

2/09/2015 DATE IN	SUSPENSE	ENGINEER	2/05/2015 LOGGED IN	DHL TYPE	P44AM1503464978 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

**[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

**[1] TYPE OF APPLICATION - Check Those Which Apply for [A]**

- [A] Location - Spacing Unit - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement  
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify \_\_\_\_\_

**[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☒ Does Not Apply**

- [A] ☒ Working, Royalty or Overriding Royalty Interest Owners  
 [B] ☐ Offset Operators, Leaseholders or Surface Owner  
 [C] ☐ Application is One Which Requires Published Legal Notice  
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
 [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,  
 [F] ☐ Waivers are Attached

**[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

**[4] CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

KENNETH DAVIS

Print or Type Name

[Signature]

Signature

STAFF REGULATORY TECHNICIAN

Title

2/3/15

Date

Kenny.M.davis@conocoPhillips.com  
 e-mail Address

- DHL 4732  
 - Burlington Resources  
 Oil & Gas Company, LP  
 14538  
 W-24  
 - Jizania 150 #88  
 30-039-23479  
 PD 01  
 - BLANCO mesa 72319  
 - BASIN DAKOTA 71599  
 - BS mesa Gallup 7292  
 2015 FEB - 5 9:04  
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District I  
1625 N. French Drive, Hobbs, NM 88240

District II  
811 S. First St., 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 August 1, 2011

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

Burlington Resources Oil & Gas Company LP P.O Box 4289, Farmington NM, 87499-4239  
Operator Address  
Jicarilla 150 8E I-002-026N-005W Rio Arriba  
Lease Well No. Unit Letter-Section-Township-Range County  
OGRID No. 14538 Property Code 16344 API No. 3003923479 Lease Type: ☐ Federal ☐ State ☒ Tribal

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	BLANCO-MESAVERDE	BASIN MESA GALLUP	BASIN DAKOTA
Pool Code	72319	72920	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	4350-6042	6563-7576	7630-7843
Method of Production (Flowing or Artificial Lift)	Flowing	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)	1,100 psi 20	Initial: 1867 psi Current Estimated: 1680psi 26	Initial: 1867 psi Current Estimated: 1680psi 23
Oil Gravity or Gas BTU (Degree API or Gas BTU)	~1230 (offset SA MV)	1232	1232
Producing, Shut-In or New Zone	NEW ZONE	PRODUCING	PRODUCING
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: Rates:	Date: DEC 2014 Rates: 17 Mcfd	Date: DEC 2014 Rates: 8.7 Mcfd
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Will be based on Subtraction Allocation (see attached)	Will be based on Subtraction Allocation (see attached)	Will be based on Subtraction Allocation (see attached)

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? 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  TITLE Reservoir Engineer DATE 2/3/2015  
TYPE OR PRINT NAME Ephraim Schofield TELEPHONE NO. ( 505 ) 326-9826  
E-MAIL ADDRESS Ephraim.W.Schofield@ConocoPhillips.com

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural**  
**Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102

August 1, 2011

Permit 198134

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number <b>3003923479</b>	2. Pool Code <b>72319</b>	3. Pool Name <b>BLANCO-MESAVERDE (PRORATED GAS)</b>
4. Property Code <b>16344</b>	5. Property Name <b>JICARILLA 150</b>	6. Well No. <b>008E</b>
7. OGRID No. <b>14538</b>	8. Operator Name <b>BURLINGTON RESOURCES OIL &amp; GAS COMPANY LP</b>	9. Elevation <b>6731</b>

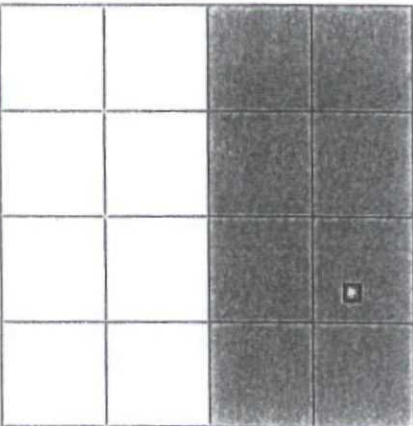
**10. Surface Location**

UL - Lot <b>1</b>	Section <b>2</b>	Township <b>26N</b>	Range <b>05W</b>	Lot Idn	Feet From <b>1710</b>	N/S Line <b>S</b>	Feet From <b>810</b>	E/W Line <b>E</b>	County <b>RIO ARriba</b>
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**11. Bottom Hole Location If Different From Surface**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres <b>319.83 (East 1/2)</b>	13. Joint or Infill		14. Consolidation Code				15. Order No.		

