

9/17/2014 DATE IN	SUSPENSE	MAM ENGINEER	9/17/2014 LOGGED IN	CTB TYPE	PMAM/1426059287 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

Need Production

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] *CTB 732* *22530*
- [A] Location - Spacing Unit - Simultaneous Dedication *45*
☐ NSL ☐ NSP ☐ SD *22530*
 Moose Fed Com #2H 30-015-41384
 Moose Fed #6H 30-015-37163
 Moose Fed Com #9H 30-015-42384 *NIP*
 Moose Fed Com #10H 30-015-42500 *NIP*
 Moose Fed Com #11H 30-015-42501 *NIP*
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement
☐ DHC ☒ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM *COG operations, LLC*
229137
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR
- [D] Other: Specify _____ *Pool*
- N. Seven-Rivers,
Glorieta - yes
97565
- [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.

Kanicia Castillo

Print or Type Name

KC
Signature

Lead Regulatory Analyst

Title

07/28/14

Date

kcastillo@concho.com
e-mail Address



September 15, 2014

New Mexico Oil Conservation Division
Michael McMillian
1220 S St. Francis Drive
Santa Fe, New Mexico 87505

Re: Surface Commingle on our Moose Federal Com Lease

Mr. McMillian,

COG Operating LLC respectfully requests approval for Surface Commingle on our Moose Federal Com Lease. This lease will have two battery locations needing Surface Commingling approvals.

Noose Federal Com 1 Eddy County, NM API # 30-015-35416 Communitization Agreement # Pending Surface: 1650 FNL & 1650 FEL, Sec 35, T19S, R25E, Unit G	Noose Federal Com 4H Eddy County, NM API # 30-015-36537 Communitization Agreement # Pending Surface: 330 FNL & 485 FWL, Sec 35, T19S, R25E, Unit D
Noose Federal Com 5H (Battery Location) Eddy County, NM API #: 30-015-21066 Communitization Agreement # Pending Surface: 1980 FNL & 1980 FWL Sec 35, T19S, R25E, Unit F	Noose Federal Com 7H Eddy County, NM API #: 30-015-37285 Communitization Agreement # Pending Surface: 330 FNL & 1880 FEL Sec 35, T19S, R25E, Unit B
Noose Federal Com 8H Eddy County, NM API # 30-015-37284 Communitization Agreement # Pending Surface: 430 FNL & 390 FEL Sec 35, T19S, R25E, Unit A	
Noose Federal Com 2H Eddy County, NM API # 30-015-41384 Communitization Agreement # Pending Surface: 150 FSL & 1040 FWL Sec 35, T19S, R25E, Unit M	Noose Federal Com 6H Eddy County, NM API # 30-015-37163 Communitization Agreement # Pending Surface: 330 FSL & 430 FWL Sec 35, T19S, R25E, Unit M
Noose Federal Com 9H Eddy County, NM API #: 30-015-42384 Communitization Agreement # Pending Surface: 150 FSL & 1590 FWL Sec 35, T19S, R25E, Unit N	Noose Federal Com 10H (Battery Location) Eddy County, NM API #: 30-015-42500 Communitization Agreement # Pending Surface: 170 FSL & 2550 FEL Sec 35, T19S, R25E, Unit O
Noose Federal Com 11H Eddy County, NM API # 30-015-42501 Communitization Agreement # Pending Surface: 150 FSL & 1130 FEL Sec 35, T19S, R25E, Unit P	

Currently we have several battery facilities and would like to consolidate into two new facilities. Consolidating our battery facilities to two will extend the economic life for these wells and lessen surface disturbance. We will allocate production using the well test method for both battery facilities. Commingling will not reduce the value of production. We are waiting approval on a section wide Communitization Agreement from the BLM. There is only one interest owner that has diverse ownership and he has agreed to commingle using the test method. His waiver is attached.

These wells will be producing from the North Seven Rivers; Glorieta-Yeso, 97565. I have attached a diagram of the battery facility, and a map showing all well and facility locations, admin checklist, and notice to all interest owners.

Please contact me at 432-685-4332 should you have any questions.

Sincerely,

Kanicia Castillo
Lead Regulatory Analyst
COG Operating, LLC

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-107-B
Revised August 1, 2011

OIL CONSERVATION DIVISION
1220 S. St Francis Drive
Santa Fe, New Mexico 87505

Submit the original
application to the Santa Fe
office with one copy to the
appropriate District Office.

APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)

OPERATOR NAME: COG Operating LLC

OPERATOR ADDRESS: One Concho Center, 600 West Illinois Ave, Midland, Texas 79701

APPLICATION TYPE:

☐ Pool Commingling ☒ Lease Commingling ☐ Pool and Lease Commingling ☐ Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: ☐ Fee ☐ State ☒ Federal

Is this an Amendment to existing Order? ☐ Yes ☐ No If "Yes", please include the appropriate Order No. _____

Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling

☒ Yes ☐ No

(A) POOL COMMINGLING
Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes

(2) Are any wells producing at top allowables? ☐ Yes ☐ No

(3) Has all interest owners been notified by certified mail of the proposed commingling? ☐ Yes ☐ No.

(4) Measurement type: ☐ Metering ☐ Other (Specify)

(5) Will commingling decrease the value of production? ☐ Yes ☐ No If "yes", describe why commingling should be approved

(B) LEASE COMMINGLING
Please attach sheets with the following information

(1) Pool Name and Code. N. Seven Rivers;Glorieta-Yeso, 97565

(2) Is all production from same source of supply? ☒ Yes ☐ No

(3) Has all interest owners been notified by certified mail of the proposed commingling? ☒ Yes ☐ No

(4) Measurement type: ☐ Metering ☒ Other (Specify) Test method

(C) POOL and LEASE COMMINGLING
Please attach sheets with the following information

(1) Complete Sections A and E.

(D) OFF-LEASE STORAGE and MEASUREMENT
Please attached sheets with the following information

(1) Is all production from same source of supply? ☐ Yes ☐ No

(2) Include proof of notice to all interest owners.

(E) ADDITIONAL INFORMATION (for all application types)
Please attach sheets with the following information

(1) A schematic diagram of facility, including legal location.

(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.

(3) Lease Names, Lease and Well Numbers, and API Numbers.

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

SIGNATURE: Kanicia Castillo

TITLE: Lead Regulatory Analyst

DATE: 7/25/14

TYPE OR PRINT NAME Kanicia Castillo

TELEPHONE NO.: 432-685-4332

E-MAIL ADDRESS: kcastillo@concho.com

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-4720

DISTRICT II
811 S. First St., Artesia, NM 87210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Bravos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

X AMENDED REPORT
BHL

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-41384		Pool Code 97565		Pool Name N. SEVEN RIVERS; GLORIETA YESO					
Property Code		Property Name NOOSE FEDERAL COM				Well Number 2H			
OGRID No. 229137		Operator Name COG OPERATING, LLC				Elevation 3478'			
Surface Location NMOOD ARTESIA									
UL or lot No. M	Section 35	Township 19-S	Range 25-E	Lot Idn	Feet from the 150	North/South line SOUTH	Feet from the 1040	East/West line WEST	County EDDY
Bottom Hole Location If Different From Surface									
UL or lot No. D	Section 35	Township 19-S	Range 25-E	Lot Idn	Feet from the 330	North/South line NORTH	Feet from the 990	East/West line WEST	County EDDY
Dedicated Acres 160		Joint or Infill		Consolidation Code		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

