

District I

1625 N. French Dr., Hobbs, NM 88240

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division

2040 South Pacheco

Santa Fe, NM 87505

Form C-101

Revised March 17, 1999

Submit to appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

☐ AMENDED REPORT

## APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address J. CLEO THOMPSON & JAMES CLEO THOMPSON, JR., L.P. 325 N. ST. PAUL, SUITE 4300 DALLAS, TEXAS 75201		<sup>2</sup> OGRID Number 11181
		<sup>3</sup> API Number 30-015-22169
<sup>3</sup> Property Code	<sup>5</sup> Property Name MESA ARRIBA	<sup>6</sup> Well No. 1

<sup>7</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	10	22-S	26-E		1980'	NORTH	660'	EAST	EDDY

<sup>8</sup> Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>9</sup> Proposed Pool 1 HAPPY VALLEY (STRAWN)						<sup>10</sup> Proposed Pool 2 HAPPY VALLEY (MORROW)			

<sup>11</sup> Work Type Code E	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary ROTARY	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 3179
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth 11500	<sup>18</sup> Formation BARNETT	<sup>19</sup> Contractor PATTERSON	<sup>20</sup> Spud Date UPON ARRIVAL

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2	13 3/8	48# & 54#	300'	300 SX	CIRC.
12 1/2	9 5/8	36#	2228'	2100 SX	CIRC.
8 3/4	5 1/2	17#	11500'	1000 SX	9000'

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.  
Describe the blowout prevention program, if any. Use additional sheets if necessary.

- 1.) MOVE IN RIG CAPABLE OF DRILLING & RUNNING CASING TO TOTAL DEPTH OF 11,500'.
- 2.) DRILL OUT CEMENT PLUGS DOWN TO 10,200'. DST STRAWN FROM 10,000 - 10,200'.
- 3.) UPON COMPLETING STRAWN TEST, CONTINUE TO DRILL CEMENT PLUGS TO T.D.
- 4.) RUN 5 1/2 CASING TO T.D. COMPLETE THE MORROW & STRAWN DEPENDING ON TEST RESULTS.
- 5.) BOP PROGRAM ATTACHED.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: MIKE FOWLER

Title: GEOLOGIST

Date: JUNE 13, 2003

Phone: (432)550-8887

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Conditions of Approval:

Attached ☐

Jim W. Burns

District Supervisor

JUL 11 2003

Expiration Date:

JUL 11 2004

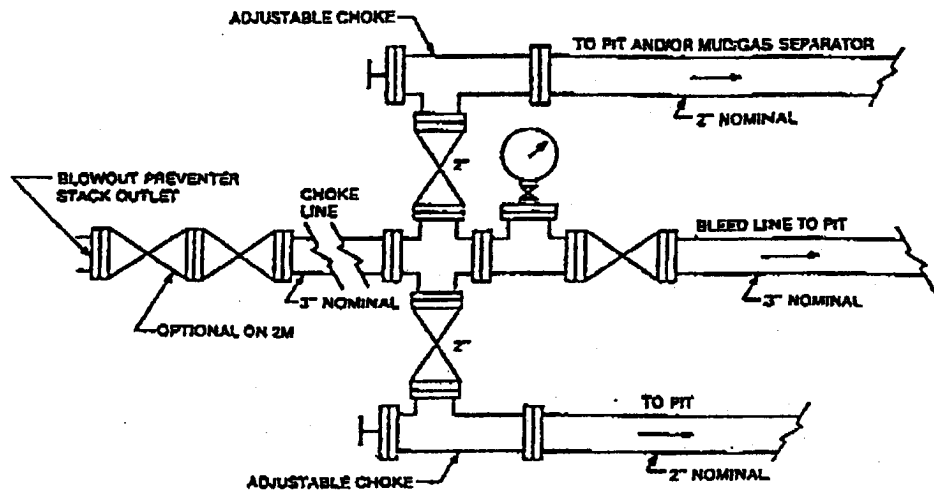


FIGURE K4-1. Typical choke manifold assembly for 2M and 3M rated working pressure service — surface installation.