**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**

	<p style="text-align: center;"><b>OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p>E-Signed By: <b>Kenny Davis</b> Title: <b>Staff Regulatory Technician</b> Date: <b>01/14/2015</b></p> <p style="text-align: center;"><b>SURVEYOR CERTIFICATION</b></p> <p><i>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.</i></p> <p>Surveyed By: <b>Rudy Motto</b> Date of Survey: <b>3/24/1982</b> Certificate Number: <b>1463</b></p>
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NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-120  
Effective 1-1-83

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

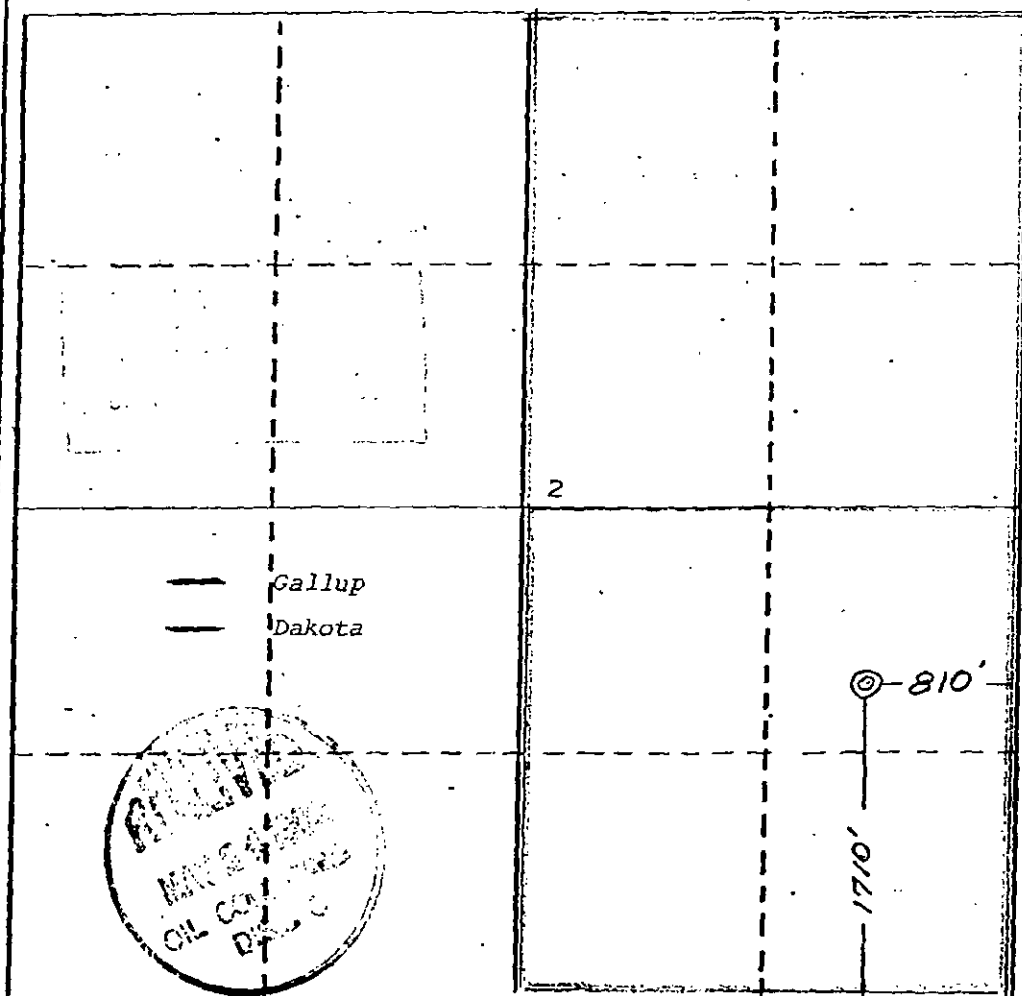
Operator <b>SUPRON ENERGY CORPORATION</b>			Lease <b>JICARILLA G</b>		Well No. <b>8E</b>
Unit Letter <b>I</b>	Section <b>2</b>	Township <b>26 NORTH</b>	Range <b>5 WEST</b>	County <b>RIO ARriba</b>	
Actual Footage Location of Well: <b>1710</b> feet from the <b>SOUTH</b> line and <b>810</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>6731</b>	Producing Formation <b>GALLUP DAKOTA</b>		Pool <b>BS MESA F. &amp; BASIN</b>		Dedicated Acreage: <b>NE of SE/4 160</b> <b>8/2 320 F. &amp; S. Acres</b>

