

DATE IN <u>2.27.11</u>	SUSPENSE	ENGINEER <u>WVJ</u>	LOGGED IN <u>12.27.11</u>	TYPE <u>DHC</u> <u>4500</u>	APP NO. <u>1136144829</u>
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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



Burlington

12Lein 19P

ADMINISTRATIVE APPLICATION CHECKLIST 30-039-3077-0

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.

Arleen Kellywood
 Print or Type Name

Arleen Kellywood
 Signature

Staff Regulatory Tech 12/19/11
 Title Date

Klein 19 P
30.039-30770

arleen.r.kellywood@conocophillips.com
 e-mail Address

2011 DEC 23 PM 12:47
 RECEIVED OGD

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
X Single Well
____ Establish Pre-Approved Pools
EXISTING WELLBORE
____ Yes X No

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil & Gas P.O.Box 4289 Farmington, NM 87499
Operator Address
Klein 19P Unit G, Sec. 34, 026N, 006W RIO ARRIBA
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No: 14538 Property Code 7228 API No. 30039307700000 Lease Type: X Federal ____ State ____ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	BLANCO MESAVERDE	BASIN MANCOS	BASIN DAKOTA
Pool Code	72319	97232	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	4360'-5350' estimated	6050'-6850' estimated	7160'-7360' estimated
Method of Production (Flowing or Artificial Lift)	New Zone	New Zone	New Zone
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)	1334psi	1850psi	2294psi OK
Oil Gravity or Gas BTU (Degree API or Gas BTU)	BTU 1000	BTU 1000	BTU 1000
Producing, Shut-In or New Zone	New Zone	New Zone	New Zone
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: N/A Rates: N/A	Date: N/A Rates: N/A	Date: N/A Rates: N/A
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 Will be supplied upon completion	Oil Gas Will be supplied upon completion	Oil Gas Will be supplied upon completion

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes X 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 X No ____
Will commingling decrease the value of production? Yes ____ No X
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 X 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 [Signature] TITLE Engineer DATE 12/13/11
TYPE OR PRINT NAME Bill Akwari, Engineer TELEPHONE NO. (505) 326-9700
E-MAIL ADDRESS Bill.N.Akwari@conocophillips.com

KLEIN 19P

Unit G, Section 34, T026N, R006W

BOTTOM HOLE

Unit G, Section 34, T026N, R006W

The KLEIN 19P is a Blanco Mesaverde, Basin Dakota and Basin Mancos new drill. A cased hole neutron log will be run prior to completion to identify the Mesaverde, Dakota and Mancos zones. If the Mesaverde, Dakota and Mancos horizons can be isolated, a spinner test will be performed and the allocation will be assigned. In the event that the Mesaverde, Dakota and Mancos can not be tested separately, a volumetric calculation will be performed to determine the allocation percentages between the Basin Mesaverde, Basin Dakota and Basin Mancos. Initial Oil allocation will be the same as the gas initial allocation until the first liquid sale is completed. After completing the first liquid sale and using known Dakota and Mesaverde liquid yields from offset Stand Alone wells a system of linear equations will be solved for Mancos liquid yield, and that Mancos liquid yield will be used in conjunction with the Mesaverde and Dakota liquid yields to calculate the oil allocations. The oil allocation will be calculated in a way that is a function of individual formation Gas production and Individual formation liquid yields. All documentation will be submitted to the Aztec NMOCD office.

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised July 10, 2010

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

Submit one copy to appropriate
District Office

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*APT Number 30-039-30770		*Pool Code 71599/72319/97232	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE/MANCOS	BASIN
*Property Code 7228	*Property Name KLEIN			*Well Number 19 P
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			*Elevation 6683'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	34	26N	6W		2394'	NORTH	2099'	EAST	RIO ARriba

¹¹ 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
G	34	26N	6W		1950'	NORTH	2350'	EAST	RIO ARriba

¹⁴ Dedicated Acres DK/MV/MANCOS 320.0 Acres - (N/2)		¹² Joint or Infill	¹³ Consolidation Code	¹⁵ 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

16

BASIS OF BEARINGS

LEASE # USA SF-079265

BOTTOM HOLE
LAT. 36.44496° N (NAD83)
LONG. 107.45396° W (NAD83)
LAT. 36.2669695° N (NAD27)
LONG. 107.2720117° W (NAD27)

DIRECTIONAL DRILL
N 30°51'58" W
513.23'

WELL FLAG
LAT. 36.44375° N (NAD83)
LONG. 107.45308° W (NAD83)
LAT. 36.2662427° N (NAD27)
LONG. 107.2714757° W (NAD27)

17 OPERATOR CERTIFICATION

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 undivided mineral interest in the land including the proposed bottom hole location 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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Arleen Kellywood 10/7/11
Signature Date

Arleen Kellywood
Printed Name

arleen.r.kellywood@conocophillips.com
E-mail Address

18 SURVEYOR CERTIFICATION

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.

