

THE APPLICATION OF AMOCO PRODUCTION  
COMPANY FOR A DUAL COMPLETION

ORDER NO. MC-2931

1133  
ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 112-A Amoco Production Company made application to the New Mexico Oil Conservation Division on October 10, 1981, for permission to dually complete its Jicarilla Contract 146 Well No. 32 located in Unit P of Section 10, Township 25 North, Range 5 West, NMPM, Rio Arriba County, New Mexico, in such a manner as to permit production of gas from the Otero-Chacra Pool and the Mesaverde Formation adjacent to the Gonzales-Mesaverde Pool.

NOW, on this 30th day of October, 1981, the Division Director finds:

- (1) That application has been filed under the provisions of Rule 112-A of the Division's Rules and Regulations;
- (2) That satisfactory information has been provided that all operators of offset acreage have been duly notified;
- (3) That no objections have been received within the waiting period as prescribed by said rule;
- (4) That the proposed dual completion will not cause waste nor impair correlative rights; and
- (5) That the mechanics of the proposed dual completion are feasible and consonant with good conservation practices.

IT IS THEREFORE ORDERED:

That the applicant herein, Amoco Production Company be and the same is hereby authorized to dually complete its Jicarilla Contract 146 Well No. 32 located in Unit P of Section 10, Township 25 North, Range 5 West, NMPM, Rio Arriba County, New Mexico, in such a manner as to permit production of gas from the Otero-Chacra Pool and the Mesaverde Formation adjacent to the Gonzales-Mesaverde Pool through parallel strings of tubing.

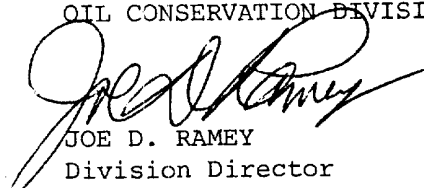
PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A.

PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter.

IT IS FURTHER ORDERED: That jurisdiction of this cause is hereby 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  
Division Director



S E A L



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

OIL CONSERVATION DIVISION  
BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE 10-20-81

RE: Proposed MC ☒  
Proposed DHC \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated 10-8-81  
for the Amoco Prod Co. SICARILLA CONTRACT 146<sup>#</sup> 33 P.10-25N-5W  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

APPROVE  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours truly,

*Charles E. Helms*

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

Form C-107  
5-1-61

Operator <b>Amoco Production Company</b>		County <b>Rio Arriba</b>		Date <b>October 8, 1981</b>
Address <b>501 Airport Dr., Farmington, NM 87401</b>		Lease <b>Jicarilla Contract 146</b>		Well No. <b>33</b>
Location of Well	Unit <b>P</b>	Section <b>10</b>	Township <b>25N</b>	Range <b>5W</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 ☐
2. If answer is yes, identify one such instance: Order No. MC-2859; Operator Lease, and Well No.: Jicarilla Contract 146 No. 32

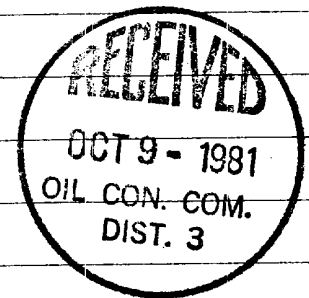
3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	<u>Otero Chacra</u>		<u>Gonzales Mesaverde</u>
b. Top and Bottom of Pay Section (Perforations)	<u>4008'-4036'</u>		<u>5336'-5519'</u>
c. Type of production (Oil or Gas)	<u>GAS</u>		<u>GAS</u>
d. Method of Production (Flowing or Artificial Lift)	<u>Flowing</u>		<u>Flowing</u>

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 checked="" type="checkbox"/> | <input 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 checked="" type="checkbox"/> | <input 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.

Amerada Hess Corp. - P. O. Box 840, Seminole, Texas 79360  
Supron Energy Corp. - P. O. Box 808, Farmington, NM 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 October 8, 1981

CERTIFICATE: I, the undersigned, state that I am the District Superintendent of the Farmington District of Amoco Production 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.

Original Signed By  
**R. W. SCHROEDER**

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 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.

