

District I  
1625 N. French Drive, Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised June 10, 2003

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

APPLICATION TYPE  
☒ Single Well  
☐ Establish Pre-Approved Pools  
EXISTING WELLBORE  
☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

THOMPSON, J. CLEO

P.O. BOX 12577 ODESSA, TX 79768-2577

Operator

Address

MESA FEDERAL

1

A-15-T-22S-R26E

EDDY

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No. 11181

Property Code

API No. 30-015-33141

Lease Type: ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	ATOKA		MORROW
Pool Code			
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	10556' - 10562' (PERF)		11095'-11426' (PERF)
Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)		RECEIVED JUL 30 2004	
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1100 +/- MMBTU	<del>000-ARTERIA</del>	1100 MMBTU
Producing, Shut-In or New Zone	NEW ZONE		SHUT-IN
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 07/14/2004 Rates: 200 MCFPD	Date: Rates:	Date: 05/18/2004 Rates: 546 MCFPD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil                      Gas 50                      %    38                      %	Oil                      Gas %                      %	Oil                      Gas 50                      %    62                      %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

Yes ☒ No ☐  
Yes ☐ No ☐

Are all produced fluids from all commingled zones compatible with each other?

Yes ☒ No ☐

Will commingling decrease the value of production?

Yes ☐ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands  
or the United States Bureau of Land Management been notified in writing of this application?

Yes ☐ No ☒

NMOCD Reference Case No. applicable to this well: \_\_\_\_\_

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE Doug Dietrich TITLE ENGINEER DATE 07/20/2004

TYPE OR PRINT NAME DOUG DIETRICH TELEPHONE NO. ( ) (432)550-8887

E-MAIL ADDRESS Douglas.Dietrich@nts-online.net

NMOC

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

Bureau of Land Management  
620 E. Green.  
Carlsbad, New Mexico  
88220

NM LC 060490

RECEIVED

JUL 30 2004

OCD-ARTESIA

July 21, 2004

**Re: Mesa Federal #1 (API #30-015-33141) down hole commingle application  
information A-15-225-26E**

Dear Sir or Madam,

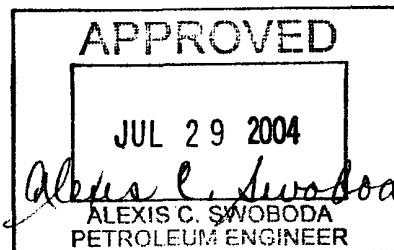
Attached, please find a copy of the NMOC application, form C-107A to down hole commingle the Atoka and Morrow zones in the Mesa Federal #1 (API #30-015-33141) well located in Eddy County, New Mexico. This application was sent to the New Mexico Oil & Gas Conservation Division office in Santa Fe, New Mexico on Monday, July 19 for their approval.

In an effort to keep all Regulatory parties informed we have elected to notify your office of our plans concerning the down hole commingle application. Upon the NMOC review and approval of this application we will proceed with our plans. This work as part of the ongoing completion process of this well will be included in the sundry notice and sent to you at the appropriate time. If you have any concerns or questions please give me a call at your earliest convenience at (432) 550-8887.

Sincerely,



Douglas Dietrich  
Engineer  
J. Cleo Thompson Oil producers



OPERATOR: J. CLEO THOMPSON  
WELL/LEASE: MESA FED. #1  
COUNTY: EDDY

003-0023

STATE OF NEW MEXICO  
DEVIATION REPORT

30-015-33141

207	3/4	7,735	2
580	1 1/4	7,830	2 1/4
797	1 3/4	7,925	2
1,047	3 1/4	8,052	1 1/2
1,172	2 1/2	8,211	1 1/4
1,299	2 1/2	8,464	1 1/2
1,457	1 3/4	8,717	3/4
1,584	1 3/4	9,193	1 1/2
1,740	1 1/2	9,478	1 3/4
1,898	1	9,763	1 3/4
2,088	3/4	9,982	1 1/2
2,469	1/2	10,167	1 1/2
2,736	3/4	10,614	1 3/4
2,995	3/4	11,088	1 3/4
3,500	0	11,590	1
3,976	1/2		
4,229	1/2		
4,562	1		
4,829	1		
5,083	1		
5,368	1		
5,621	3/4		
5,873	1/2		
6,158	3/4		
6,442	1/2		
6,724	1/2		
7,007	3/4		
7,355	2		
7,452	2 1/2		
7,577	2 1/2		



By: Steve Moore

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 13th day of February, 2004, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

Joni D. Hodges  
Notary Public for Midland County, Texas

My Commission Expires: 4/08/2007