Project Area Producing Area GRID AZ = 359°24'16" HORZ. DIST. = 4858.4' S.L. 1040' 150' 990' B.H. 335.6'	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=585657.0 N X=460945.5 E LAT.=32.610012° N LONG.=104.460164° W BOTTOM HOLE LOCATION Y=590513.8 N X=460895.1 E	OPERATOR CERTIFICATION I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Robyn M. Odum</i> 5/14/2013 Signature Date Robyn M. Odum Printed Name Rodom@concho.com E-mail Address
	CORNER COORDINATES TABLE A - Y=590853.3 N, X=459905.3 E B - Y=590840.5 N, X=461230.8 E C - Y=585504.1 N, X=459905.8 E D - Y=585507.9 N, X=461227.1 E	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. MAY 11, 2012 Date of Survey Signature & Seal of Professional Surveyor: <i>Ronald J. Eidson</i> 05/13/2013 Certificate No. 3239 Ronald J. Eidson 3239
	Estimated Completed Interval 607 FSL + 490 FWL	DSR Rel. W.O.: 13.13.0243 JWSC W.O.: 13.13.0496

APR 08 2009

RM

DISTRICT I

1625 N. FRENCH DR., BOHOLA, NM 88240

DISTRICT II

1901 W. GRAND AVENUE, ALBUQUERQUE, NM 88210

DISTRICT III

1600 Rio Brasos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102

Revised October 12, 2006

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-37 163	Pool Code 92565	Pool Name North Seven Rivers; Gloria - Yeso
Property Code 36300	Property Name NOOSE FEDERAL	Well Number 6
OCRID No. 14049	Operator Name MARBOB ENERGY CORPORATION	Elevation 3493'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	35	19-S	25-E		330	SOUTH	430	WEST	EDDY

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
L	35	19-S	25-E		2310	SOUTH	430	WEST	EDDY
Dedicated Acres 80	Joint or Infill	Consolidation Code	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

BOTTOM HOLE LOCATION Y=587814.7 N X=460335.5 E GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=585835.3 N X=460335.7 E LAT.=32.610499° N LONG.=104.462146° W DETAIL	OPERATOR CERTIFICATION I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <u>Nancy T. Agnew</u> 4/28/09 Signature Date <u>Nancy T. Agnew</u> Printed Name 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. <u>RONALD J. EIDSON</u> 4/28/09 Date Surveyed <u>Ronald J. Eidson</u> Signature & Seal of Professional Surveyor <u>RONALD J. EIDSON</u> 4/28/09 Date Surveyed Certificate No. <u>GARY EIDSON</u> 12641 <u>RONALD J. EIDSON</u> 3239
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Estimated
Completed
Interval:
330 FSL
1590 FWL

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office:
☐ AMENDED REPORT

Estimated
Completed
Interval:
330 FSL
2550 FEL

Inland:
 1622 N. French Dr., Suite 200, NM 87505
 Phone: (505) 475-1100 Fax: (505) 475-1100
 District:
 4115 Fort S. Adams, NM 87506
 Phone: (505) 448-1223 Fax: (505) 747-0727
 District II:
 1000 Rio Brazos Road, Aztec, NM 87410
 Phone: (505) 334-4178 Fax: (505) 334-4178
 District IV:
 1220 S. St. Francis Dr., Santa Fe, NM 87505
 Phone: (505) 475-1100 Fax: (505) 475-1100

State of New Mexico
 Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Form C-102
 Revised August 1, 2011
 Submit one copy to appropriate
 District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-	² Pool Code 97565	³ Pool Name N Seven Rivers; Glorieta Yeso
⁴ Property Code 308751	⁵ Property Name NOOSE FEDERAL COM	⁶ Well Number 11H
⁷ OGRID No. 229137	⁸ Operator Name COG OPERATING, LLC	⁹ Elevation 3452'

" Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	35	19-S	25-E		150	SOUTH	1130	EAST	EDDY

" 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
A	35	19-S	25-E		330	NORTH	1130	EAST	EDDY

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ 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.

CORNER DATA NAD 27 GRID - NM EAST A: FOUND BRASS CAP 1947 N 585504.1 - E 459908.0 B: FOUND 1/2 RBR W/STNS N 590756.8 - E 459921.5 C: FOUND 1/2 RBR #12841 JWSC N 590502.2 - E 465207.3 D: FOUND BRASS CAP 1947 N 585520.8 - E 465190.9 E: FOUND BRASS CAP 1947 N 585511.7 - E 462548.4 GEODETIC DATA NAD 27 GRID - NM EAST SURFACE LOCATION N 585666.9 - E 464061.7 LAT: 32.61004866° N LONG: 104.45004462° W BOTTOM LOCATION N 590463.9 - E 464078.3	DETAIL "A"	"OPERATOR CERTIFICATION" I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that the information refers to a working interest or undivided interest in the land including the proposed well location shown on this plat is not the well of the landowner (operator) is a surface well on the basis of such a mineral or working interest, in the relevant position of interest or a compulsory pooling under the provisions established by the division. Signature: Date: 1-13-14 Kelly J. Holly Printed Name kholly@concho.com Email Address "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. Date of Survey: 11/8/13 Signature and Seal of Professional Surveyor: 19680 Certificate Number REVISED: 12-17-13 B.H.
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Prosperity Consultants, LLC - Firm No.: TX 101/3838 NM 4655451 - Job No.: LS130467

Estimated
 Completed
 Interval:
 330 FSL +
 1130 FEL



Sent Certified Mail
Return Receipt: 91 7199 9991 7033 9258 7066

August 12, 2014

Featherstone Development Corporation
Prospector, LLC
Parrot Head Properties, LLC
Big Three Energy Group, LLC
P.O. Box 429
Roswell, NM 88202-0429

RE: Request for Surface Commingle

Mr. Featherstone,

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for Surface Commingle of production, allocating using well test method, from the following wells to the Moose Federal Com 10H Central Tank Battery:

Moose Federal 2H
Eddy County, NM
Surface: 150' FSL & 1040' FWL, Sec 35
T19S, R25E, Unit M
N. Seven Rivers;Gloriet-Yeso, 97565
API# 30-015-41384

Moose Federal 6H
Eddy County, NM
Surface: 330' FSL & 430' FWL, Sec 35
T19S, R25E, Unit M
N. Seven Rivers;Gloriet-Yeso, 97565
API# 30-015-37163

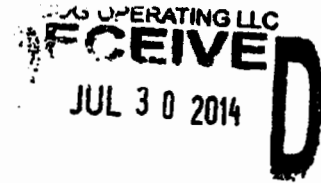
Moose Federal Com 9H (Not drilled)
Eddy County, NM
Surface: 150' FSL & 1590' FWL, Sec 35
T19S, R25E, Unit N
N. Seven Rivers;Gloriet-Yeso, 97565
API# 30-015-42384

Moose Federal Com 10H (Not drilled)
Eddy County, NM
Surface: 170' FSL & 2550' FEL, Sec 35
T18S, R25E, Unit O
N. Seven Rivers;Gloriet-Yeso, 97565
API# 30-015-42500

Moose Federal Com 11H (Not drilled yet)
Eddy County, NM
Surface: 150' FSL & 1130' FEL, Sec 35
T19S, R25E, Unit P
N. Seven Rivers;Gloriet-Yeso, 97565
API# 30-015-42501

A copy of the application is attached for your reference. Should you, or your company, have any objection, it must be filed in writing within twenty (20) days from the date of

July 24, 2014
Page Two



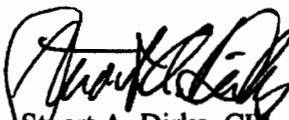
<u>Battery</u>	<u>Well</u>	<u>Interest of Big Three Energy Group, LLC</u>
Noose Fed Com #5H Battery	Noose Fed #1	2.00%
	Noose Fed #4H	2.00%
	Noose Fed Com #5H	1.33%
	Noose Fed Com #7H	1.50%
	Noose Fed Com #8H	1.50%
Noose Fed Com #10H Battery	Noose Fed Com #2H	1.50%
	Noose Fed #6H	1.00%
	Noose Fed Com #9H	1.50%
	Noose Fed Com #10H	1.50%
	Noose Fed Com #11H	1.50%

Enclosed is a summary of the Test Method Allocation. COG respectfully requests you indicate your approval by signing below and returning a copy to this office.