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. 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 \_\_\_\_\_

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

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.

*Rudy D. Motto*  
Name

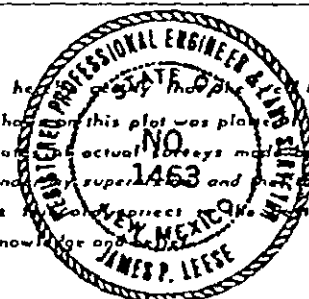
Rudy D. Motto  
Position

Area Superintendent  
Company

Supron Energy Corporation  
Date

March 26, 1982

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



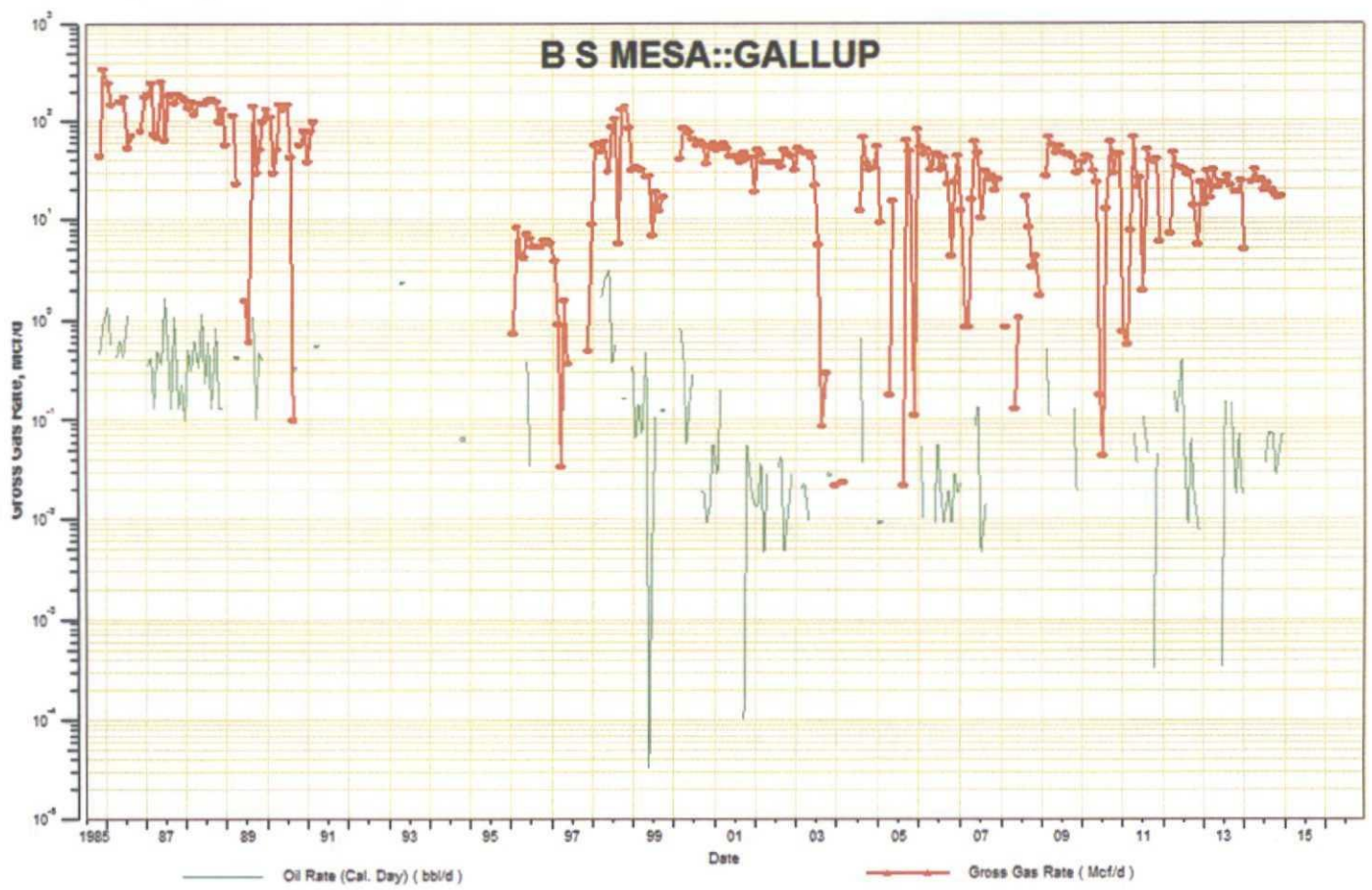
Date Surveyed  
March 24, 1982

Registered Professional Engineer and/or Land Surveyor  
*James P. Leese*  
James P. Leese

