

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey, Division Director
Oil Conservation Division



Administrative Order DHC-4682

Order Date: July 8, 2014

Application Reference Number: pMAM1404233826

Cimarex Energy Company of Colorado
600 N. Marienfeld, Suite 600
Midland Texas 79701

NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 19 2015

Attention: David Catanach

RECEIVED

Liberty 24 Federal Well No. 2
API No. 30-015-33683
Unit L, Section 24, Township 25 South, Range 26 East, NMPM
Eddy County, New Mexico

Pool	SAGE DRAW; WOLFCAMP, EAST	Gas	96890
Names:	COTTONWOOD DRAW; UPPER PENN	Gas	97354

Reference is made to your recent application for an exception to 19.15.12.9A. NMAC of the Division Rules and Regulations to permit the above-described well to commingle production from the subject pools in the wellbore.

It appears that the subject well qualifies for approval for such exception pursuant to the provisions of 19.15.12.11A. NMAC, and since reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion or otherwise required separation of the zones is hereby placed in abeyance.

In accordance with 19.15.12.11A.(6) NMAC, the production attributed to any commingled pool within the well shall not exceed the allowable applicable to that pool.

As per the application, the assignment of allowable and allocation of production from the subject well shall be based on the production log that was conducted on the well.

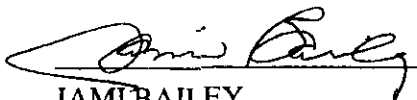
Assignment of allowable and allocation of production from the well shall be as follows:

SAGE DRAW; WOLFCAMP, EAST	Pct. Gas: 70	Pct. Oil: 71
COTTON DRAW; UPPER PENN	Pct. Gas: 30	Pct. Oil: 29

The production allocation percentages of oil and gas between these pools shall be supplied to the Division's Santa Fe office within 60 days following completion of this well or workover.

REMARKS: The operator shall notify the Division's district I office upon implementation of commingling operations.

Pursuant to 19.15.12.11B. NMAC, the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.



JAMI BAILEY
Director

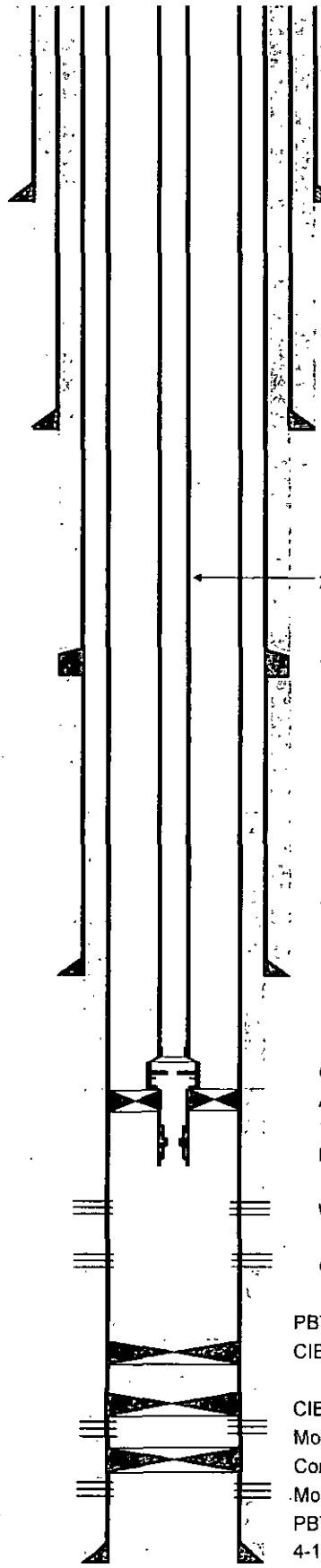
JB/mam

cc: New Mexico Oil Conservation Division – Artesia
Bureau of Land Management - Carlsbad



KB - 18' above GL

Cimarex Energy Co. of Colorado
Liberty 24 Federal Com #2
1475' FSL & 940' FWL
Sec. 24, T-25-S, R-26-E, Eddy Co., NM
H. Eads 11/26/2013



13-3/8", 54.5# J-55 csg @ 220'
cmtd w/ 250 sx, cmt circ

9-5/8", 40# P-100 & N-80 csg @ 1935'
cmtd w/ 650 sx, cmt circ

282 jts 2-3/8" 4.7# L-80 Tbg

DV Tool @ 4900'
cmtd w/ 615 sx, cmt circ

TOC @ 7446' by CBL

7" 23# P-110 @ 9016'
cmtd w/ 500 sx, cmt circ

On-off Tool w/ 1.875" X Profile Nipple
Arrowset pkr @ 9294'
1.875" XN Profile Nipple
EOT @ 9306'

Wolfcamp perms (9375' - 9877')

Cisco Canyon perms (10260' - 10538')

PBTD @ 11,426'
CIBP @ 11,461' w/ 35' cmt

CIBP @ 11,506' w/ 35' cmt
Morrow perms (11556' - 11746')
Composite BP @ 11800'

Morrow perms (11839' - 11956')
PBTD @ 12180'
4-1/2" 11.6# P-110 @ 12330' cmtd w/ 400 sx
TD @ 12330'

Gas Lift Valves @ 1845', 3253',
4462', 5412', 6134', 6791', 7448',
8104', 8695', 9253'