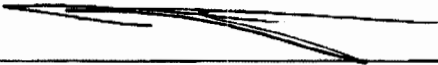
If you have any questions, please do not hesitate to contact the undersigned at 432-685-4354 or sdirks@concho.com.

Yours Truly,

COG Operating LLC


Stuart A. Dirks, CPL
Senior Landman

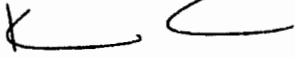
Big Three Energy Group, LLC hereby consents to the surface comingling and to the use of the Test Method for allocation for the above listed wells.


Olen F. Featherstone III
Managing Member

Date: 7/25/14

this notice to the New Mexico Oil Conservation Division at the following address: 1220 S St. Francis Drive, Santa Fe, New Mexico 87505. The Division Director may approve the Surface Commingle if no objection has been made within the 20 days after the application has been received. Please do not hesitate to reach us with any questions at the phone number given below.

Sincerely,



Kanicia Castillo

432.685.4332

Lead Regulatory Analyst

COG Operating LLC

NOOSE FEDERAL COM 10H BATTERY
SWSE SECTION 35, T19S, R25E, UNIT O
EDDY COUNTY, NM

WELLS:

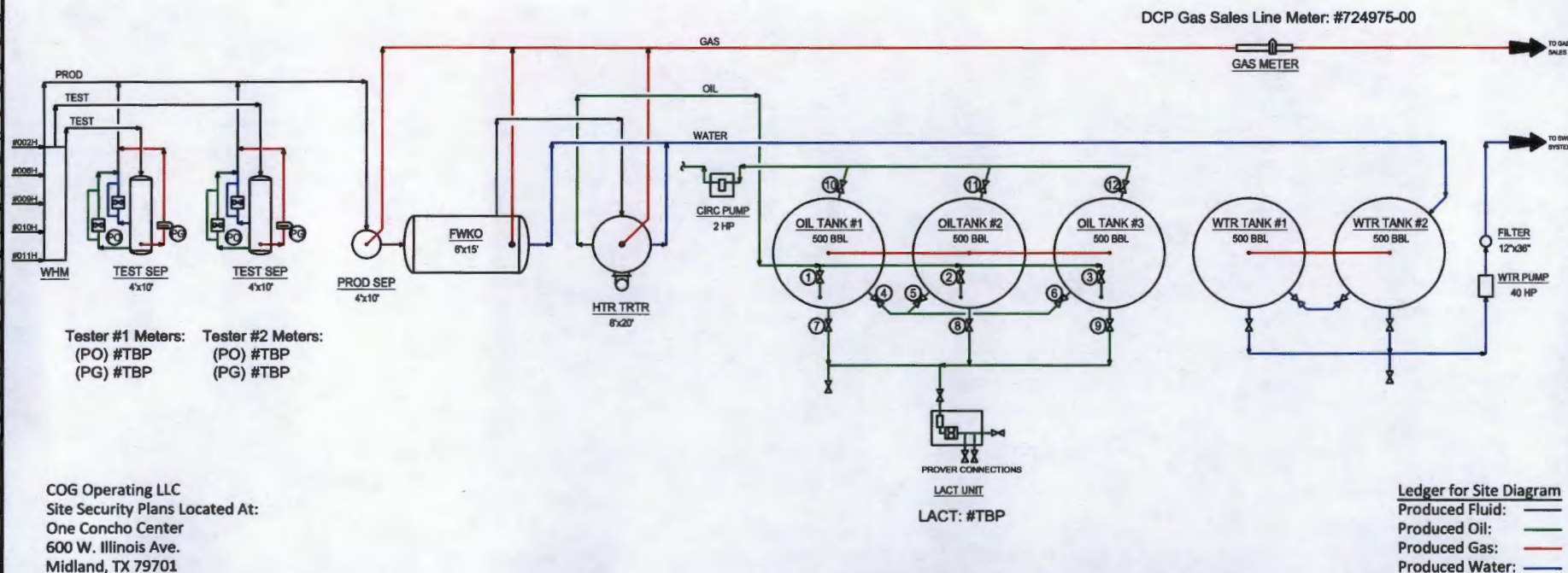
NOOSE FEDERAL COM #002H, API#: 30-015-41384
NOOSE FEDERAL COM #006H, API#: 30-015-37163
NOOSE FEDERAL COM #009H, API#: 30-015-42384
NOOSE FEDERAL COM #010H, API#: 30-015-42500
NOOSE FEDERAL COM #011H, API#: 30-015-42501

Production Phase - Oil Tank #1

- Valve 1 open
- Valves 2 and 3 closed
- Valves 4, 5, and 6 open
- Valves 7, 8, and 9 closed
- Valves 10, 11, and 12 closed

Sales Phase - Oil Tank #1

- Valve 1 closed
- Valves 2 or 3 open
- Valve 4 closed
- Valves 5 and 6 open
- Valve 7 open
- Valves 8 and 9 closed
- Valves 10, 11, and 12 closed



Lease #: NMNM - 113927	NOTES:	THIS DRAWING IS PROPERTY OF CONCHO OPERATING LLC AND IS LOANED TO THE OPERATOR FOR OPERATIONAL USE ONLY AND IS SUBJECT TO REVISIONS WITHOUT NOTICE AND SHALL NOT BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF CONCHO OPERATING LLC. ANY VIOLATION OF THIS NOTICE SHALL BE CONSIDERED A VIOLATION OF THE OPERATOR'S POLICY AND SHALL BE SUBJECT TO LEGAL ACTION.	CONFIDENTIALITY NOTICE	REFERENCE DRAWINGS		REVISIONS				ENGINEERING RECORD				 NEW MEXICO SHELF ASSET PRODUCTION FACILITIES SITE FACILITY DIAGRAM MOOSE FEDERAL COM 10H BATTERY
			NO. TITLE	NO. DATE DESCRIPTION BY CHK. APP.	BY DATE	BY DATE								
							COG OPERATING LLC 600 WEST BLANCK AVENUE MIDLAND, TEXAS 79701							

Noose Federal Com Lease



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMNM111946

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

7. If Unit or CA/Agreement, Name and/or No.

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

8. Well Name and No.
NOOSE FEDERAL COM 10H

2. Name of Operator
COG OPERATING LLC
Contact: KANICIA CASTILLO
E-Mail: kcastillo@concho.com

9. API Well No.
30-015-42500

3a. Address
ONE CONCHO CENTER 600 W ILLINOIS AVE
MIDLAND, TX 79701

3b. Phone No. (include area code)
Ph: 432-685-4332

10. Field and Pool, or Exploratory
SEVEN RIVERS;YESO

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 35 T19S R25E Mer NMP 170FSL 2550FEL

11. County or Parish, and State
EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Surface Commingling
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COG Operating LLC respectfully requests approval to surface commingle the follwing wells. We are currently waiting on CA approval but we will need commingle approval for state requirements.

Noose Federal Com 2H
Eddy County, NM
API # 30-015-41384
Surface: 150 FSL & 1040 FWL Sec 35, T19S, R25E, Unit M

Noose Federal Com 6H
Eddy County, NM
API # 30-015-37163
Surface: 330 FSL & 430 FWL Sec 35, T19S, R25E, Unit M

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #263710 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad**

Name (Printed/Typed) KANICIA CASTILLO

Title PREPARER

Signature (Electronic Submission)

Date 09/15/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #263710 that would not fit on the form

32. Additional remarks, continued

Noose Federal Com 9H
Eddy County, NM
API #: 30-015-42384
Surface: 150 FSL & 1590 FWL Sec 35, T19S, R25E, Unit N

Noose Federal Com 10H (Battery Location)
Eddy County, NM
API #: 30-015-42500
Surface: 170 FSL & 2550 FEL Sec 35, T19S, R25E, Unit O

Noose Federal Com 11H
Eddy County, NM
API # 30-015-42501
Surface: 150 FSL & 1130 FEL Sec 35, T19S, R25E, Unit P

Attached is a copy of the State application.