DECEMBER 3, 2010
Date of Survey

Signature and Seal of Professional Surveyor:
DAVID R. RUSSELL
REGISTERED PROFESSIONAL LAND SURVEYOR
NEW MEXICO
10201

DAVID RUSSELL
Certificate Number 10201

KLEIN 19P DK Data: Dec.2011-Dec.2011

Operator: Unknown

Field:

Zone:

Type: Other

Group: None

No

Active

Forecast

Production Cums

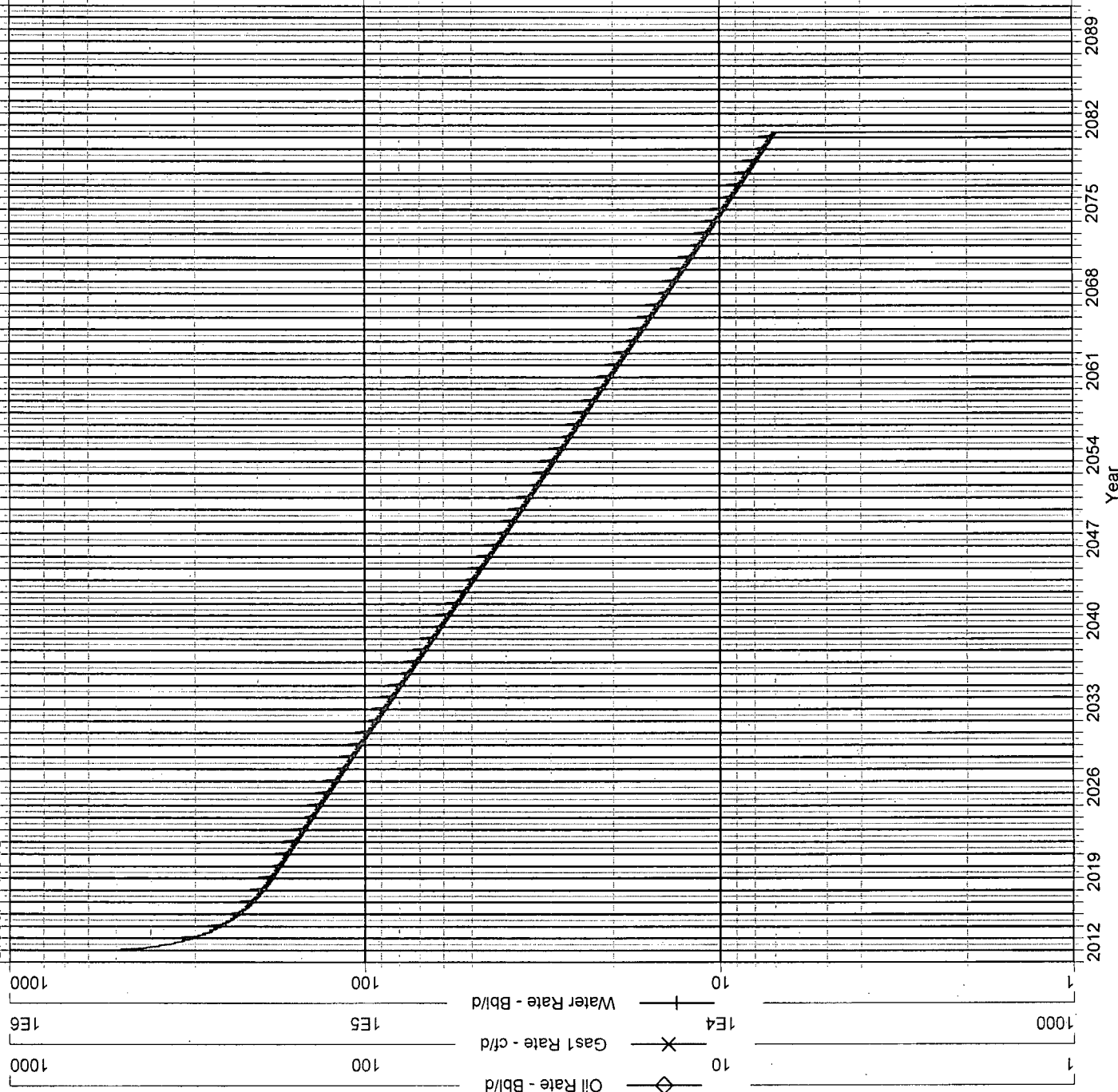
Oil: 0 Bbl

Gas: 0 MSCF

Water: 0 Bbl

Cond: 0 Bbl

Oil Rate - Bbl/d
Cum: 0.00
Gas1 Rate - cfd
Cum: 0.00
Water Rate - Bbl/d
Cum: 0.00



