DATA BEFORE FLOW TEST NO. 3

UPPER COMPLETION	Date Well Shut-In	No. Days Shut-In	Shut-In Pressure - Psig <b>907</b>	CASING	<b>930</b>	TUBING	Stabilized Pressure <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO								
LOWER COMPLETION	Date Well Shut-In	No. Days Shut-In	Shut-In Pressure - Psig <b>--</b>	CASING	<b>882</b>	TUBING	Stabilized Pressure <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO								
FLOW TEST NO. 1			Zone Producing <input type="checkbox"/> UPPER FT <input type="checkbox"/> LOWER		Date Flow Started <b>5-25-78</b>										
LAPSED TIME SINCE FLOW BEGAN	SHUT-IN ZONE PRESSURES - PSIG		PRODUCING ZONE PRESSURES - PSIG		FLOWING TEMP. °F	REMARKS:  <b>Recvd. Ama. Prod.</b>  <b>JUN 12 1978</b>  <table border="1"><tr><td>JLF</td><td></td><td>GD</td><td></td></tr><tr><td>SD</td><td></td><td>TLS</td><td></td></tr></table>		JLF		GD		SD		TLS	
	JLF		GD												
SD		TLS													
<b>PC</b>	<b>TUBING</b>	<b>FT</b>	<b>WORKING</b>												
15 min.	930	882	187	56											
30 min.	930	882	82	60											
45 min.	930	882	72	61											
1 hr.	930	882	71	62											
2 hr.	930	882	71	62											
3 hr.	930	882	73	63											
GAS		1002	MCFD METER <input type="checkbox"/>	CHOKE <input checked="" type="checkbox"/>	OIL	RATE - BBL./D GRAVITY °API									
REMARKS:  <b>Triple Completion- Fruitland- Pictured Cliff-Mesa Verde</b>															

SHUT-IN PRESSURE DATA BEFORE FLOW TEST NO. 2

UPPER COMPLETION	Date Well Shut-In	No. Days Shut-In	Shut-In Pressure - Psig <b>CASING</b>	TUBING	Stabilized Pressure <input type="checkbox"/> YES <input type="checkbox"/> NO
LOWER COMPLETION	Date Well Shut-In	No. Days Shut-In	Shut-In Pressure - Psig <b>CASING</b>	TUBING	Stabilized Pressure <input type="checkbox"/> YES <input type="checkbox"/> NO
FLOW TEST NO. 2			Zone Producing <input type="checkbox"/> UPPER <input type="checkbox"/> LOWER		Date Flow Started
LAPSED TIME SINCE FLOW BEGAN	PRODUCING ZONE PRESSURES - PSIG		SHUT-IN ZONE PRESSURES - PSIG		FLOWING TEMP. °F
	<b>FLOWING</b>	<b>WORKING</b>	<b>CASING</b>	<b>TUBING</b>	
GAS			MCFD METER <input type="checkbox"/>	CHOKE <input type="checkbox"/>	OIL
RATE - BBL./D GRAVITY °API					
REMARKS:  <b>JUN 2 1978</b> <b>OIL CON. SECT.</b> <b>DIST. 3</b>					

The results of this test indicate (No Packer Leakage) (Packer Leakage) in this well.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

APPROVED JUN 2 1978  
NEW MEXICO OIL CONSERVATION COMMISSION

BY Original Signed by FRANK T. CHANCE

DEPUTY OIL & GAS INSPECTOR DIST. 3

OPERATOR Mesa Petroleum Co.  
BY C.R. Wagner  
TITLE Well Test Engineer  
DATE 6-1-78

NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
APPLICATION FOR MULTIPLE COMPLETION

Form C-107  
5-1-61

Operator <b>MESA PETROLEUM CO.</b>		County <b>San Juan</b>		Date <b>June 20, 1978</b>
Address <b>P. O. BOX 2009, AMARILLO, TX.. 79189</b>		Lease <b>State Com S</b>		Well No. <b>#15A</b>
Location of Well <b>D</b>	Unit <b>D</b>	Section <b>36</b>	Township <b>32N</b>	Range <b>12W</b>

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 \_\_\_\_\_ Unknown \_\_\_\_\_
2. If answer is yes, identify one such instance: Order No. \_\_\_\_\_; Operator Lease, and Well No.: \_\_\_\_\_

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	<b>Fruitland - Undes</b>	<b>Pictured Cliffs - Blanco</b>	<b>Mesaverde - Blanco</b>
b. Top and Bottom of Pay Section (Perforations)	<b>2806'-2820'</b>	<b>2962'-2968'</b>	<b>4492'-5498'</b>
c. Type of production (Oil or Gas)	<b>Gas</b>	<b>Gas</b>	<b>Gas</b>
d. Method of Production (Flowing or Artificial Lift)	<b>Flowing</b>	<b>Flowing</b>	<b>Flowing</b>

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

Yes No

- ☒ ☐ 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.
- ☒ ☐ 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.
- ☐ ☒ 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.\*
- ☐ ☒ 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.

**Southland Royalty Co., 1010 Denver Club Bldg., 518 17th Street, Denver, Colorado 80202**

**Tenneco Oil Co., 720 S. Colorado Blvd., Penthouse, Denver, Colorado 80222**

**El Paso Natural Gas Company, P. O. Box 990, Farmington, New Mexico 87401**

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 **Mailed 6/30/78**.

