

Submit 3 Copies
To Appropriate
District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

DISTRICT II
811 South First, Artesia NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.

30-039-25135

5. Indicate Type of Lease
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement
Name:

ROSA UNIT

8. Well No.

100E

9. Pool name or Wildcat

BASIN DK

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH
PROPOSALS)

1. Type of Well:
Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

WILLIAMS PRODUCTION COMPANY

3. Address of Operator

P O BOX 3102, MS 25-4, TULSA, OK 74101

4. Well Location (Surface)

Unit letter I : 1570 feet from the SOUTH line & 870 feet from the EAST line Sec 21-31N-6W RIO ARRIBA, NM

10. Elevation (Show whether DF, RKB, RT, GR, etc.
6268' GR

Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL
WORK

PLUG AND ABANDON

TEMPORARILY ABANDON

CHANGE PLANS

PULL OR ALTER CASING

X OTHER: COMMINGLE

SUBSEQUENT REPORT OF:

REMEDIAL WORK

ALTERING CASING

COMMENCE DRILLING OPNS.

PLUG AND
ABANDONMENT

CASING TEST AND CEMENT JOB

OTHER: _____

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103.

Commingle Procedure:

1. Pull Pictured Cliffs tubing
2. Pull Mesa Verde tubing
3. Remove Production packer
4. Clean out to PBTD
5. Acid stimulate each formation
6. Complete with single string 2-3/8" tubing, landed @ 5790', below MV perfs
7. Install pumping unit system
8. Remove one set of wellhead facilities
9. Return to production as PV/MVcommingle

Please see attached for continuation of commingle procedure:

DWC 4023

RCVD JUN 13 '08
OIL CONS. DIV.
DIST. 3

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

SIGNATURE Rachel Lipperd TITLE: Engineering Technician DATE: June 10, 2008

Type or print name Rachel Lipperd

Telephone No: (918) 573-3046

(This space for State use)

APPROVED BY [Signature]

TITLE

Deputy Oil & Gas Inspector JUN 20 2008
District #3

Conditions of approval, if any:



ENERGY SERVICES
Exploration & Production

SUBJECT: Rosa Unit #100E PC/MV Dual
Commingle and Pumping Unit Install

William's recommends acid stimulating and commingling the Pictured Cliffs and Mesa Verde formations in the Rosa 100E. A beam pumping unit system will be installed to artificially lift the well.

Currently the Rosa 100E is a dual completion, each zone is completed with 1-1/2", 2.9 lb, J-55 production tubing. The Pictured Cliffs is not producing do to scale damage, fill across perforations and our inability to unload water from the reservoir. The Mesa Verde is producing with a stop clock program an average of 75 MCFD. The small tubing completion is not conducive to plunger lift or reduction in bottom hole flowing pressure do to frictional pressure losses. In addition the dual completion limits our ability to remove scale and fill from across the Mesa Verde perforations.

Commingling the well and installing a beam pumping unit system will keep the well unloaded, eliminate frictional pressure losses up tubing, and lower bottom hole flowing pressure so more remaining reserves can be captured.

Production allocation for this commingle will be based on historical production data from each zone. See attached commingle approval letter.

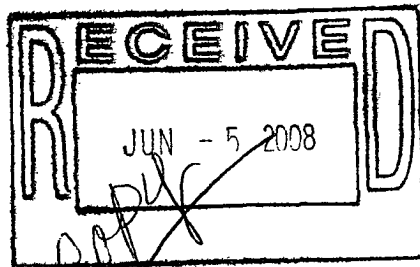
Michael Coker

Michael Coker 6/10/2008
Sr. Production Engineer

New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary



Mark Fesmire
Division Director
Oil Conservation Division



Administrative Order DHC-4023
Order Date: 5/30/2008

Application Reference Number: pKVR0813429095

WILLIAMS PRODUCTION COMPANY, LLC
P. O. BOX 3102, MS 25-4
TULSA, OK 74101

Attention: OCEAN MUNDS-DRY, ATTORNEY

ROSA UNIT Well No. 100E
API No: 30-039-25135
Unit I, Section 21, Township 31 North, Range 6 West, NMPM
Rio Arriba County, New Mexico

Pool: Blanco-Mesaverde(Prorated Gas) Gas 72319
Names: Rosa;Pictured Cliffs (Gas) Gas 96175

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above-described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that 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 Division 303C.(1)(f), the production attributed to any commingled pool within the well shall not exceed the allowable applicable to that pool.

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

Blanco-Mesaverde(Prorated Gas) Pool	Pct Gas: 33	Pct Oil: 0
Rosa;Pictured Cliffs (Gas) Pool	Pct Gas: 67	Pct Oil: 0

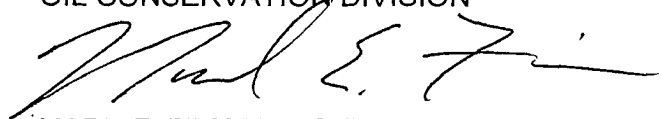
These percentages shall be amended only with written permission of the Division.



REMARKS: The operator shall notify the Aztec District Office of the Division upon implementation of commingling operations.

Pursuant to Rule 303C(2), the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

A handwritten signature in black ink, appearing to read "Mark E. Fesmire", is written over the printed name.