Certificate No.  
1463

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

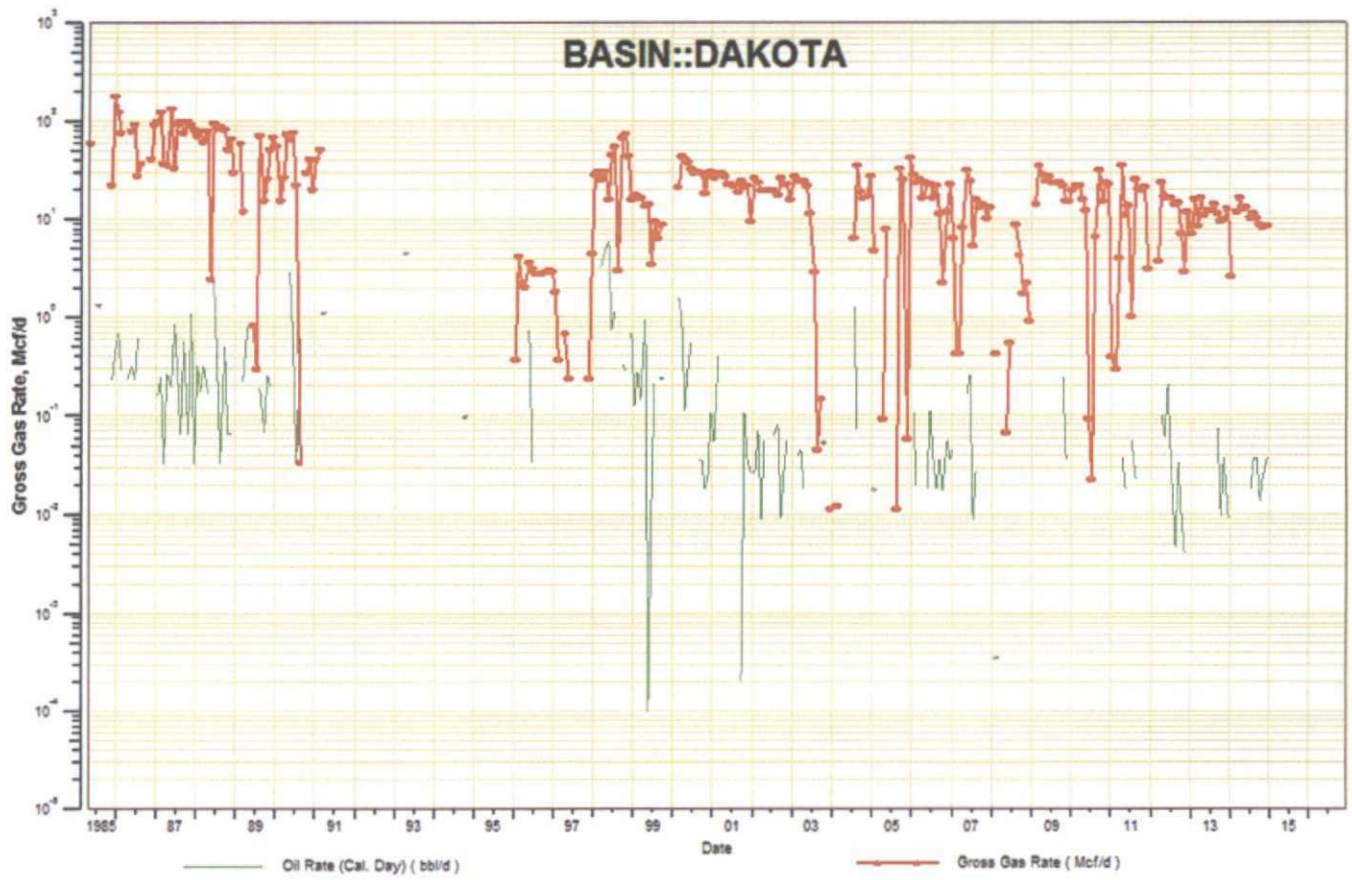