Noose Federal 2H
Production Data

Daily Prod Entity Name	Prod Date	Oil Volume	Gas Volume	Water Volume
NOOSE FEDERAL #2H	06/30/2014	221.2300	269.6100	167.7100
NOOSE FEDERAL #2H	06/29/2014	198.8000	216.3200	78.9700
NOOSE FEDERAL #2H	06/28/2014	206.5500	217.4400	79.7500
NOOSE FEDERAL #2H	06/27/2014	204.5200	223.7400	145.2500
NOOSE FEDERAL #2H	06/26/2014	224.3500	231.4700	79.1500
NOOSE FEDERAL #2H	06/25/2014	227.7000	218.2100	117.2900
NOOSE FEDERAL #2H	06/24/2014	170.9300	198.8400	91.0000
NOOSE FEDERAL #2H	06/23/2014	187.1600	200.7000	69.7200
NOOSE FEDERAL #2H	06/22/2014	207.3400	214.7400	195.3100
NOOSE FEDERAL #2H	06/21/2014	217.9000	220.7700	106.7300
NOOSE FEDERAL #2H	06/20/2014	200.1800	234.1800	143.5600
NOOSE FEDERAL #2H	06/19/2014	224.8800	219.8900	111.8500
NOOSE FEDERAL #2H	06/18/2014	237.1500	228.6300	114.3500
NOOSE FEDERAL #2H	06/17/2014	210.0800	229.5300	121.9800
NOOSE FEDERAL #2H	06/16/2014	210.8300	234.0100	123.3600
NOOSE FEDERAL #2H	06/15/2014	246.1500	231.7100	144.2000
NOOSE FEDERAL #2H	06/14/2014	239.2700	247.8500	160.8100
NOOSE FEDERAL #2H	06/13/2014	214.5400	209.9400	106.2500
NOOSE FEDERAL #2H	06/12/2014	212.5700	203.5000	143.0700
NOOSE FEDERAL #2H	06/11/2014	255.0200	238.7500	159.3700
NOOSE FEDERAL #2H	06/10/2014	250.5800	229.2600	176.1300
NOOSE FEDERAL #2H	06/09/2014	274.9700	262.2200	177.4700
NOOSE FEDERAL #2H	06/08/2014	231.6100	210.9100	110.5300
NOOSE FEDERAL #2H	06/07/2014	245.8200	224.9700	108.0000
NOOSE FEDERAL #2H	06/06/2014	245.5400	235.4200	127.6500
NOOSE FEDERAL #2H	06/05/2014	195.6700	223.1200	97.5400
NOOSE FEDERAL #2H	06/04/2014	207.0200	207.8400	79.4200
NOOSE FEDERAL #2H	06/03/2014	210.2500	209.9900	108.1900
NOOSE FEDERAL #2H	06/02/2014	221.6700	232.7200	128.9500
NOOSE FEDERAL #2H	06/01/2014	269.7700	264.2200	137.3300
Monthly Average:		222.3343	226.3500	123.6963
NOOSE FEDERAL #2H	05/31/2014	244.6300	369.2400	168.1300
NOOSE FEDERAL #2H	05/30/2014	229.7000	212.4400	157.4100
NOOSE FEDERAL #2H	05/29/2014	305.9500	315.2400	331.0800
NOOSE FEDERAL #2H	05/28/2014	283.6500	285.2200	310.3900
NOOSE FEDERAL #2H	05/27/2014	291.5000	284.8800	233.9600
NOOSE FEDERAL #2H	05/26/2014	291.8100	268.6600	216.9800
NOOSE FEDERAL #2H	05/25/2014	247.7000	223.0300	139.5400
NOOSE FEDERAL #2H	05/24/2014	251.6300	245.2900	149.4500
NOOSE FEDERAL #2H	05/23/2014	254.8300	260.0400	134.6600
NOOSE FEDERAL #2H	05/22/2014	262.2800	224.2500	141.6700
NOOSE FEDERAL #2H	05/21/2014	253.8700	229.7100	157.1400
NOOSE FEDERAL #2H	05/20/2014	277.7200	221.7200	218.2600
NOOSE FEDERAL #2H	05/19/2014	318.1800	227.8100	255.8800
NOOSE FEDERAL #2H	05/18/2014	245.7400	235.7200	248.2000
NOOSE FEDERAL #2H	05/17/2014	304.1800	219.9500	304.7900
NOOSE FEDERAL #2H	05/16/2014	287.6600	230.7000	286.7500
NOOSE FEDERAL #2H	05/15/2014	313.6400	223.5800	308.1900
NOOSE FEDERAL #2H	05/14/2014	297.3100	230.9300	306.2100
NOOSE FEDERAL #2H	05/13/2014	273.5900	211.2600	258.2200
NOOSE FEDERAL #2H	05/12/2014	286.3900	212.3000	380.7000
NOOSE FEDERAL #2H	05/11/2014	277.2000	210.3100	326.3100
NOOSE FEDERAL #2H	05/10/2014	297.2400	220.2700	337.3000
NOOSE FEDERAL #2H	05/09/2014	309.0000	215.5100	249.3100
NOOSE FEDERAL #2H	05/08/2014	359.7700	279.7800	293.1000
NOOSE FEDERAL #2H	05/07/2014	187.2400	142.0100	71.4200
NOOSE FEDERAL #2H	05/06/2014	218.5200	276.2700	69.8100
NOOSE FEDERAL #2H	05/05/2014	275.1100	187.9900	9.1900
NOOSE FEDERAL #2H	05/04/2014	0.0000	0.0000	0.0000
NOOSE FEDERAL #2H	05/03/2014	0.0000	0.0000	0.0000