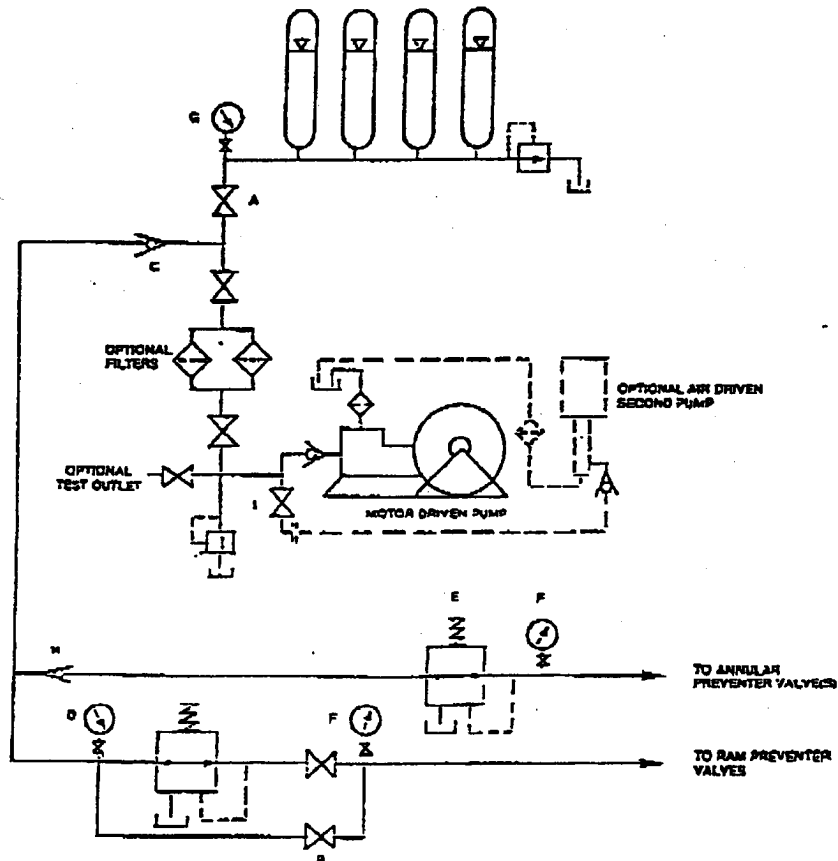


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.

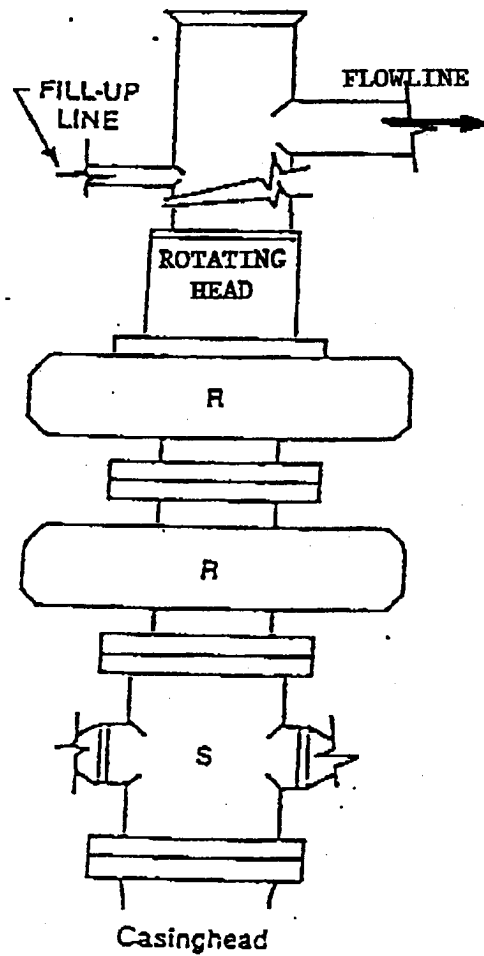


FIGURE K1-1. Recommended IADC Class 2 BOP stack, 2000 psi WP. Either SRd (left) or SA (right) arrangement is acceptable and drilling spool is optional.