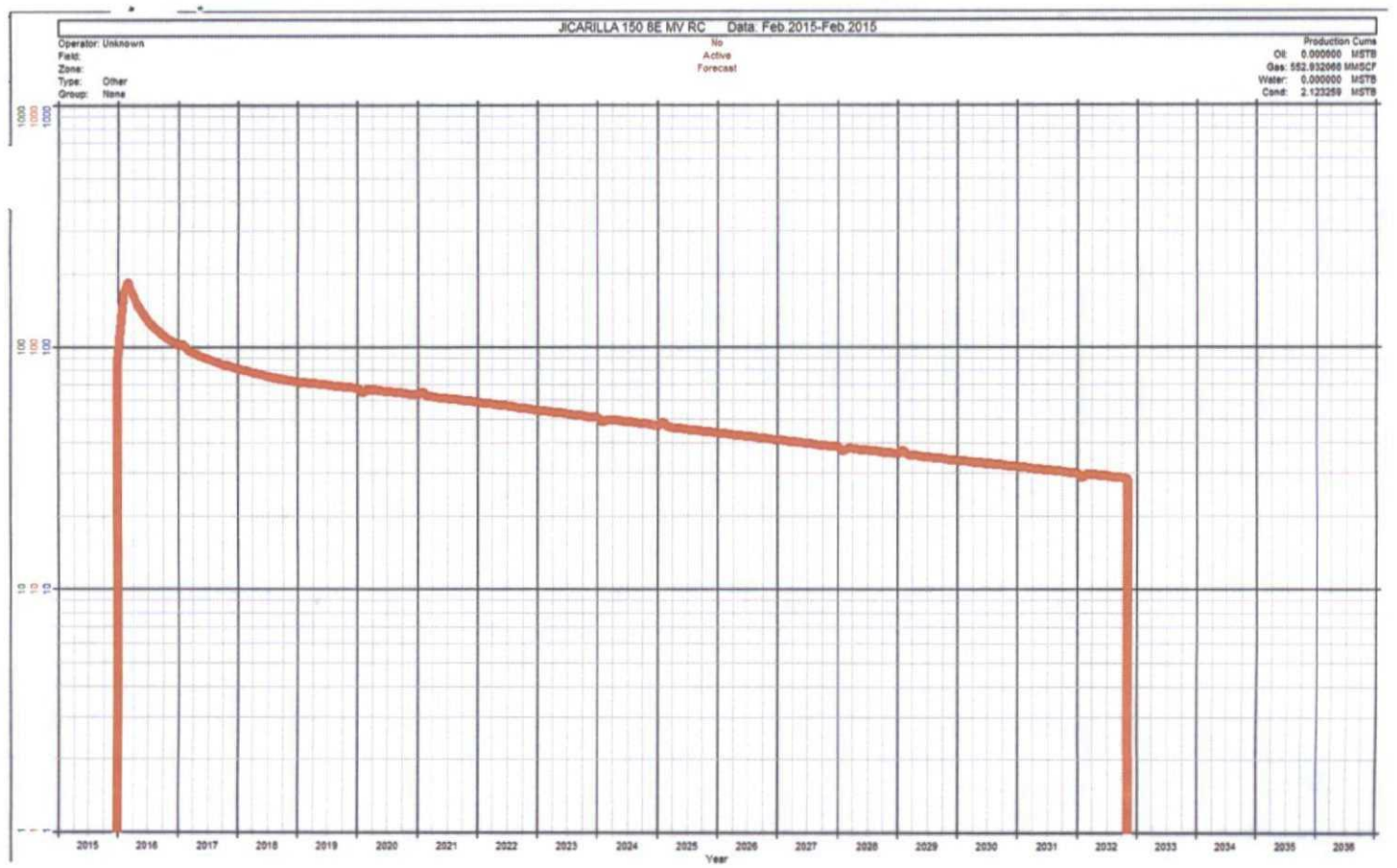
Well ID: BR3605602 API - 300392347900C01