CERTIFICATE: I, the undersigned, state that I am the **Staff Engineer** of the **Mesa Petroleum Co.** (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.

xc - NMOCC Santa Fe (2), Aztec (2)  
Offset Operators  
W.I. Owners

*C. J. Crouch*  
Signature

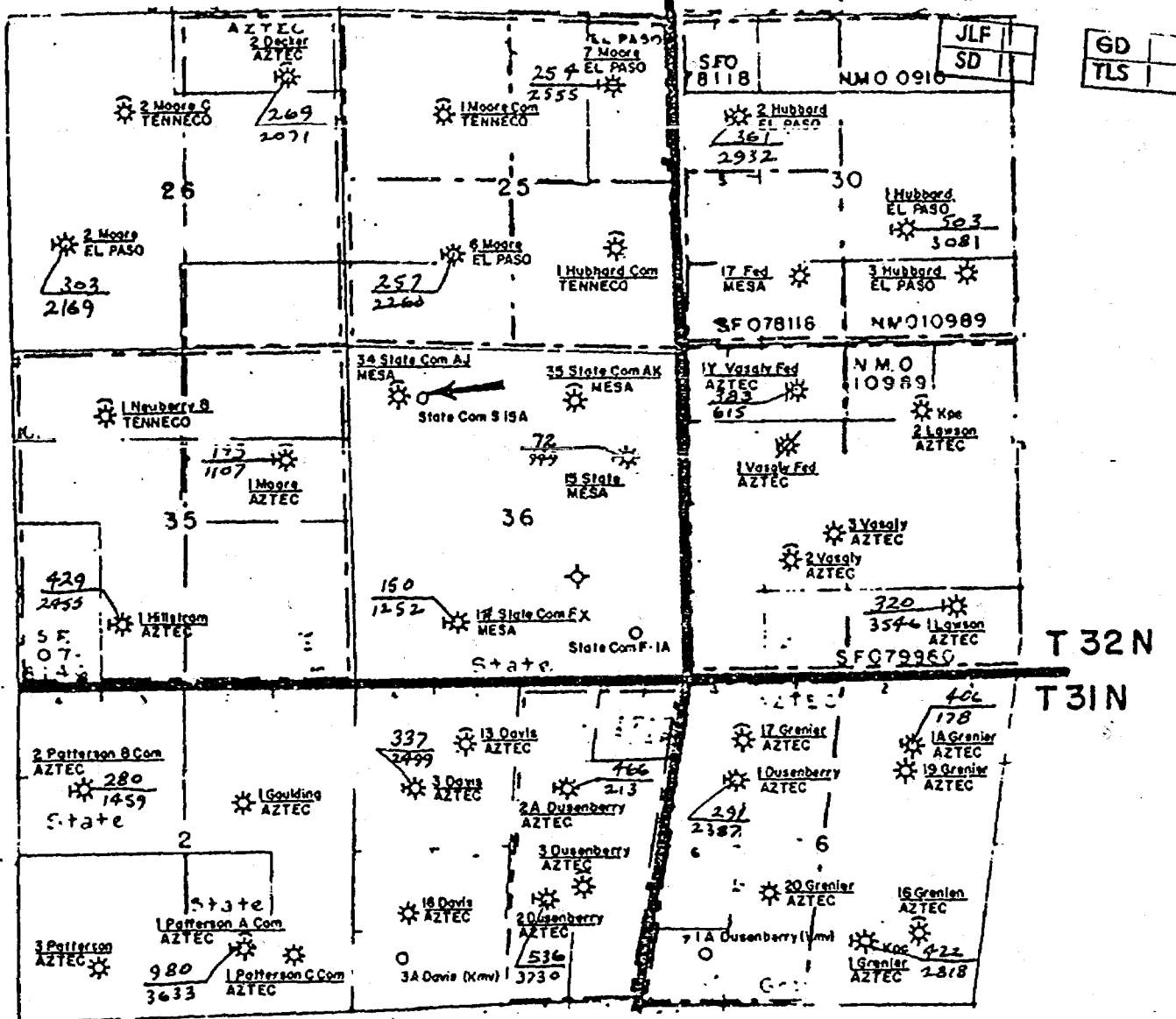
\*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest 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 production unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

Recvd. Ama. Prod.