TOTAL OF 40' OF BLAST  
JOINTS ACROSS CHACRA

DV TOOL 4190'

4008'  
CHACRA

4036'

5336'  
MESAVERDE  
5519'

8 5/8" 24# K-55 ST&C  
CSA 285' X 315 SX CMT

1 1/4" 2.4# J-55 IJ TBG @ 4040'

BAKER MODEL F PACKER SET @ 4250'



2 1/16" 3.4# J-55 IJ TBG @ 5520'

5 1/2" 14# K-55 ST&C  
CSA 5605' X 985 SX CMT

CENTRALIZERS RUN EVERY OTHER JOINT FROM TD TO 4600' AND FROM DV TOOL TO 3760'

Amoco Production Company

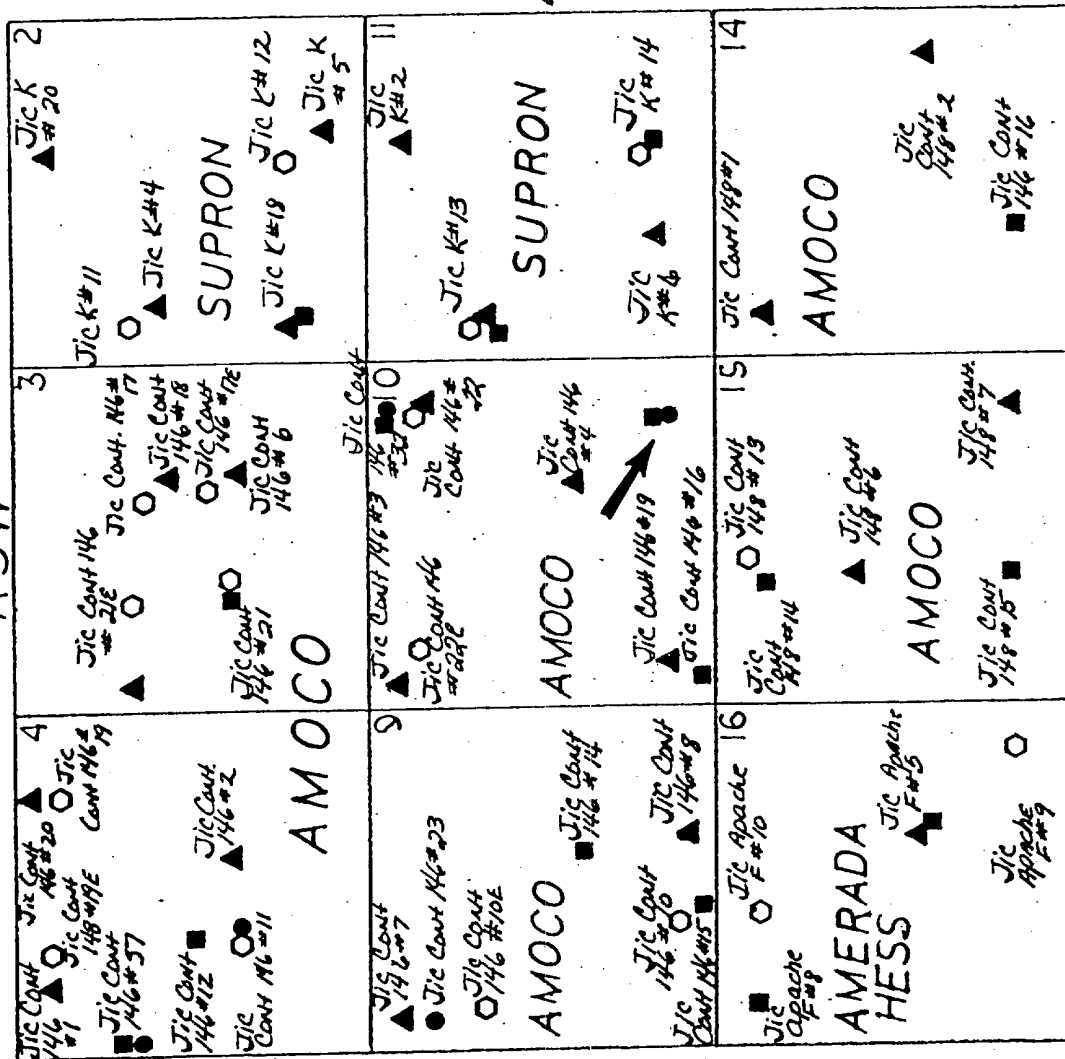
JICARILLA CONTRACT 146 #33

SCALE:

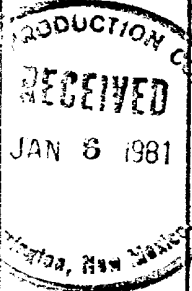
DRG.  
NO.