KLEIN 19P MC Data: Dec.2011-Dec.2011

Operator: Unknown

Field:

Zone:

Type: Other

Group: None

No

Active

Forecast

Production Cums

Oil: 0 Bbl

Gas: 0 MSCF

Water: 0 Bbl

Cond: 0 Bbl

Oil Rate - Bbl/d

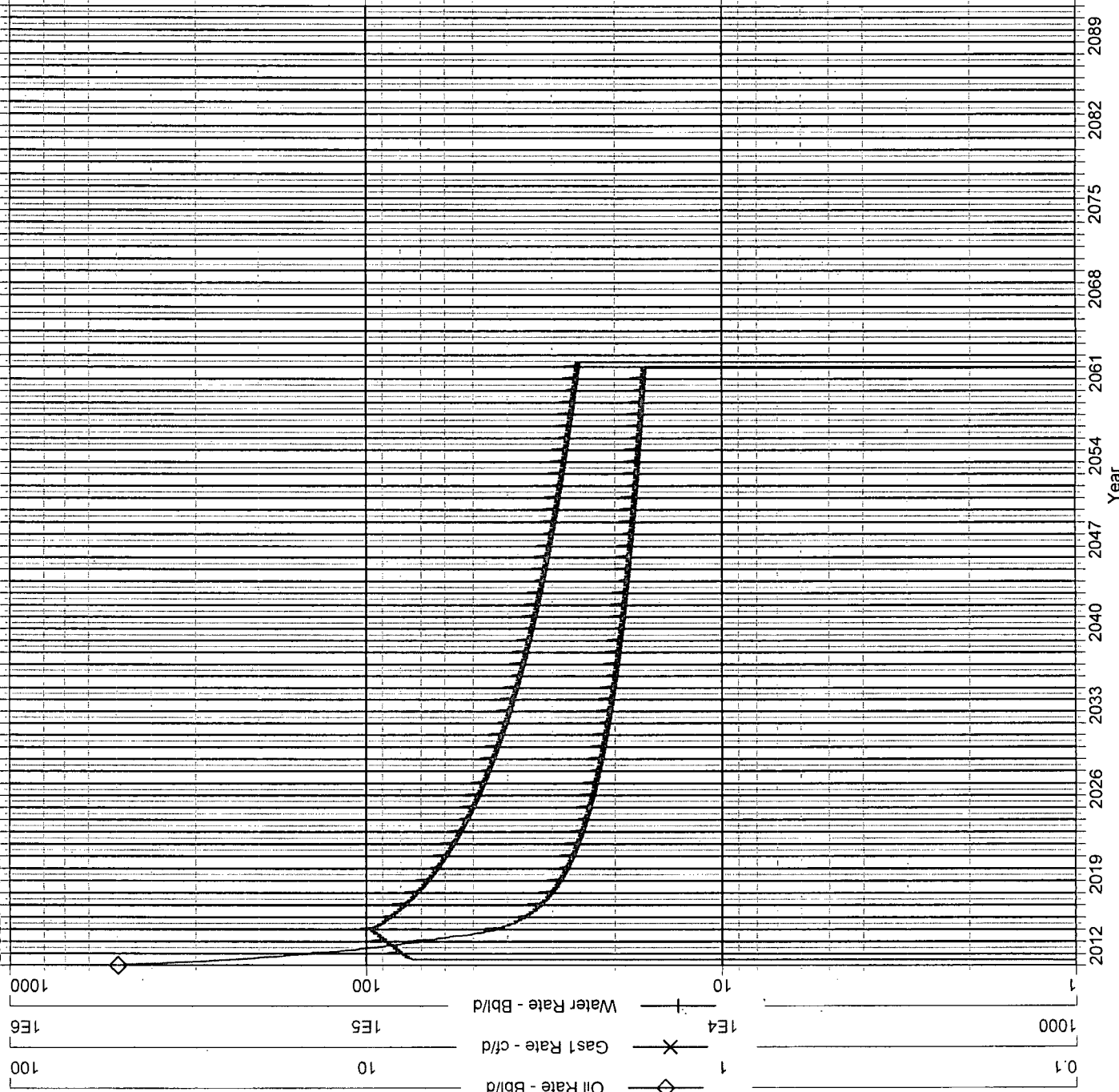
Cum: 0.00

Gas1 Rate - cfd

Cum: 0.00

Water Rate - Bbl/d

Cum: 0.00



KLEIN 19P MV Data: Dec.2011-Dec.2011

Operator: Unknown

Field:

Zone:

Type:

Group:

No

Active

Forecast

Production Cums

Oil: 0 Bbl

Gas: 0 MSCF

Water: 0 Bbl

Cond: 0 Bbl

Oil Rate - Bbl/d

Cum: 0.00

Gas1 Rate - cfd

Cum: 0.00

Water Rate - Bbl/d

Cum: 0.00