R12W R11W

JUN 21 1978



# LEGEND

WELL NAME  
 OPERATOR  
 PRODUCTION CODE

\* Kpc  
 \* Kmv  
 \* Kd



MESA PETROLEUM CO.  
 CENTRAL DIVISION

COX CANYON PROSPECT - OP 778

SAN JUAN COUNTY, NEW MEXICO

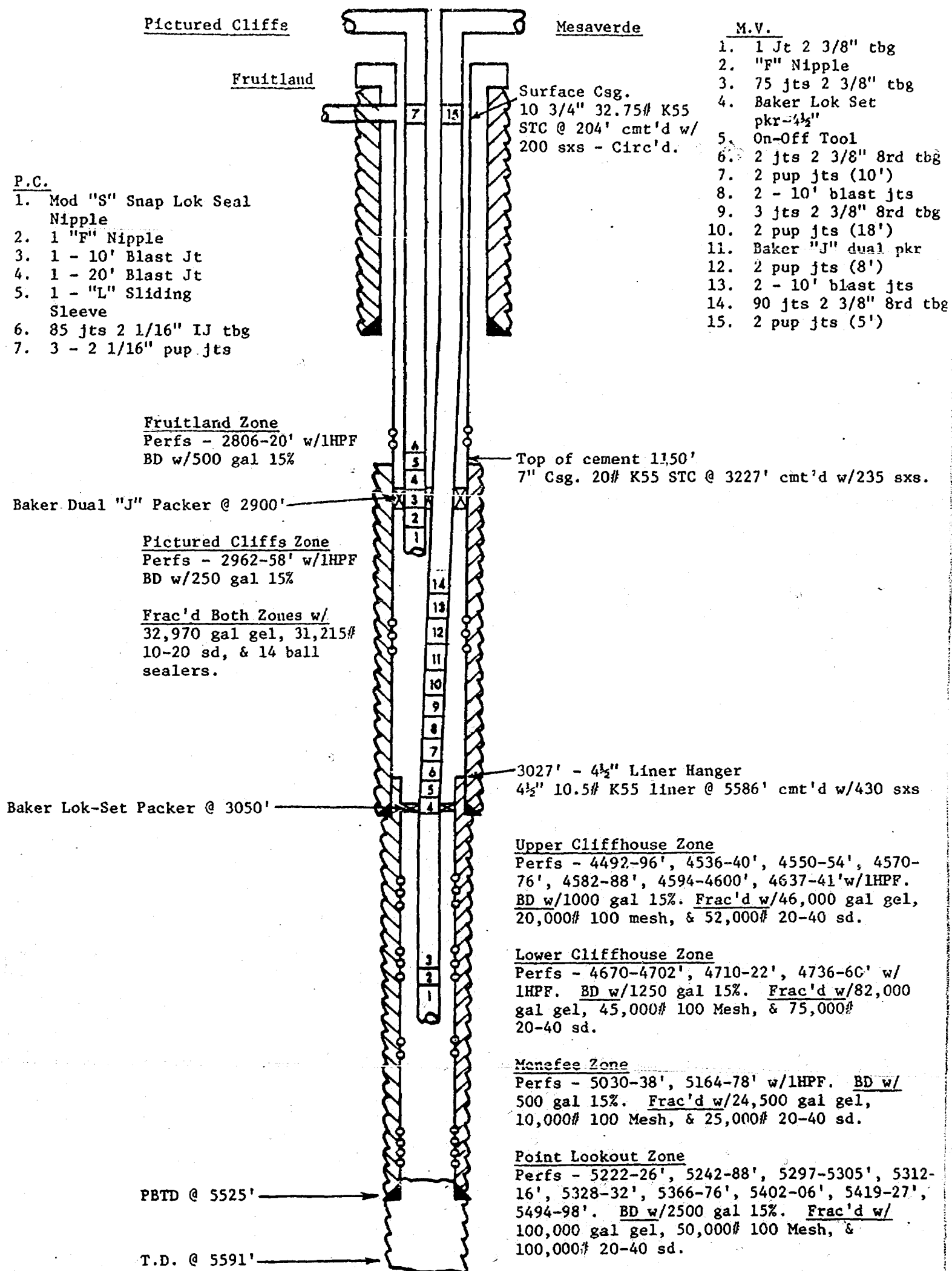
STATE COM S #15A (Kmv)

2" = 1 Mile

DPH

Dec. '76

STATE COM. S-15A  
SEC 36, T32N, R12W  
SAN JUAN CO. N.M.



NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
APPLICATION FOR MULTIPLE COMPLETION

Form C-107  
5-1-61

Operator <b>MESA PETROLEUM CO.</b>		County <b>San Juan</b>	Date <b>June 20, 1978</b>
Address <b>P. O. BOX 2009, AMARILLO, TX., 79189</b>		Lease <b>State Com S</b>	Well No. <b>#15A</b>
Location of Well <b>D</b>	Unit <b>D</b>	Section <b>36</b>	Township <b>32N</b>
		Range <b>12W</b>	

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 \_\_\_\_\_ Unknown \_\_\_\_\_
2. If answer is yes, identify one such instance: Order No. \_\_\_\_\_; Operator Lease, and Well No.: \_\_\_\_\_

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	<b>Fruitland - Undes</b>	<b>Pictured Cliffs - Blanco</b>	<b>Mesaverde - Blanco</b>
b. Top and Bottom of Pay Section (Perforations)	<b>2806' - 2820'</b>	<b>2962' - 2968'</b>	<b>4492' - 5498'</b>
c. Type of production (Oil or Gas)	<b>Gas</b>	<b>Gas</b>	<b>Gas</b>
d. Method of Production (Flowing or Artificial Lift)	<b>Flowing</b>	<b>Flowing</b>	<b>Flowing</b>

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

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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.*
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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.