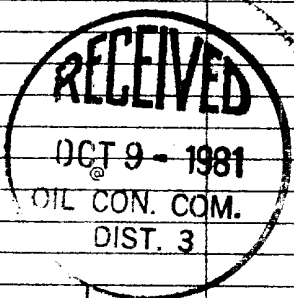
R5W

T 25 N



**GEARHART**DUAL INDUCTION  
LATEROLOG

FILING NO.		COMPANY <u>AMOCO PRODUCTION COMPANY</u>	
		WELL <u>JICARILLA CONTRACT 146 NO. 33</u>	
		FIELD <u>GONZALES MESA VERDE</u>	
		COUNTY <u>RIO ARriba</u> STATE <u>NEW MEXICO</u>	
LOCATION:		<u>970' FSL x 1120' FEL</u>	Other Services <u>CDL CNL GR</u>
SEC <u>10</u> TWP <u>25N</u> RGE <u>5W</u>			
Permanent Datum <u>GROUND LEVEL</u> Elev. <u>6883</u>		KB <u>6896</u>	
Log Measured from <u>K. B.</u> <u>13</u> Ft. Above Perm. Datum		DF <u>6895</u>	
Drilling Measured from <u>K. B.</u>		GL <u>6883</u>	
Date	<u>12-15-80</u>		
Run No.	<u>One</u>		
Depth-Driller	<u>5620</u>		
Depth-Logger	<u>5625</u>		
Bottom Logged Interval	<u>5624</u>		
Top Logged Interval	<u>284</u>		
Casing-Driller	<u>8 5 8 @ 285</u>	@	
Casing-Logger	<u>284</u>		
Bit Size	<u>7 7 8</u>		
Type Fluid in Hole	<u>Gel</u>		
Density and Viscosity	<u>9.2</u> <u>50</u>		
pH and Fluid Loss	<u>9.5</u> <u>7.4</u> cc	cc	cc
Source of Sample	<u>Mud Pit</u>		
Rm @ Meas. Temp.	<u>3.0</u> @ <u>44</u> °F	@ °F	@ °F
Rmf @ Meas. Temp.	<u>4.0</u> @ <u>54</u> °F	@ °F	@ °F
Rmc @ Meas. Temp.	<u>3.2</u> @ <u>54</u> °F	@ °F	@ °F
Source of Rmf and Rmc	<u>M</u> <u>M</u>		
Rm @ BHT	<u>1.3</u> @ <u>120</u> °F	@ °F	@ °F
Time	<u>06:30</u>		
End Circulation	<u>12:22</u>		
Logger on Bottom			
Max Rec. Temp. Deg. F.	<u>120</u> °F	°F	°F
Equip. No. and Location	<u>7514</u> <u>29-062</u>		
Recorded By	<u>Mease</u>		
Witnessed By	<u>Mr. Volz</u>		



03900

CHACRA

04000

4008'

2spf

4036'

○○○○○○○○○

04100

5336'

25pt

5364'

5374'

5378'

05400

MESAVERDE  
(POINT LOOKOUT)

25pt

5432'

5434'

5466'

25pt

5470'

05500

5502'

5506'

25pt

5516'

5518'

Gamma Ray

ONE MINUTE

EXPOSITION



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

Form C-107  
5-1-61

Operator Amoco Production Company		County Rio Arriba		Date October 8, 1981
Address 501 Airport Dr., Farmington, NM 87401		Lease Jicarilla Contract 146		Well No. 33
Location of Well	Unit P	Section 10	Township 25N	Range 5W

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b. Top and Bottom of Pay Section (Perforations)	4008'-4036'		5336'-5519'
c. Type of production (Oil or Gas)	GAS		GAS
d. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing

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.
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5336'  
MESAVERDE  
5519'