Noose Federal 2H
Production Data

NOOSE FEDERAL #2H	05/02/2014	19.3300	13.7600	1.2700
NOOSE FEDERAL #2H	05/01/2014	21.8100	16.5500	1.1100
Monthly Average:		241.4574	209.4974	195.6913
NOOSE FEDERAL #2H	04/30/2014	23.2400	20.7600	0.8700
NOOSE FEDERAL #2H	04/29/2014	5.8100	16.3900	0.0000
NOOSE FEDERAL #2H	04/28/2014	66.8100	32.2100	0.0000
NOOSE FEDERAL #2H	04/27/2014	277.9500	390.5700	66.6600
NOOSE FEDERAL #2H	04/26/2014	36.0200	46.4400	0.0000
NOOSE FEDERAL #2H	04/25/2014	239.2100	172.3900	105.9900
NOOSE FEDERAL #2H	04/24/2014	36.3600	46.2900	9.6600
NOOSE FEDERAL #2H	04/23/2014	225.0500	190.9400	158.5300
NOOSE FEDERAL #2H	04/22/2014	255.5000	212.3800	214.7500
NOOSE FEDERAL #2H	04/21/2014	300.2000	249.0900	302.4400
NOOSE FEDERAL #2H	04/20/2014	308.5900	243.3900	303.4600
NOOSE FEDERAL #2H	04/19/2014	303.7900	294.7400	223.4300
NOOSE FEDERAL #2H	04/18/2014	229.1900	172.4800	112.9800
NOOSE FEDERAL #2H	04/17/2014	275.9500	219.1700	153.1300
NOOSE FEDERAL #2H	04/16/2014	239.4100	194.4700	111.7100
NOOSE FEDERAL #2H	04/15/2014	220.0000	192.5600	139.6400
NOOSE FEDERAL #2H	04/14/2014	221.9900	152.3000	187.8200
NOOSE FEDERAL #2H	04/13/2014	312.2800	257.6500	308.1300
NOOSE FEDERAL #2H	04/12/2014	275.9500	246.4300	288.1400
NOOSE FEDERAL #2H	04/11/2014	321.8000	262.6600	288.1400
NOOSE FEDERAL #2H	04/10/2014	428.4800	341.7400	172.1300
NOOSE FEDERAL #2H	04/09/2014	126.1900	239.4500	66.3900
NOOSE FEDERAL #2H	04/08/2014	189.5000	177.6300	57.9800
NOOSE FEDERAL #2H	04/07/2014	20.1300	23.8700	8.4000
NOOSE FEDERAL #2H	04/06/2014	227.7500	185.2400	83.3300
NOOSE FEDERAL #2H	04/05/2014	268.5000	195.7600	83.3300
NOOSE FEDERAL #2H	04/04/2014	196.3500	208.2800	130.0800
NOOSE FEDERAL #2H	04/03/2014	183.0600	159.3100	41.6700
NOOSE FEDERAL #2H	04/02/2014	240.1500	193.8400	80.3500
NOOSE FEDERAL #2H	04/01/2014	217.6700	196.6200	79.4200
Monthly Average:		209.0960	184.5017	125.9520
NOOSE FEDERAL #2H	03/31/2014	245.1000	206.9500	86.9600
NOOSE FEDERAL #2H	03/30/2014	227.5500	178.5200	68.2900
NOOSE FEDERAL #2H	03/29/2014	223.4700	211.9200	68.2900
NOOSE FEDERAL #2H	03/28/2014	216.3500	157.0700	50.0000
NOOSE FEDERAL #2H	03/27/2014	226.2000	229.4300	97.0600
NOOSE FEDERAL #2H	03/26/2014	253.9900	218.9000	56.4500
NOOSE FEDERAL #2H	03/25/2014	210.2200	177.0600	58.3400
NOOSE FEDERAL #2H	03/24/2014	240.1900	202.5200	68.2900
NOOSE FEDERAL #2H	03/23/2014	214.6400	179.2800	78.2600
NOOSE FEDERAL #2H	03/22/2014	220.7700	145.9300	145.4600
NOOSE FEDERAL #2H	03/21/2014	289.3300	313.5900	157.0000
NOOSE FEDERAL #2H	03/20/2014	309.2000	238.5600	107.1500
NOOSE FEDERAL #2H	03/19/2014	284.4300	244.7100	114.7000
NOOSE FEDERAL #2H	03/18/2014	250.9900	228.5300	97.0600
NOOSE FEDERAL #2H	03/17/2014	266.0100	233.6300	109.0900
NOOSE FEDERAL #2H	03/16/2014	299.7100	238.7300	105.8900
NOOSE FEDERAL #2H	03/15/2014	293.0600	241.5900	97.0600
NOOSE FEDERAL #2H	03/14/2014	265.0400	222.5600	126.2200
NOOSE FEDERAL #2H	03/13/2014	323.8000	357.4700	137.7600
NOOSE FEDERAL #2H	03/12/2014	253.7700	229.0000	118.1800
NOOSE FEDERAL #2H	03/11/2014	272.3200	283.1900	205.8900
NOOSE FEDERAL #2H	03/10/2014	312.3000	341.5800	168.4400
NOOSE FEDERAL #2H	03/09/2014	343.2200	299.6600	215.2400
NOOSE FEDERAL #2H	03/08/2014	308.8100	287.0700	166.2500
NOOSE FEDERAL #2H	03/07/2014	331.1100	283.4600	156.3200
NOOSE FEDERAL #2H	03/06/2014	348.3300	288.2100	156.9200
NOOSE FEDERAL #2H	03/05/2014	348.3100	291.7300	173.9000

Noose Federal 2H
Production Data

NOOSE FEDERAL #2H	03/04/2014	347.6500	307.3700	173.9000
NOOSE FEDERAL #2H	03/03/2014	306.2100	276.0400	185.5700
NOOSE FEDERAL #2H	03/02/2014	340.1000	288.3800	196.6900
NOOSE FEDERAL #2H	03/01/2014	335.9100	314.9400	194.1800
Monthly Average:		280.9061	248.9542	127.1229
NOOSE FEDERAL #2H	02/28/2014	330.8300	316.9700	212.6700
NOOSE FEDERAL #2H	02/27/2014	329.0400	268.6300	166.4400
NOOSE FEDERAL #2H	02/26/2014	364.7200	272.3600	249.6600
NOOSE FEDERAL #2H	02/25/2014	349.5500	271.4200	268.1500
NOOSE FEDERAL #2H	02/24/2014	349.7400	305.8200	286.6500
NOOSE FEDERAL #2H	02/23/2014	349.5500	257.8000	227.4600
NOOSE FEDERAL #2H	02/22/2014	358.5100	268.5700	249.2300
NOOSE FEDERAL #2H	02/21/2014	357.7700	273.9300	268.5200
NOOSE FEDERAL #2H	02/20/2014	410.4200	260.6500	208.1900
NOOSE FEDERAL #2H	02/19/2014	505.5800	581.7800	218.1900
NOOSE FEDERAL #2H	02/18/2014	334.1700	273.7300	181.4400
NOOSE FEDERAL #2H	02/17/2014	0.0000	0.0000	0.0000
NOOSE FEDERAL #2H	02/16/2014	9.2100	13.7500	0.0000
NOOSE FEDERAL #2H	02/15/2014	291.0300	370.2700	138.7700
NOOSE FEDERAL #2H	02/14/2014	292.9800	292.0700	141.6600
NOOSE FEDERAL #2H	02/13/2014	353.8500	444.1300	219.0800
NOOSE FEDERAL #2H	02/12/2014	405.6600	364.6100	213.6100
NOOSE FEDERAL #2H	02/11/2014	393.2200	411.1500	221.7400
NOOSE FEDERAL #2H	02/10/2014	381.7400	401.6900	235.3900
NOOSE FEDERAL #2H	02/09/2014	385.7100	551.8000	240.3200
NOOSE FEDERAL #2H	02/08/2014	354.4900	382.5200	169.1100
NOOSE FEDERAL #2H	02/07/2014	355.2100	305.7600	159.1200
NOOSE FEDERAL #2H	02/06/2014	404.3400	297.9200	160.2100
NOOSE FEDERAL #2H	02/05/2014	368.0100	318.7300	171.9500
NOOSE FEDERAL #2H	02/04/2014	356.6100	316.6100	171.9800
NOOSE FEDERAL #2H	02/03/2014	348.1300	336.5100	195.2300
NOOSE FEDERAL #2H	02/02/2014	451.1900	396.2600	204.5500
NOOSE FEDERAL #2H	02/01/2014	359.7500	341.4600	173.8200
Monthly Average:		341.1075	317.7464	191.1836
NOOSE FEDERAL #2H	01/31/2014	340.2000	335.7400	175.7100
NOOSE FEDERAL #2H	01/30/2014	381.2400	330.9600	185.4700
NOOSE FEDERAL #2H	01/29/2014	388.7600	334.7800	204.9800
NOOSE FEDERAL #2H	01/28/2014	399.2300	298.5400	175.7100
NOOSE FEDERAL #2H	01/27/2014	437.1500	374.8400	224.5100
NOOSE FEDERAL #2H	01/26/2014	392.5200	343.3600	224.5100
NOOSE FEDERAL #2H	01/25/2014	445.1000	385.3400	234.2700
NOOSE FEDERAL #2H	01/24/2014	395.2900	353.8600	204.9800
NOOSE FEDERAL #2H	01/23/2014	386.3600	379.6100	263.5500
NOOSE FEDERAL #2H	01/22/2014	433.0300	381.5200	283.0800
NOOSE FEDERAL #2H	01/21/2014	443.3000	381.5200	253.8000
NOOSE FEDERAL #2H	01/20/2014	310.3400	381.5200	214.7500
NOOSE FEDERAL #2H	01/19/2014	502.3000	423.4800	331.8800
NOOSE FEDERAL #2H	01/18/2014	436.7600	422.5300	351.4100
NOOSE FEDERAL #2H	01/17/2014	507.5400	406.3100	331.8800
NOOSE FEDERAL #2H	01/16/2014	428.7100	392.0100	312.3700
NOOSE FEDERAL #2H	01/15/2014	317.9100	232.7200	468.5500
NOOSE FEDERAL #2H	01/14/2014	446.2300	353.8600	0.0000
NOOSE FEDERAL #2H	01/13/2014	486.5300	341.4600	370.9400
NOOSE FEDERAL #2H	01/12/2014	472.8900	510.2800	146.4200
NOOSE FEDERAL #2H	01/11/2014	193.4300	93.4800	87.8500
NOOSE FEDERAL #2H	01/10/2014	284.3500	157.3800	185.4700
NOOSE FEDERAL #2H	01/09/2014	409.3800	253.7100	263.5500
NOOSE FEDERAL #2H	01/08/2014	497.8000	352.9100	439.2600
NOOSE FEDERAL #2H	01/07/2014	522.0200	317.6100	409.9800
NOOSE FEDERAL #2H	01/06/2014	444.3900	291.8600	439.2600
NOOSE FEDERAL #2H	01/05/2014	528.4100	314.4300	447.6900