**Southland Royalty Co., 1010 Denver Club Bldg., 518 17th Street, Denver, Colorado 80202**

**Tenneco Oil Co., 720 S. Colorado Blvd., Penthouse, Denver, Colorado 80222**

**El Paso Natural Gas Company, P. O. Box 990, Farmington, New Mexico 87401**

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 **Mailed 6/30/78**

CERTIFICATE: I, the undersigned, state that I am the **Staff Engineer** of the **Mesa Petroleum Co.** (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.

xc - NMOCC Santa Fe (2), Aztec (2)  
Offset Operators  
W.I. Owners

*C. Fred Crum*  
Signature

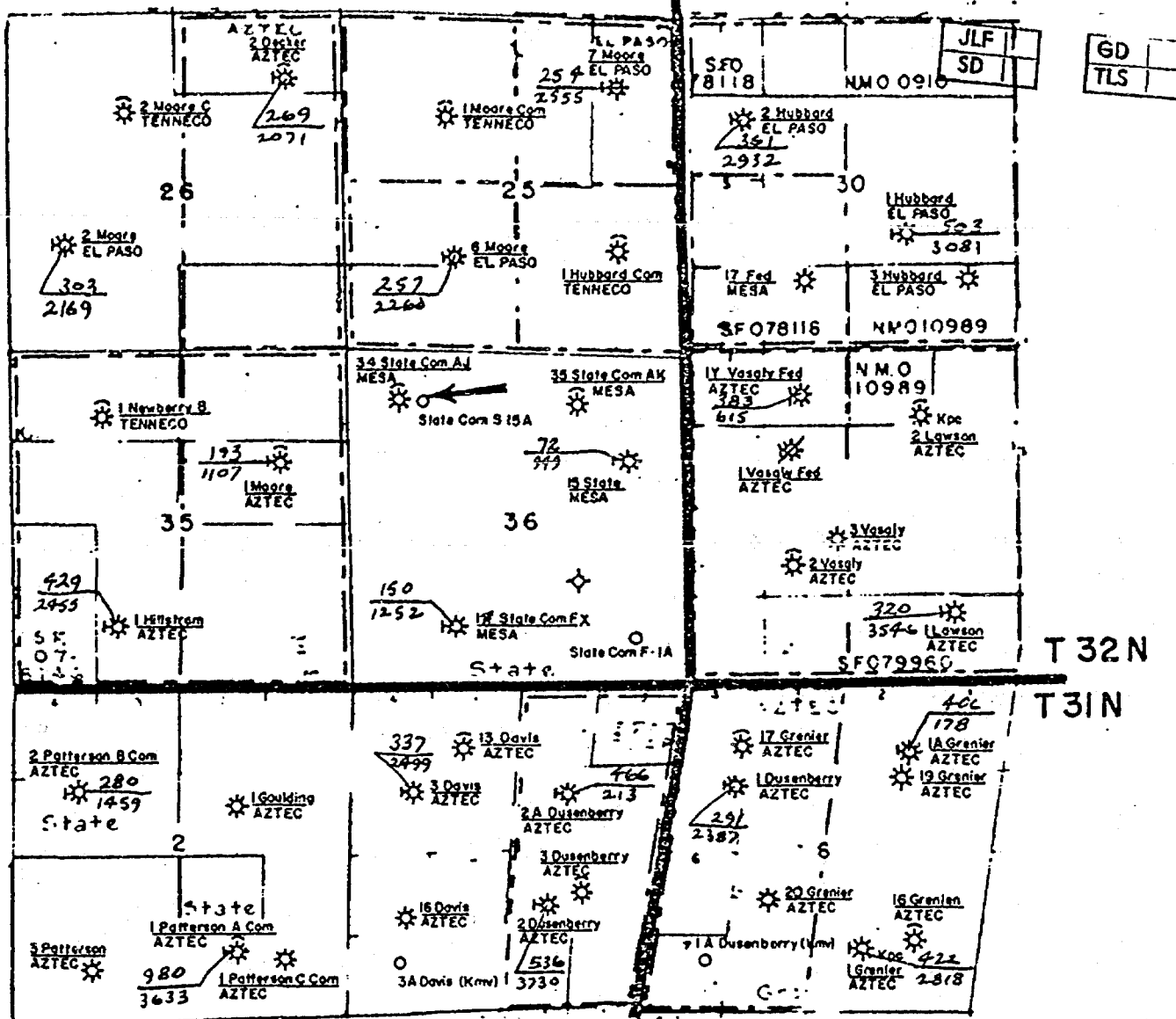
\*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest 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 one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

Recvd. Ama. Prod.