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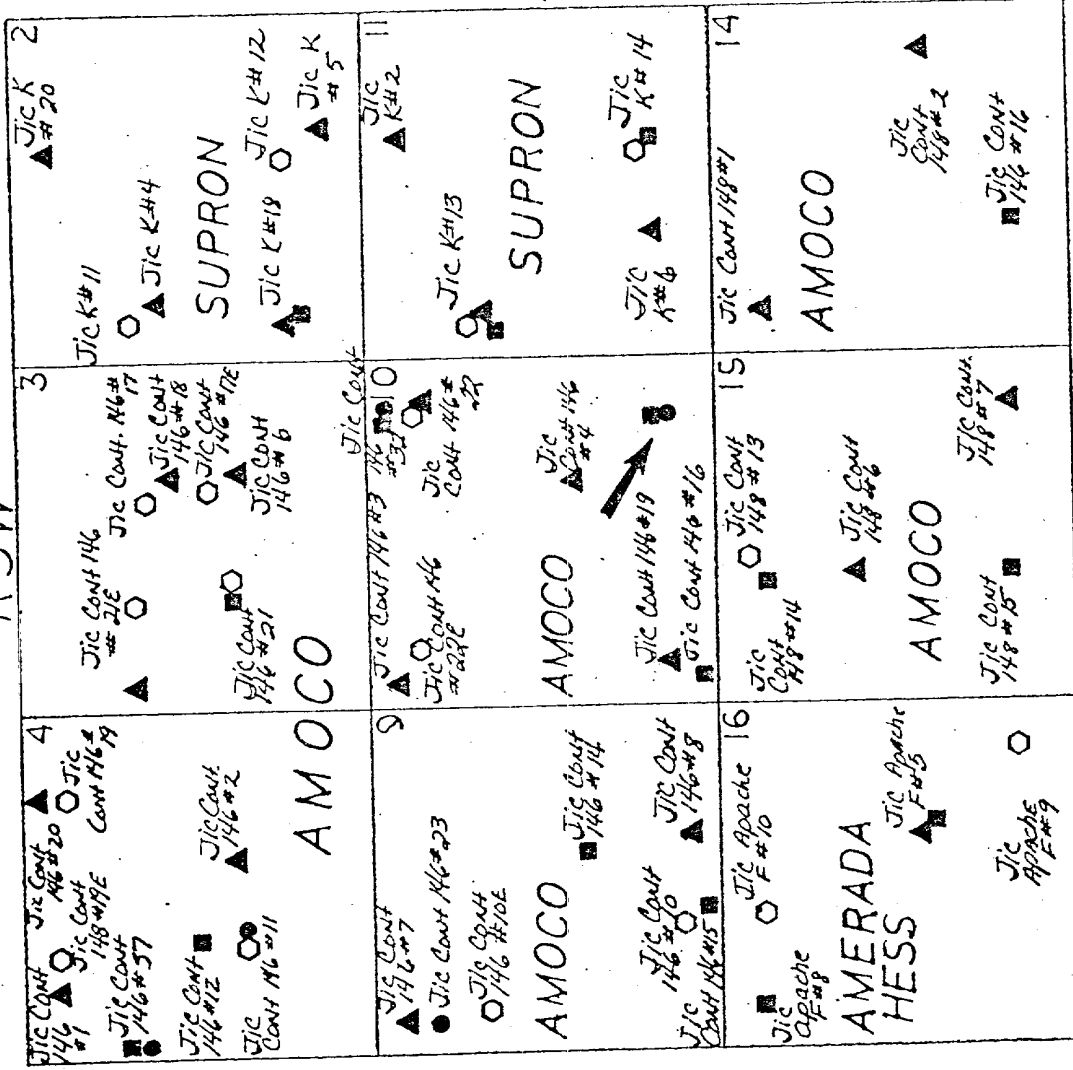
SCALE:

JICARILLA CONTRACT 146 #33

DRG.  
NO.

R5W

T 25 N



- BASIN DAKOTA WELLS
- ▲ SOUTH BLANCO PICTURED CLIFFS WELLS
- OTERO CHARGA WELLS
- GONZALES MESAVERDE WELLS

DUAL INDUCTION  
LATEROLOG

COMPANY AMOCO PRODUCTION COMPANY  
CONTRACT 146 NO. 3

COMPANY AMOCO PRODUCTION  
JICARILLA CONTRACT 146 NO. 33  
WELL HERDE

WELL \_\_\_\_\_  
FIELD \_\_\_\_\_  
GONZALES MESA VERDE  
STAT \_\_\_\_\_

FIELD GONZALES MESA STATE NEW MEXICO  
COUNTY RIO ARRIBA Other Service

LOCATION: 970' FSL x 1120' FEL

Other Services

CDL CNL GR

SEC 10 TWP 25N RGE 5W  
68

SEC. 10 TWP. 1  
Permanent Datum GROUND LEVEL Elev. 6883  
K.B. 13 Ft. Above Perm. Datum

Permanent Datum \_\_\_\_\_  
Log Measured from K. B.  
Drilling Measured from K. B.

Log Measured from K. B.  
Drilling Measured from K. B.