Noose Federal 2H
Production Data

NOOSE FEDERAL #2H	01/04/2014	623.2400	434.4800	328.7000
NOOSE FEDERAL #2H	01/03/2014	493.5500	523.8400	49.1800
NOOSE FEDERAL #2H	01/02/2014	439.2900	182.1700	76.9800
NOOSE FEDERAL #2H	01/01/2014	41.2500	17.4400	0.0000
Monthly Average:		413.8226	332.3726	247.9577

Noose Federal 6H
Production Data

Daily Prod Entity Name	Prod Date	Oil Volume	Gas Volume	Water Volume
NOOSE FEDERAL #6H	06/30/2014	50.1100	210.0000	40.0000
NOOSE FEDERAL #6H	06/29/2014	52.9000	178.0000	30.0000
NOOSE FEDERAL #6H	06/28/2014	40.4000	199.0000	70.0000
NOOSE FEDERAL #6H	06/27/2014	64.0100	197.0000	80.0000
NOOSE FEDERAL #6H	06/26/2014	27.8300	192.0000	10.0000
NOOSE FEDERAL #6H	06/25/2014	38.9600	192.0000	0.0000
NOOSE FEDERAL #6H	06/24/2014	30.6100	163.0000	20.0000
NOOSE FEDERAL #6H	06/23/2014	33.4000	174.0000	60.0000
NOOSE FEDERAL #6H	06/22/2014	41.7500	190.0000	50.0000
NOOSE FEDERAL #6H	06/21/2014	44.5400	196.0000	30.0000
NOOSE FEDERAL #6H	06/20/2014	47.3100	191.0000	60.0000
NOOSE FEDERAL #6H	06/19/2014	38.9900	198.0000	40.0000
NOOSE FEDERAL #6H	06/18/2014	50.1200	196.0000	30.0000
NOOSE FEDERAL #6H	06/17/2014	44.5500	190.0000	60.0000
NOOSE FEDERAL #6H	06/16/2014	38.9800	205.0000	40.0000
NOOSE FEDERAL #6H	06/15/2014	44.5400	200.0000	70.0000
NOOSE FEDERAL #6H	06/14/2014	41.7600	194.0000	60.0000
NOOSE FEDERAL #6H	06/13/2014	51.5100	180.0000	70.0000
NOOSE FEDERAL #6H	06/12/2014	54.3000	176.0000	30.0000
NOOSE FEDERAL #6H	06/11/2014	62.6100	188.0000	70.0000
NOOSE FEDERAL #6H	06/10/2014	55.6600	196.0000	60.0000
NOOSE FEDERAL #6H	06/09/2014	41.7400	198.0000	100.0000
NOOSE FEDERAL #6H	06/08/2014	61.2400	182.0000	110.0000
NOOSE FEDERAL #6H	06/07/2014	52.8800	171.0000	50.0000
NOOSE FEDERAL #6H	06/06/2014	36.1800	170.0000	60.0000
NOOSE FEDERAL #6H	06/05/2014	36.1900	160.0000	0.0000
NOOSE FEDERAL #6H	06/04/2014	41.7500	126.0000	20.0000
NOOSE FEDERAL #6H	06/03/2014	51.5200	55.0000	30.0000
NOOSE FEDERAL #6H	06/02/2014	33.4100	123.0000	40.0000
NOOSE FEDERAL #6H	06/01/2014	44.5500	96.0000	40.0000
Monthly Average:		45.1433	176.2000	47.6667
NOOSE FEDERAL #6H	05/31/2014	44.5500	144.0000	30.0000
NOOSE FEDERAL #6H	05/30/2014	44.5400	167.0000	90.0000
NOOSE FEDERAL #6H	05/29/2014	38.9700	194.0000	40.0000
NOOSE FEDERAL #6H	05/28/2014	33.4100	162.0000	70.0000
NOOSE FEDERAL #6H	05/27/2014	94.0100	181.0000	60.0000
NOOSE FEDERAL #6H	05/26/2014	58.4300	183.0000	70.0000
NOOSE FEDERAL #6H	05/25/2014	50.0900	179.0000	100.0000
NOOSE FEDERAL #6H	05/24/2014	50.1000	172.0000	120.0000
NOOSE FEDERAL #6H	05/23/2014	47.3200	163.0000	40.0000
NOOSE FEDERAL #6H	05/22/2014	47.3200	160.0000	30.0000
NOOSE FEDERAL #6H	05/21/2014	11.1300	156.0000	100.0000
NOOSE FEDERAL #6H	05/20/2014	33.4000	135.0000	70.0000
NOOSE FEDERAL #6H	05/19/2014	52.8800	140.0000	80.0000
NOOSE FEDERAL #6H	05/18/2014	86.4200	134.0000	80.0000
NOOSE FEDERAL #6H	05/17/2014	59.1700	132.0000	70.0000
NOOSE FEDERAL #6H	05/16/2014	47.3400	136.0000	80.0000
NOOSE FEDERAL #6H	05/15/2014	58.4700	138.0000	50.0000
NOOSE FEDERAL #6H	05/14/2014	30.6200	132.0000	0.0000
NOOSE FEDERAL #6H	05/13/2014	52.8900	135.0000	110.0000
NOOSE FEDERAL #6H	05/12/2014	52.9000	150.0000	150.0000
NOOSE FEDERAL #6H	05/11/2014	64.0900	165.0000	140.0000
NOOSE FEDERAL #6H	05/10/2014	61.2400	137.0000	30.0000
NOOSE FEDERAL #6H	05/09/2014	69.6000	165.0000	190.0000
NOOSE FEDERAL #6H	05/08/2014	83.5200	158.0000	130.0000
NOOSE FEDERAL #6H	05/07/2014	52.8900	148.0000	140.0000
NOOSE FEDERAL #6H	05/06/2014	41.7600	162.0000	0.0000
NOOSE FEDERAL #6H	05/05/2014	59.8600	103.0000	60.0000
NOOSE FEDERAL #6H	05/04/2014	112.1000	103.0000	30.0000
NOOSE FEDERAL #6H	05/03/2014	114.8500	133.0000	0.0000