R12W R11W

JUN 21 1978



LEGEND  
WELL NAME  
OPERATOR  
PRODUCTION CODE

☼ Kpc  
☼ Kmv  
☼ Kd



MESA PETROLEUM CO.  
CENTRAL DIVISION

COX CANYON PROSPECT - OP 778

SAN JUAN COUNTY, NEW MEXICO

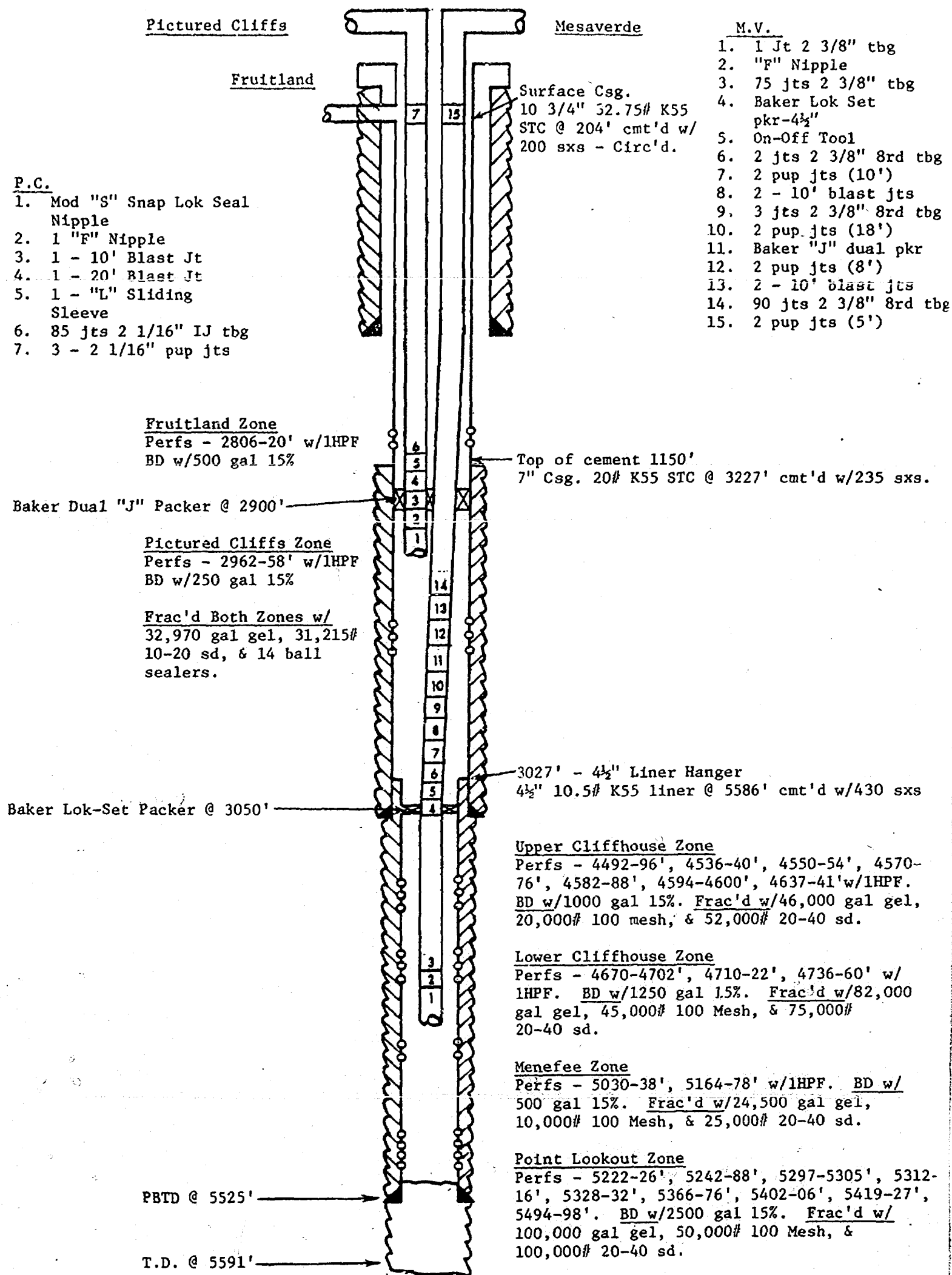
STATE COM S #15A (Kmv)

2" = 1 Mile

DPH

Dec. '76

STATE COM. S-15A  
SEC 36, T32N, R12W  
SAN JUAN CO. N.M.



RECEIVED  
JUL 3 1978  
CONSERVATION CO.....  
Santa Fe

July 1978  
 S M T W T F S  
 2 3 4 5 6 7 8  
 9 10 11 12 13 14 15  
 16 17 18 19 20 21 22  
 23 24 25 26 27 28 29  
 30 31

13

Set for hearing  
 on Aug 16<sup>th</sup>  
 letter following

NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
APPLICATION FOR MULTIPLE COMPLETION

Form C-107  
5-1-81

JUL 18 1978

Operator <b>MESA PETROLEUM CO.</b>		County <b>San Juan</b>	Conservation Comm. <b>Santa Fe</b>
Address <b>P. O. BOX 2009, AMARILLO, TX., 79189</b>		Lease <b>State Com S</b>	Date <b>June 20, 1978</b>
Location of Well <b>D</b>	Unit <b>36</b>	Township <b>32N</b>	Well No. <b>#15A</b>
		Range <b>12W</b>	

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 \_\_\_\_\_ Unknown \_\_\_\_\_
2. If answer is yes, identify one such instance: Order No. \_\_\_\_\_; Operator Lease, and Well No.: \_\_\_\_\_

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	<b>Fruitland - Undes</b>	<b>Pictured Cliffs - Blanco</b>	<b>Mesaverde - Blanco</b>
b. Top and Bottom of Pay Section (Perforations)	<b>2806'-2820'</b>	<b>2962'-2968'</b>	<b>4492'-5498'</b>
c. Type of production (Oil or Gas)	<b>Gas</b>	<b>Gas</b>	<b>Gas</b>
d. Method of Production (Flowing or Artificial Lift)	<b>Flowing</b>	<b>Flowing</b>	<b>Flowing</b>

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

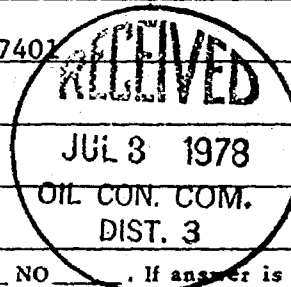
- |                                     |                                     |   |
|-------------------------------------|-------------------------------------|---|
| Yes                                 | No                                  |   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 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. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 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.   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 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.*  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 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.