**J. CLEO THOMPSON & JAMES CLEO THOMPSON, JR., L.P.**  
**WEST TEXAS DIVISION OFFICE**  
**P.O. BOX 12577**  
**ODESSA, TX 79768**  
**432/550-8887**

July 8, 2003

Oil Conservation Division  
Attn: Bryan Arrant  
1301 W. Grand Ave  
Artesia, NM 88210



Re: C 102 – Mesa Arriba #1

Dear Mr. Arrant,

Please find enclosed the form C-102 you requested. This form is part of the C-101 application dated 6-13-03.

Also, please be advised that no H<sub>2</sub>S is expected to encountered while working on this well. Thus, this well should not be subject to Rule 118.

If you have anymore questions concerning this application please contact Mike Fowler at 432-550-8887.

Thank you,

A handwritten signature in black ink, appearing to read 'Mike Fowler'.

Mike Fowler  
Geologist

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised August 15, 2000

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-22169	<sup>2</sup> Pool Code 73960	<sup>3</sup> Pool Name UNDESIGNATED - CARLSBAD MORROW SOUTH
<sup>4</sup> Property Code	<sup>5</sup> Property Name MESA ARRIBA	<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 11181	<sup>8</sup> Operator Name J. CLEO THOMPSON & JAMES CLEO THOMPSON, JR., L.P.	<sup>9</sup> Elevation 3179.2 GL

<sup>10</sup> Surface Location


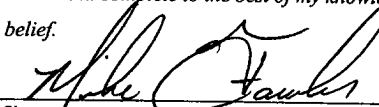
UL or lot no. H	Section 10	Township 22-S	Range 26-E	Lot Idn	Feet from the 1980	North/South line NORTH	Feet from the 660	East/West line EAST	County EDDY
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill N	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div>16</div> <div></div> <div>*SEE ATTACHED ORIGINAL PLAT*</div>	<div>17 OPERATOR CERTIFICATION</div> <div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</div> <div> Signature</div> <div>Mike Fowler Printed Name</div> <div>MIKE FOWLER Title</div> <div>GEOLOGIST Title</div> <div>Date JULY 1, 2003 Date</div> <div>18 SURVEYOR CERTIFICATION</div> <div>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</div> <div>Date of Survey</div> <div>Signature and Seal of Professional Surveyor:</div> <div>Certificate Number</div>
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New Mexico Oil Conservation Division  
C-102 Instructions

IF THIS IS AN AMENDED REPORT, CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed contact the appropriate OCD district office. Independent subdivision surveys will not be acceptable.

1. The OCD assigned API number for this well.
2. The pool code for this (proposed) completion.
3. The pool name for this (proposed) completion.
4. The property code for this (proposed) completion.
5. The property name (well name) for this (proposed) completion.
6. The well number for this (proposed) completion.
7. Operator's OGRID number.
8. The operator's name.
9. The ground level elevation of this well.
10. The surveyed surface location of this well measured from the section lines. NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD unit letter.
11. Proposed bottom hole location. If this is a horizontal hole indicate the location of the end of the hole.
12. The calculated acreage dedicated to this completion to the nearest hundredth of an acre.
13. Put a Y if more than one completion will be sharing this same acreage or N if this is the only completion on this acreage.
14. If more than one lease of different ownership has been dedicated to the well show the consolidation code from the following table:

C	Communitization
U	Unitization
F	Forced pooling
O	Other
P	Consolidation pending

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION!

15. Write in the OCD order(s) approving a non-standard location, non-standard spacing, or directional or horizontal drilling.
16. This grid represents a standard section. You may superimpose a non-standard section over this grid. Outline the dedicated acreage and the separate leases within that dedicated acreage. Show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. (Note: A legal location is determined from the perpendicular distance to the edge of the tract.) If this is a high angle or horizontal hole, show that portion of the well bore that is open within this pool.

Show all lots, lot numbers, and their respective acreage.

If more than one lease has been dedicated to this completion, outline each one and identify the ownership as to both working interest and royalty.
17. The signature, printed name, and title of the person authorized to make this report, and the date this document was signed.
18. The registered surveyors certification. This section does not have to be completed if this form has been previously accepted by the OCD and is being filed for a change of pool or dedicated acreage.

# NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

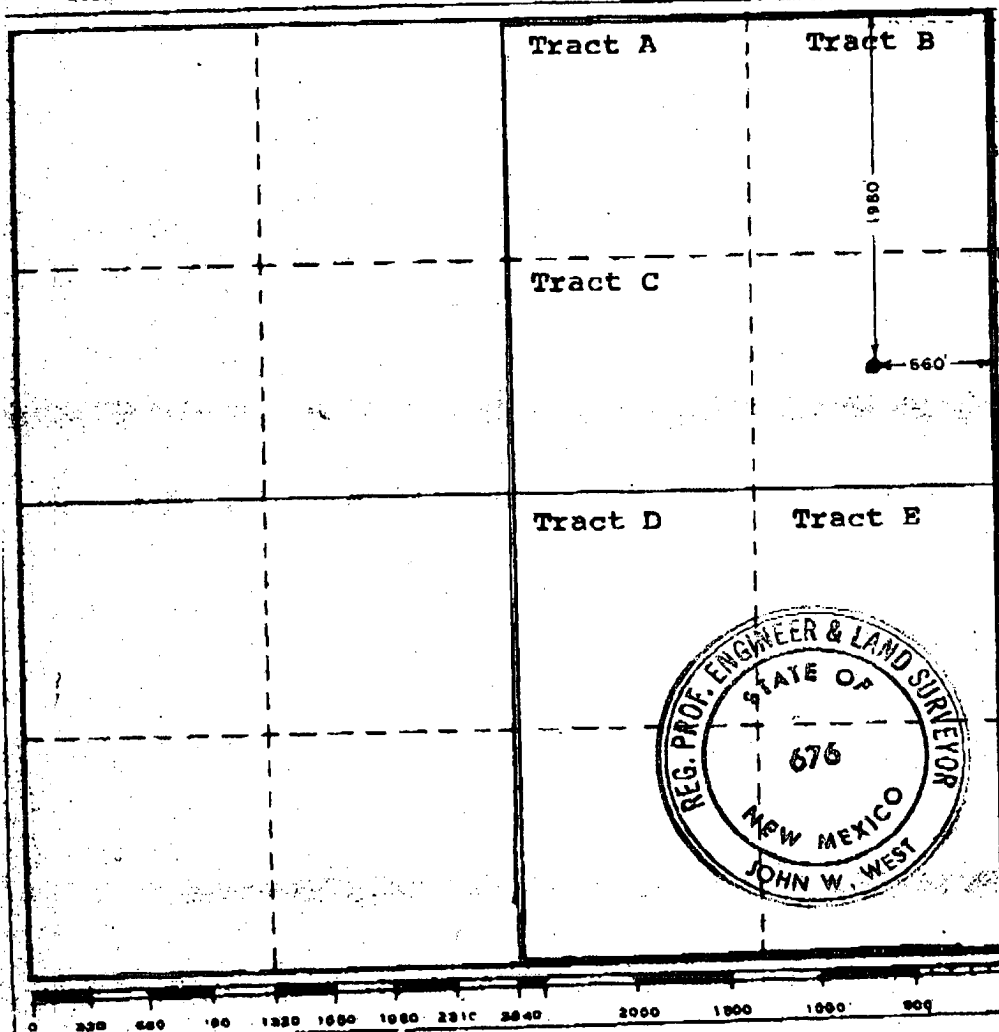
Owner <b>Morris R. Antweil</b>			Lease <b>Mesa Arriba</b>		Well No. <b>1</b>
Section <b>H</b>	Section <b>10</b>	Township <b>22 South</b>	Range <b>26 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>1980</b> feet from the <b>North</b> line and <b>660</b> feet from the <b>East</b> line.					
Ground Level Elev. <b>3179.2</b>	Producing Formation <b>Morrow</b>		Pool <b>Undesignated</b>		Dedicated Acreage: <b>320</b> Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☒ No If answer is "yes" type of consolidation Force Pooling Hearing-Case No. 5930

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) See Reverse Side

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



## CERTIFICATION

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

*R. M. Williams*  
Name

**R. M. Williams**  
Position

**Agent**  
Company

**Morris R. Antweil**  
Date

**20 May, 1977**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**May 18, 1977**

Registered Professional Engineer  
and/or Land Surveyor

*John W. West*  
Certification No.

**676**