Noose Federal 6H
Production Data

NOOSE FEDERAL #6H	05/02/2014	111.4000	140.0000	0.0000
NOOSE FEDERAL #6H	05/01/2014	122.4500	138.0000	0.0000
Monthly Average:		60.8942	149.8387	69.6774
NOOSE FEDERAL #6H	04/30/2014	36.1900	47.0000	60.0000
NOOSE FEDERAL #6H	04/29/2014	0.0000	49.0000	0.0000
NOOSE FEDERAL #6H	04/28/2014	0.0000	69.0000	0.0000
NOOSE FEDERAL #6H	04/27/2014	0.0000	67.0000	0.0000
NOOSE FEDERAL #6H	04/26/2014	0.0000	73.0000	0.0000
NOOSE FEDERAL #6H	04/25/2014	0.0000	82.0000	0.0000
NOOSE FEDERAL #6H	04/24/2014	0.0000	67.0000	0.0000
NOOSE FEDERAL #6H	04/23/2014	2.7800	120.0000	0.0000
NOOSE FEDERAL #6H	04/22/2014	13.7800	140.0000	40.0000
NOOSE FEDERAL #6H	04/21/2014	47.3200	156.0000	50.0000
NOOSE FEDERAL #6H	04/20/2014	50.1000	177.0000	45.0000
NOOSE FEDERAL #6H	04/19/2014	40.3800	143.0000	45.0000
NOOSE FEDERAL #6H	04/18/2014	27.8500	135.0000	0.0000
NOOSE FEDERAL #6H	04/17/2014	58.0600	163.0000	40.0000
NOOSE FEDERAL #6H	04/16/2014	25.0600	140.0000	0.0000
NOOSE FEDERAL #6H	04/15/2014	55.6800	140.0000	50.0000
NOOSE FEDERAL #6H	04/14/2014	41.7600	138.0000	80.0000
NOOSE FEDERAL #6H	04/13/2014	47.3300	176.0000	80.0000
NOOSE FEDERAL #6H	04/12/2014	52.9000	161.0000	50.0000
NOOSE FEDERAL #6H	04/11/2014	64.0300	170.0000	0.0000
NOOSE FEDERAL #6H	04/10/2014	66.8100	148.0000	80.0000
NOOSE FEDERAL #6H	04/09/2014	19.4900	116.0000	0.0000
NOOSE FEDERAL #6H	04/08/2014	66.8100	109.0000	0.0000
NOOSE FEDERAL #6H	04/07/2014	37.5900	107.0000	30.0000
NOOSE FEDERAL #6H	04/06/2014	75.1600	141.0000	40.0000
NOOSE FEDERAL #6H	04/05/2014	47.3200	154.0000	50.0000
NOOSE FEDERAL #6H	04/04/2014	66.7900	168.0000	70.0000
NOOSE FEDERAL #6H	04/03/2014	61.2300	146.0000	60.0000
NOOSE FEDERAL #6H	04/02/2014	44.5300	154.0000	40.0000
NOOSE FEDERAL #6H	04/01/2014	50.1000	160.0000	50.0000
Monthly Average:		36.6350	127.2000	32.0000
NOOSE FEDERAL #6H	03/31/2014	52.8800	168.0000	40.0000
NOOSE FEDERAL #6H	03/30/2014	55.6700	142.0000	40.0000
NOOSE FEDERAL #6H	03/29/2014	80.7500	180.0000	50.0000
NOOSE FEDERAL #6H	03/28/2014	55.6900	137.0000	30.0000
NOOSE FEDERAL #6H	03/27/2014	50.1100	172.0000	60.0000
NOOSE FEDERAL #6H	03/26/2014	45.9400	186.0000	40.0000
NOOSE FEDERAL #6H	03/25/2014	77.9500	161.0000	80.0000
NOOSE FEDERAL #6H	03/24/2014	44.5500	188.0000	120.0000
NOOSE FEDERAL #6H	03/23/2014	69.6000	177.0000	20.0000
NOOSE FEDERAL #6H	03/22/2014	55.6800	148.0000	70.0000
NOOSE FEDERAL #6H	03/21/2014	50.1100	191.0000	50.0000
NOOSE FEDERAL #6H	03/20/2014	41.7500	196.0000	70.0000
NOOSE FEDERAL #6H	03/19/2014	77.9500	206.0000	80.0000
NOOSE FEDERAL #6H	03/18/2014	73.7900	201.0000	100.0000
NOOSE FEDERAL #6H	03/17/2014	75.1800	207.0000	90.0000
NOOSE FEDERAL #6H	03/16/2014	61.2600	190.0000	90.0000
NOOSE FEDERAL #6H	03/15/2014	52.9000	188.0000	70.0000
NOOSE FEDERAL #6H	03/14/2014	52.9000	172.0000	90.0000
NOOSE FEDERAL #6H	03/13/2014	55.6700	182.0000	50.0000
NOOSE FEDERAL #6H	03/12/2014	86.3200	183.0000	200.0000
NOOSE FEDERAL #6H	03/11/2014	50.1900	196.0000	90.0000
NOOSE FEDERAL #6H	03/10/2014	30.6100	218.0000	70.0000
NOOSE FEDERAL #6H	03/09/2014	27.8300	184.0000	0.0000
NOOSE FEDERAL #6H	03/08/2014	38.9600	200.0000	40.0000
NOOSE FEDERAL #6H	03/07/2014	89.0700	207.0000	200.0000
NOOSE FEDERAL #6H	03/06/2014	69.5800	187.0000	0.0000
NOOSE FEDERAL #6H	03/05/2014	38.9700	181.0000	10.0000