Southland Royalty Co., 1010 Denver Club Bldg., 518 17th Street, Denver, Colorado 80202

Tenneco Oil Co., 720 S. Colorado Blvd., Penthouse, Denver, Colorado 80222

El Paso Natural Gas Company, P. O. Box 990, Farmington, New Mexico 87401



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 Mailed 6/30/78.

CERTIFICATE: I, the undersigned, state that I am the Staff Engineer of the Mesa Petroleum Co. (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.

xc - NMOCC Santa Fe (2), Aztec (2)  
Offset Operators  
W.I. Owners

C. Brad Covich  
Signature

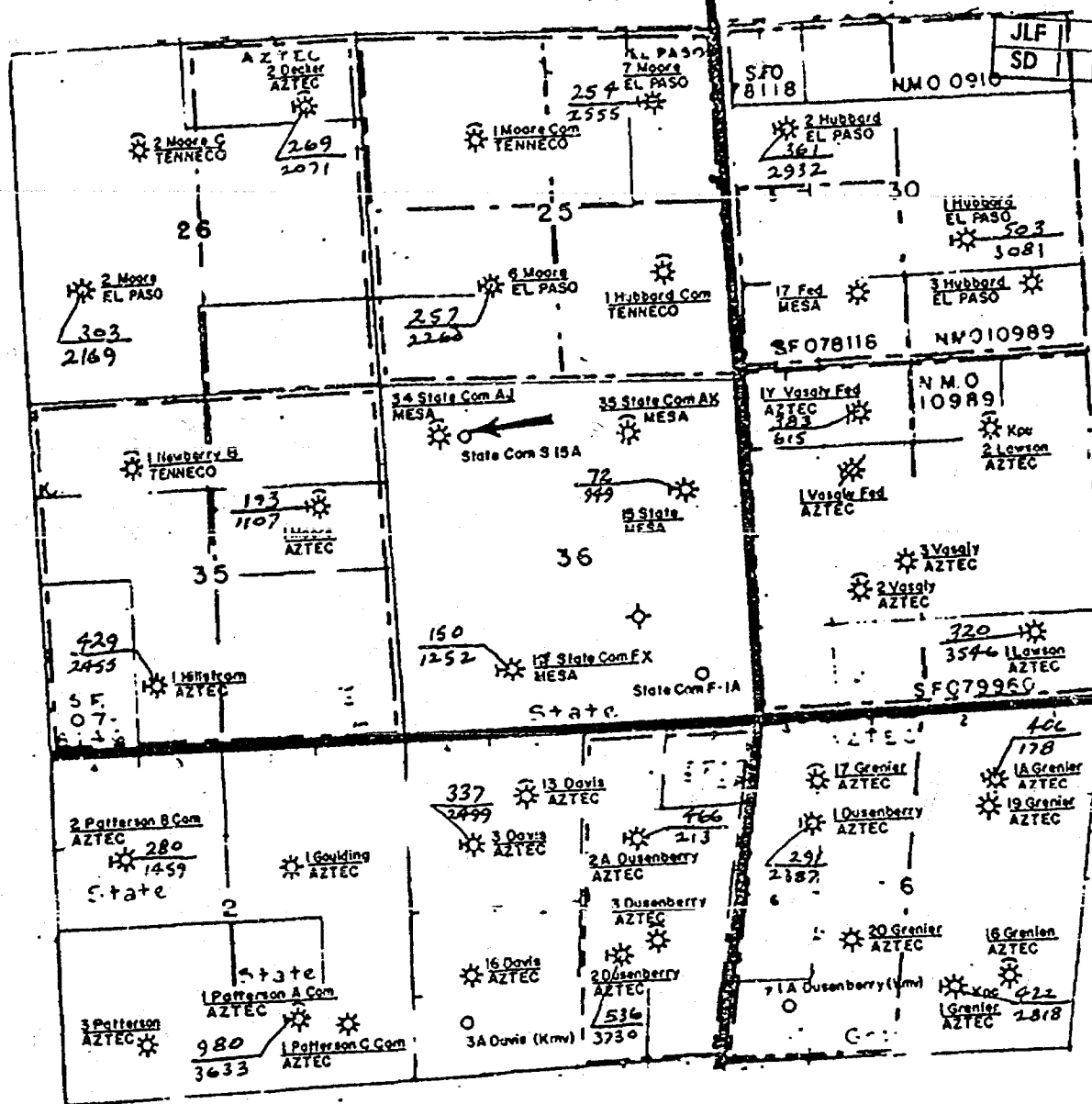
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NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with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

Recvd. Ama. Prod.