JICARILLA 150 8E\_DK  
26N5W 2

RMS Name: 720198 20076 JICARILLA 150 8E DK



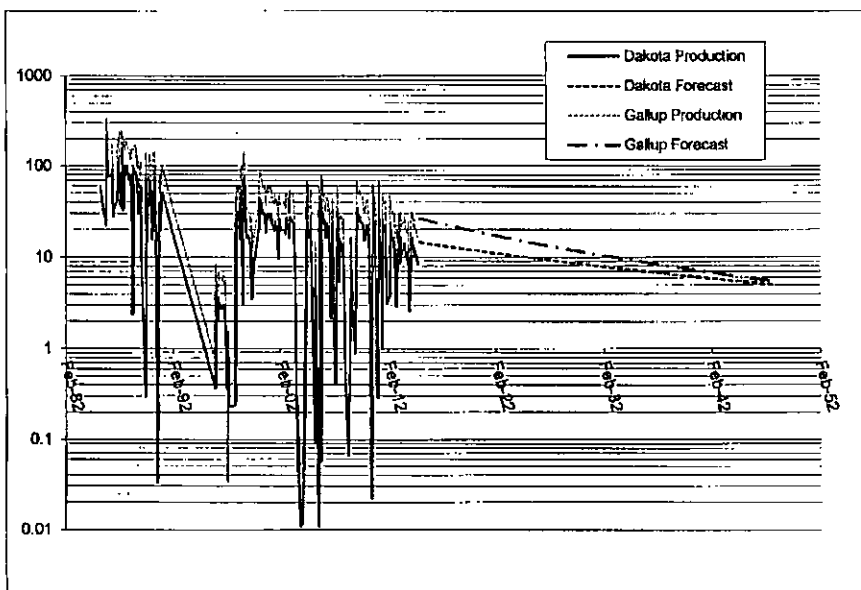
# Mesaverde Expected Forecast



## Jicarilla 150 8E Subtraction Allocation Attachment

ConocoPhillips requests that production for the downhole commingle of the Jicarilla 150 8E be allocated using the subtraction method. The base formations are the Dakota and Gallup and the added formation to be commingled is the Mesa Verde.

The subtraction method applies an average monthly production forecast to the base formation(s) using historic production. All production from this well exceeding the forecast will be allocated to the new formation(s).



Total Forecast	
Date	MCFD
Jan-16	38.72
Feb-16	38.54
Mar-16	38.37
Apr-16	38.20
May-16	38.02
Jun-16	37.85
Jul-16	37.68
Aug-16	37.51
Sep-16	37.34
Oct-16	37.17
Nov-16	37.01
Dec-16	36.84
Jan-17	36.67
Feb-17	36.51
Mar-17	36.36
Apr-17	36.20
May-17	36.04
Jun-17	35.88
Jul-17	35.72
Aug-17	35.56
Sep-17	35.40
Oct-17	35.25
Nov-17	35.09
Dec-17	34.94
Jan-18	34.78
Feb-18	34.64
Mar-18	34.49
Apr-18	34.34
May-18	34.19
Jun-18	34.04
Jul-18	33.90
Aug-18	33.75
Sep-18	33.60
Oct-18	33.46
Nov-18	33.32
Dec-18	33.17
Jan-19	33.03
Feb-19	32.89
Mar-19	32.76
Apr-19	32.62
May-19	32.48
Jun-19	32.34
Jul-19	32.21
Aug-19	32.07
Sep-19	31.93
Oct-19	31.80
Nov-19	31.67
Dec-19	31.53

Oil production will be allocated based on average formation yields from offset wells. Average yields for each formation are below:

Formation	Yield	Gas EUR	Oil Allocation
Dakota	7.56 bbl/mmscf	0.203 BCF	42%
Gallup	0.11 bbl/mmscf	0.518 BCF	2%
Mesa Verde	3.8 bbl/mmscf	0.552 BCF	56%

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 8185  
Order No. R-7539

APPLICATION OF UNION TEXAS PETROLEUM  
CORPORATION FOR DOWNHOLE COMMINGLING,  
RIO ARriba COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8 a.m. on May 9, 1984,  
at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 21st day of May, 1984, the Division  
Director, having considered the testimony, the record, and the  
recommendations of the Examiner, and being fully advised in the  
premises,

FINDS:

(1) That due public notice having been given as required  
by law, the Division has jurisdiction of this cause and the  
subject matter thereof.