MARK E. FESMIRE, P.E.
Director

cc: Oil Conservation Division – Aztec
Bureau of Land Management - Farmington

ROSA UNIT #100E PC/MV

Location: 1570' FSL, 870' FEL
NE/4 SE/4 Section 21, T31N, R6W
Rio Arriba, NM
Elevation: 6268' GR

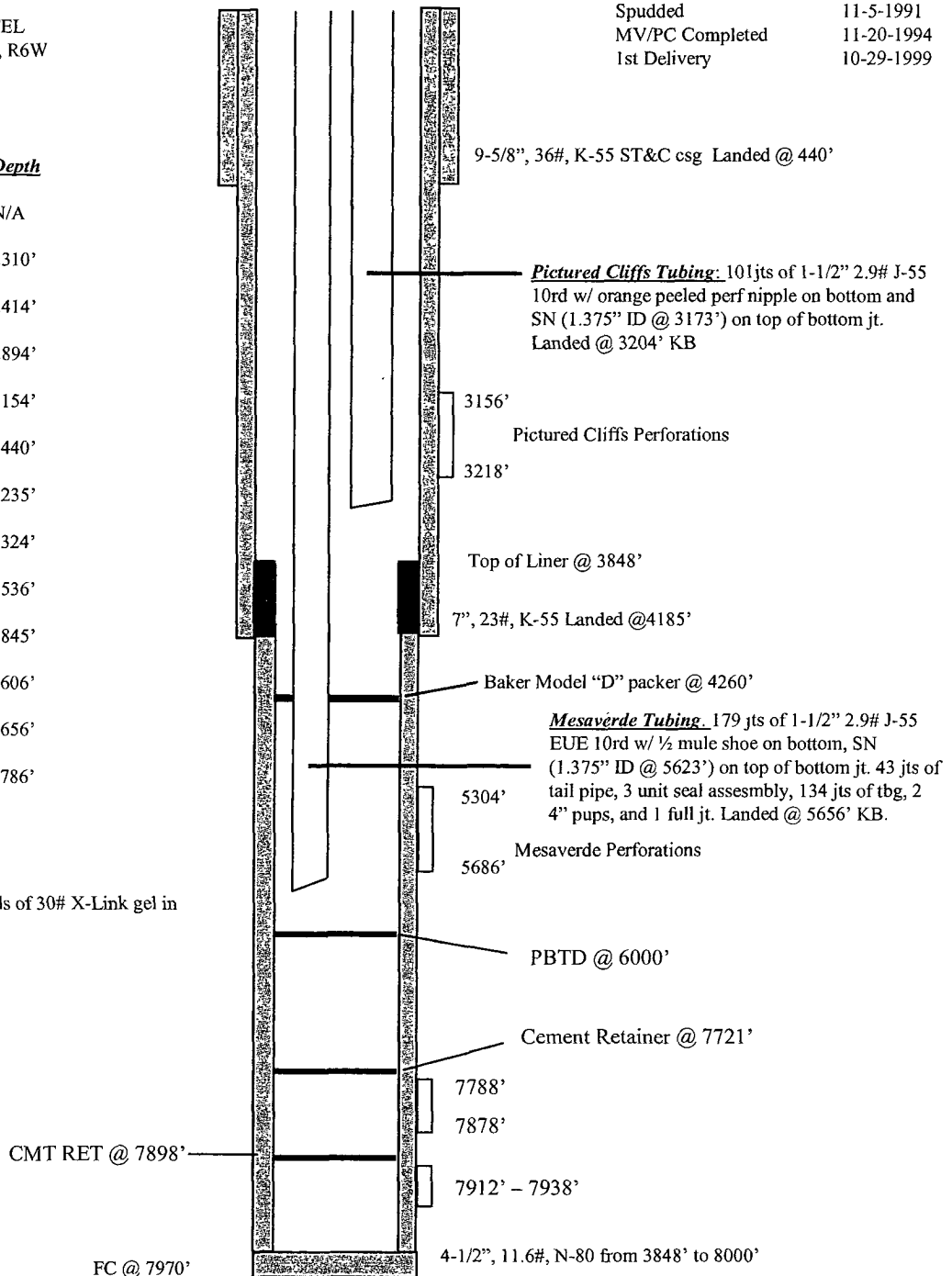
Spudded 11-5-1991
MV/PC Completed 11-20-1994
1st Delivery 10-29-1999

<u>Tops</u>	<u>Depth</u>
Nacimiento	N/A
Ojo Alamo	2310'
Kirtland	2414'
Fruitland	2894'
Pictured Cliffs	3154'
Lewis	3440'
Cliff House	5235'
Menefee	5324'
Point Lookout	5536'
Mancos	5845'
Greenhorn	7606'
Graneros	7656'
Dakota	7786'

STIMULATION

Pictured Cliffs 3156' - 3218'
97,000# 20/40 sand in 59,360 gals of 30# X-Link gel in 70 qual foam.

Mesa Verde 5304' - 5686'
103,200# 20/40 in 101,430 gals



HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8" 36#	285 s x	336 CUFT	SURFACE
8-3/4"	7" 23#	960 s x	1107 CUFT	SURFACE
6-1/4"	4-1/2" 1.6#	670 s x	790 CUFT	LINER TOP