R12W R11W

JUN 21 1978



GD  
TLS

T 32 N  
T 31 N

LEGEND WELL NAME

1 Moore  
AZTEC OPERATOR  
PRODUCTION CODE

\* Kpc 99 MCA/D 2-1-1976  
\* Kmv 1111 MMCF Cum. Prod. 1-77  
\* Kd



MESA PETROLEUM CO.  
CENTRAL DIVISION

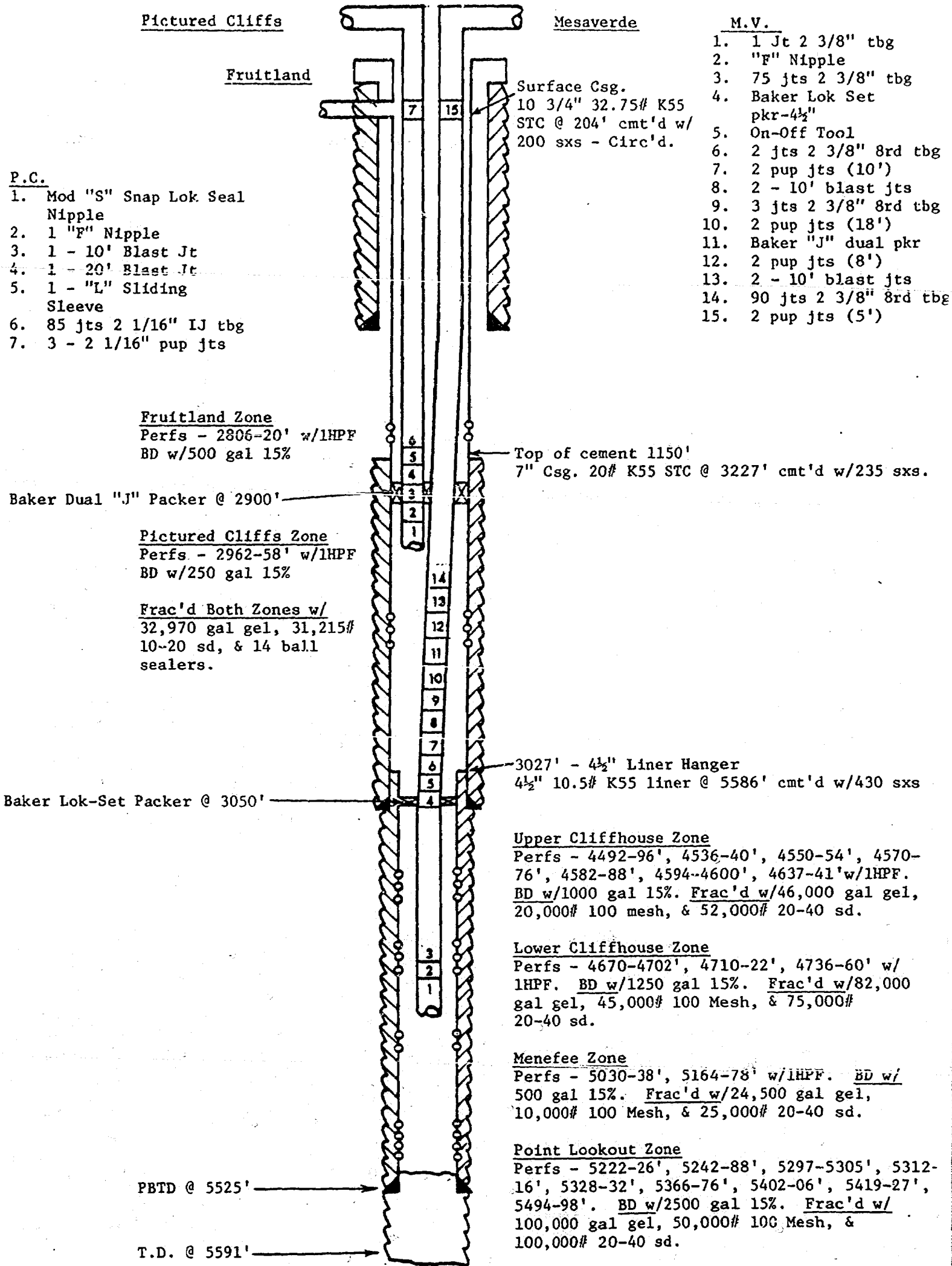
COX CANYON PROSPECT - OP 778  
SAN JUAN COUNTY, NEW MEXICO

STATE COM S #15A (Kmv)  
2" = 1 Mile

DPH

Dec. '76

STATE COM. S-15A  
SEC 36, T32N, R12W  
SAN JUAN CO. N.M.



Dockets Nos. 28-78 and 29-78 are tentatively set for hearing on August 30 and September 13, 1978. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - AUGUST 16, 1978

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

The following cases will be heard before Richard L. Stamets, Examiner, or Daniel S. Nutter, Alternate Examiner:

- ALLOWABLE:
- (1) Consideration of the allowable production of gas for September, 1978, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.
  - (2) Consideration of the allowable production of gas for September, 1978, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.

CASE 6290: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit R. A. Crane, Jr., Great American Insurance Co., and all other interested parties to appear and show cause why the Donella Well No. 1 located in Unit P of Section 3, Township 29 North, Range 15 West, San Juan County, New Mexico, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 6291: Application of Mesa Petroleum Co. for a triple completion, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the triple completion (conventional) of its State Com S Well No. 15A located in Unit B of Section 36, Township 32 North, Range 12 West, San Juan County, New Mexico, to produce gas from an undesignated Fruitland pool, the Blanco-Pictured Cliffs Pool, and the Blanco Mesaverde Pool thru two strings of tubing and the casing-tubing annulus.

CASE 6292: Application of Amoco Production Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Teledyne Federal Gas Com. Well No. 1 to be drilled 660 feet from the South line and 330 feet from the East line of Section 4, Township 23 South, Range 29 East, Eddy County, New Mexico, the E/2 of said Section 4 to be dedicated to the well.

CASE 6293: Application of Cities Service Company for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Polk "A" Well No. 1 located in Unit B of Section 17, Township 23 South, Range 28 East, Eddy County, New Mexico, to produce gas from the Strawn and Morrow formations thru parallel strings of tubing.