(2) That the applicant, Union Texas Petroleum  
Corporation, is the owner and operator of the Jicarilla "G"  
Well No. 8-E, located 1710 feet from the South line and 810  
feet from the East line of Section 2, Township 26 North, Range  
5 West, NMPM, Rio Arriba County, New Mexico.

(3) That the applicant seeks authority to commingle  
Gallup and Basin-Dakota production within the wellbore of the  
above-described well.

(4) That from each of said zones, the subject well is or  
is expected to be capable of marginal production only.

(5) That the proposed commingling may result in the  
recovery of additional hydrocarbons from each of the subject  
pools, thereby preventing waste, and will not violate  
correlative rights.

(6) That the reservoir characteristics of each of the  
subject zones are such that underground waste would not be

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MAY 25 1984

OIL CON. DIV.

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caused by the proposed commingling provided that the well is not shut-in for an extended period.

(7) That to afford the Division the opportunity to assess the potential for waste and to expeditiously order appropriate remedial action, the operator should notify the Aztec district office of the Division any time the subject well is shut-in for 7 consecutive days.

(8) That in order to allocate the commingled production to each of the commingled zones in the well, applicant should consult with the supervisor of the Aztec district office of the Division and determine an allocation formula for each of the production zones.

IT IS THEREFORE ORDERED:

(1) That the applicant, Union Texas Petroleum Corporation, is hereby authorized to commingle Gallup and Basin-Dakota production within the wellbore of the Jicarilla "G" Well No. 8-E, located 1710 feet from the South line and 810 feet from the East line of Section 2, Township 26 North, Range 5 West, NMPM, Rio Arriba County, New Mexico.

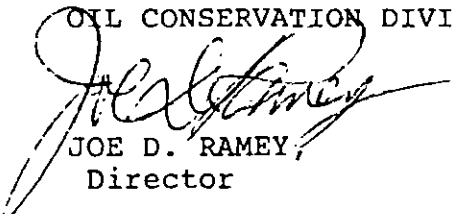
(2) That the applicant shall consult with the Supervisor of the Aztec district office of the Division and determine an allocation formula for the allocation of production to each zone in the subject well.

(3) That the operator of the subject well shall immediately notify the Division's Aztec district office any time the well has been shut-in for 7 consecutive days and shall concurrently present, to the Division, a plan for remedial action.

(4) That jurisdiction of this cause is 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,  
Director

S E A L



Richard Corcoran  
Staff Landman  
San Juan Business Unit  
Suite 435  
ConocoPhillips Company  
3401 E. 30<sup>th</sup> St.  
Farmington, NM 87402  
Off: 505.326.9589  
Richard.corcoran@conocophillips.com

February 11, 2015

Michael A. McMillan  
Engineering and Geological Services Bureau, Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM, 87505

Re: Application to Trimingle

B.S. Mesa Gallup, Blanco Mesaverde, Basin Dakota  
Jicarilla 150 #8E  
Section 2, T26N-R5W  
Rio Arriba County, NM

Reference is made to ConocoPhillips Company's application to trimingle the B.S. Mesa Gallup, Blanco Mesaverde, Basin Dakota formations in the Jicarilla 150 #8E (API 3003923479) well, located in the NE4SE4 of Section 2, T26N-R5W, Rio Arriba County, NM

This is to confirm that ConocoPhillips Company is the owner of the Working Interest and the Jicarilla Apache Tribe is the only Royalty interest owner in the 3 formations we are proposing to trimingle, and the ownership remains constant over the prospective formations.

We appreciate your attention to this matter and if there should be any questions, please let me know.

Thank you.

A handwritten signature in black ink that reads "Richard Corcoran". The signature is fluid and cursive, with the first name and last name clearly distinguishable.

Richard Corcoran  
Staff Landman