Date	12-15-60							
Run No.	One							
Depth-Driller	5620							
Depth-Logger	5625							
Bottom Logged Interval	5624							
Top Logged Interval	284							
Casing-Driller	8 5 8 @ 285							
Casing-Logger	284							
Bit Size	7 7 8							
Type Fluid in Hole	Gel							
Density and Viscosity	9.2 50							
pH and Fluid Loss	9.5 7.4 cc							
Source of Sample	Mud Pit							
Rm @ Meas. Temp.	3.0 @ 44 °F							
Rmf @ Meas. Temp.	4.0 @ 54 °F							
Rmc @ Meas. Temp.	3.2 @ 54 °F							
Source of Rmf and Rmc	M M							
Rm @ BHT	1.3 @ 120 °F							
End Circulation	06:30							
Logger on Bottom	12:22							
Max Rec. Temp. Deg. F.	120 °F							
Equip. No. and Location	7514 29-062							
	Mease							

03900

CHACRA

04000

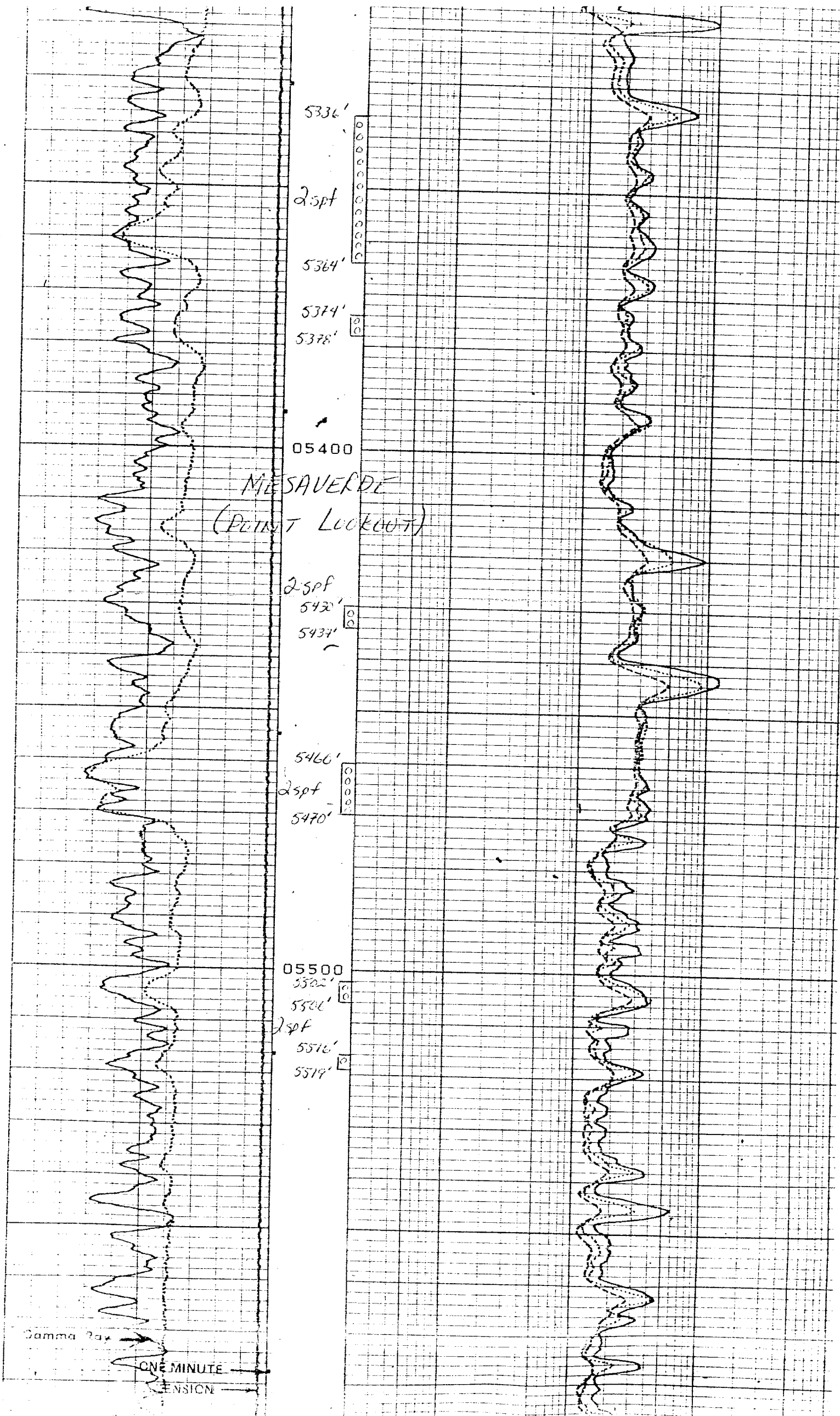
4008'

2spf

4036'

04100

0  
0  
0  
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0  
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5336'

25pt

5364'

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MESAUERDE  
(POINT LOOKOUT)

25pt

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Gamma Ray

ONE MINUTE

TENSION