CASE 6279: (Continued from August 2, 1978, Examiner Hearing)

Application of Hanagan Petroleum Corporation for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Morrow formation underlying the N/2 of Section 28, Township 21 South, Range 26 East, Avalon Hills-Morrow Pool, Eddy County, New Mexico, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

CASE 6288: (Continued from August 2, 1978, Examiner Hearing)

Application of Dorchester Exploration, Inc., for pool creation and special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order creating a new oil pool in the Strawn formation for its Wilson State Com Well No. 1 located in Unit I of Section 13, Township 21 South, Range 34 East, Lea County, New Mexico, and for promulgation of special pool rules, including provision for 160-acre spacing;

in the alternative, applicant seeks approval of 80-acre spacing for said pool. (This case will be dismissed.)

CASE 6294: Application of El Paso Natural Gas Company for an exception to Rule 2(A) of Order No. R-1670, as amended, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 2(A) of Order No. R-1670, as amended, for the Blanco Mesaverde Pool to approve the unorthodox location of its EPNG "B" Well No. 1, located in Unit O of Section 28, Township 32 North, Range 6 West, San Juan County, New Mexico, as an off-pattern well in said pool.

CASE 6286: (Continued from August 2, 1978, Examiner Hearing)

Application of El Paso Natural Gas Company for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle Blanco Mesaverde and Basin-Dakota gas production in the wellbore of its EPNG "B" Well No. 1 located in Unit O of Section 28, Township 32 North, Range 6 West, San Juan County, New Mexico.

James L. Farrell  
operations manager — central and permian basin divisions



JUL 24 1978

July 21, 1978

Case 6291

New Mexico Oil & Gas  
Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attn: Mr. Carl Uivog

Gentlemen:

Re: Application for Triple Completion  
State Com S #15A  
San Juan County, New Mexico

Mesa Petroleum Co. respectfully requests that the subject application be placed on the Agenda for the August 16, 1978, hearing as per our telephone conversation of July 20, 1978.

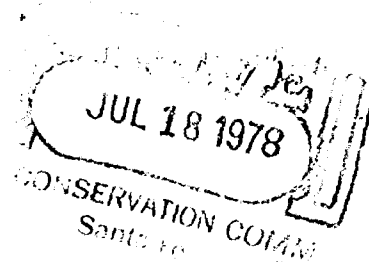
Sincerely,

C. Brad Crouch  
Staff Engineer

CBC/jr

xc: NMOCC - Aztec Office  
James Archer

OIL CONSERVATION COMMISSION  
Alto DISTRICT



OIL CONSERVATION COMMISSION  
BOX 2088  
SANTA FE, NEW MEXICO

DATE July 17, 1978  
RE: Proposed MC ☒  
Proposed DHC \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated June 20, 1978  
for the Mesa Petroleum Co. State Perm. S #15A TD-36-32IV-12W  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

AR Kendrick

ROUGH

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

dr/

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

*RD*  
CASE NO. 6291

Order No. R- 5785

APPLICATION OF MESA PETROLEUM CO.  
FOR A TRIPLE COMPLETION, SAN JUAN  
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 o'clock a.m. on  
August 16, 19 78, at Santa Fe, New Mexico, before  
Examiner Richard L. Stamets.

NOW, on this \_\_\_\_\_ day of August, 19 78, the  
Division Director, having considered the testimony, the record,  
and the recommendations of the Examiner, and being fully advised  
in the premises,

FINDS:

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

(2) That the applicant, Mesa Petroleum Co.,  
seeks authority to complete its State Com S Well  
Well No. 15A, located in Unit D of Section 36, Town-  
ship 32 North, Range 12 West, NMPM, San Juan  
County, New Mexico, as a triple completion (conventional) to

~~produce gas from the~~ <sup>xxoilxx</sup> <sup>an</sup> ~~undesigned~~ <sup>xx(combination)xx</sup> <sup>xx(tubingless)xx</sup> Fruitland pool, the Blanco-  
Pictured Cliffs Pool and the Blanco Mesaverde Pool through ~~two~~  
~~strings of tubing~~ <sup>and</sup> the casing-tubing annulus <sup>and</sup> two strings  
of tubing, respectively, with separation of the zones  
\* be achieved by means of packers.

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

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Mesa Petroleum Co.,  
is hereby authorized to complete its State Com S  
Well No. 15A, located in Unit D of Section 36,  
Township 32 North, Range 12 West, NMPM, San Juan  
County, New Mexico, as a triple completion (conventional)  
---(combination)---  
---(tubingless)---

~~xxx~~  
to produce gas from ~~the~~ an undesignated Fruitland pool, ~~the~~ through <sup>the</sup>  
~~the casing-tubing annulus, and gas from the~~  
Blanco-Pictured Cliffs Pool, and the Blanco Mesaverde Pool  
<sup>parallel 2 1/16-inch and 2 3/8-inch</sup>  
through ~~two~~ strings of tubing and the casing-tubing annulus,  
<sup>respectively with separation of the zones by means of packers to be set at</sup>  
approximately 2900 feet and 3050 feet,

PROVIDED HOWEVER, that the applicant shall complete, operate,  
and produce said well in accordance with the provisions of Rule  
112-A of the Division Rules and Regulations insofar as said rule  
is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take  
packer leakage tests upon completion and  
annually thereafter during the ~~annual~~ deliverability test period  
~~for proximal gas pools in the San Juan Basin~~  
~~test period for the~~

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

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