Noose Federal 6H
Production Data

NOOSE FEDERAL #6H	03/04/2014	68.1900	184.0000	0.0000
NOOSE FEDERAL #6H	03/03/2014	30.6300	185.0000	70.0000
NOOSE FEDERAL #6H	03/02/2014	86.3100	220.0000	230.0000
NOOSE FEDERAL #6H	03/01/2014	38.9800	173.0000	0.0000
Monthly Average:		57.8119	184.1935	69.3548
NOOSE FEDERAL #6H	02/28/2014	19.4800	170.0000	0.0000
NOOSE FEDERAL #6H	02/27/2014	41.7600	148.0000	10.0000
NOOSE FEDERAL #6H	02/26/2014	97.4500	205.0000	160.0000
NOOSE FEDERAL #6H	02/25/2014	83.7400	192.0000	220.0000
NOOSE FEDERAL #6H	02/24/2014	108.5700	216.0000	280.0000
NOOSE FEDERAL #6H	02/23/2014	41.7600	160.0000	30.0000
NOOSE FEDERAL #6H	02/22/2014	33.4100	160.0000	10.0000
NOOSE FEDERAL #6H	02/21/2014	50.1100	159.0000	0.0000
NOOSE FEDERAL #6H	02/20/2014	30.6200	142.0000	0.0000
NOOSE FEDERAL #6H	02/19/2014	2.5400	138.0000	10.0000
NOOSE FEDERAL #6H	02/18/2014	44.5200	83.0000	0.0000
NOOSE FEDERAL #6H	02/17/2014	94.8300	66.0000	10.0000
NOOSE FEDERAL #6H	02/16/2014	55.6700	104.0000	90.0000
NOOSE FEDERAL #6H	02/15/2014	33.4000	156.0000	0.0000
NOOSE FEDERAL #6H	02/14/2014	41.7500	165.0000	10.0000
NOOSE FEDERAL #6H	02/13/2014	47.3400	215.0000	40.0000
NOOSE FEDERAL #6H	02/12/2014	80.7500	237.0000	100.0000
NOOSE FEDERAL #6H	02/11/2014	103.0100	231.0000	140.0000
NOOSE FEDERAL #6H	02/10/2014	98.1400	188.0000	210.0000
NOOSE FEDERAL #6H	02/09/2014	55.7200	192.0000	120.0000
NOOSE FEDERAL #6H	02/08/2014	52.9100	148.0000	10.0000
NOOSE FEDERAL #6H	02/07/2014	13.9100	228.0000	0.0000
NOOSE FEDERAL #6H	02/06/2014	5.5700	242.0000	50.0000
NOOSE FEDERAL #6H	02/05/2014	0.0000	0.0000	0.0000
NOOSE FEDERAL #6H	02/04/2014	47.3000	177.0000	20.0000
NOOSE FEDERAL #6H	02/03/2014	66.8000	217.0000	100.0000
NOOSE FEDERAL #6H	02/02/2014	30.6200	218.0000	60.0000
NOOSE FEDERAL #6H	02/01/2014	41.7500	257.0000	80.0000
Monthly Average:		50.8296	171.9286	62.8571
NOOSE FEDERAL #6H	01/31/2014	59.8400	155.0000	90.0000
NOOSE FEDERAL #6H	01/30/2014	54.2700	199.0000	90.0000
NOOSE FEDERAL #6H	01/29/2014	55.6900	196.0000	50.0000
NOOSE FEDERAL #6H	01/28/2014	47.3400	196.0000	90.0000
NOOSE FEDERAL #6H	01/27/2014	50.1100	235.0000	100.0000
NOOSE FEDERAL #6H	01/26/2014	69.6000	189.0000	120.0000
NOOSE FEDERAL #6H	01/25/2014	68.2200	189.0000	40.0000
NOOSE FEDERAL #6H	01/24/2014	66.8800	183.0000	220.0000
NOOSE FEDERAL #6H	01/23/2014	66.7800	208.0000	100.0000
NOOSE FEDERAL #6H	01/22/2014	25.0500	200.0000	20.0000
NOOSE FEDERAL #6H	01/21/2014	19.4800	200.0000	20.0000
NOOSE FEDERAL #6H	01/20/2014	30.6100	200.0000	10.0000
NOOSE FEDERAL #6H	01/19/2014	52.8800	218.0000	20.0000
NOOSE FEDERAL #6H	01/18/2014	44.5400	192.0000	30.0000
NOOSE FEDERAL #6H	01/17/2014	36.8700	218.0000	40.0000
NOOSE FEDERAL #6H	01/16/2014	69.5900	139.0000	70.0000
NOOSE FEDERAL #6H	01/15/2014	64.0400	147.0000	100.0000
NOOSE FEDERAL #6H	01/14/2014	55.6900	187.0000	110.0000
NOOSE FEDERAL #6H	01/13/2014	47.3300	168.0000	30.0000
NOOSE FEDERAL #6H	01/12/2014	87.6800	152.0000	60.0000
NOOSE FEDERAL #6H	01/11/2014	105.8000	95.0000	60.0000
NOOSE FEDERAL #6H	01/10/2014	58.4400	128.0000	140.0000
NOOSE FEDERAL #6H	01/09/2014	69.5700	126.0000	70.0000
NOOSE FEDERAL #6H	01/08/2014	55.6700	199.0000	110.0000
NOOSE FEDERAL #6H	01/07/2014	47.3100	157.0000	80.0000
NOOSE FEDERAL #6H	01/06/2014	91.8500	153.0000	10.0000
NOOSE FEDERAL #6H	01/05/2014	58.4800	162.0000	230.0000

Noose Federal 6H
Production Data

NOOSE FEDERAL #6H	01/04/2014	58.4800	181.0000	70.0000
NOOSE FEDERAL #6H	01/03/2014	69.6200	187.0000	40.0000
NOOSE FEDERAL #6H	01/02/2014	141.9800	126.0000	30.0000
NOOSE FEDERAL #6H	01/01/2014	68.2100	72.0000	0.0000
Monthly Average:		61.2226	172.8065	72.5806

McMillan, Michael, EMNRD

From: Kanicia Castillo <kcastillo@concho.com>
Sent: Monday, September 22, 2014 2:02 PM
To: McMillan, Michael, EMNRD
Subject: RE: Moose Federal Com #2H, Moose Fed #6H, Moose Fed #9H, and Moose Fed Com #10H, and Moose Fed Com #11H Production
Attachments: Moose Federal 2H Production Data.pdf

Michael,

Attached is the production Data that you requested. The #9H, 10H and 11H are not producing yet.

Thank you,

Kanicia Castillo

**Lead Regulatory Analyst
COG OPERATING LLC**

One Concho Center
600 W. Illinois Avenue
Midland, TX 79701
P.432.685.4332
F.432.221.0858



From: McMillan, Michael, EMNRD [<mailto:Michael.McMillan@state.nm.us>]
Sent: Wednesday, September 17, 2014 5:47 PM
To: Kanicia Castillo
Subject: Moose Federal Com #2H, Moose Fed #6H, Moose Fed #9H, and Moose Fed Com #10H, and Moose Fed Com #11H Production

Ms. Castillo:

I received your application for the Moose Federal Com #2H, Moose Fed #6H, Moose Fed #9H, and Moose Fed Com #10H, and Moose Fed Com #11H wells.

Can you provide a monthly average for the last 6 months, and cum production.

I sent another e-mail for the other wells, since it was a separate application

Thank You

Michael A. McMillan

Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Dr., Santa Fe NM 87505
O: 505.476.3448 F. 505.476.3462

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Lakewood Area

Tank Battery Operational Description

Test Method Allocation

Summary

The following is a description of the facility operations at a standard tank battery installed in the Lakewood area. The plan of development for this area includes the installation of one tank battery per half section. Each battery will be equipped to handle 4 producing wells from that half section.

Operational Description

1. Flowlines from producing wells terminate into the test/production header which serves as the inlet to the tank battery. From the header, one well can be put in test while the remaining wells are combined in the production header for separation and storage of produced fluids. The test/production header is illustrated in Figure 1 below. In this diagram, the shaded valves indicate a closed position. Therefore, this illustration shows well "1H" to be in test while the remaining wells are routed to the 2-Phase Separator. Using the valves in the header, any single well can be isolated from the remaining wells and placed into test.

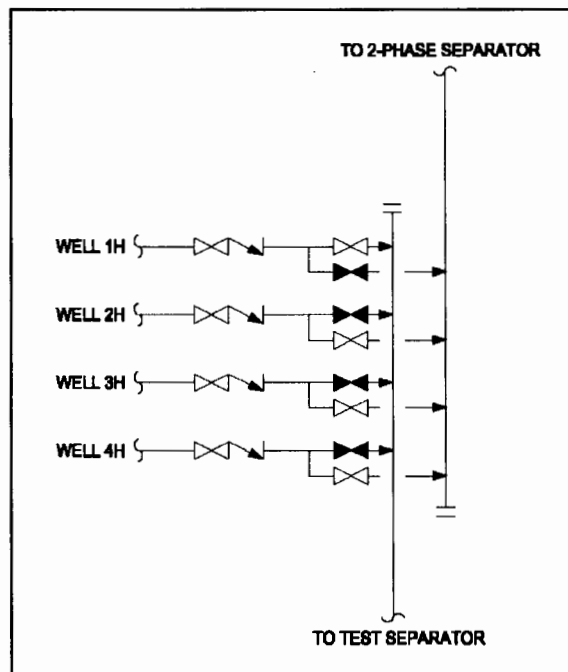


Figure 1: Test/Production Header Diagram

2. The test separator is a 3-phase horizontal separator used for measuring produced fluids from a given well. Separate meters are used for measuring oil, water, and gas from the production well. Turbine meters are used for measuring oil and water flow while an orifice meter is used

for measuring gas flow. Once the produced fluids have been metered, all three phases are recombined and routed to the 2-phase separator where the well is tied in with the bulk fluids from other wells. A diagram of the test separator is shown in Figure 2 below.

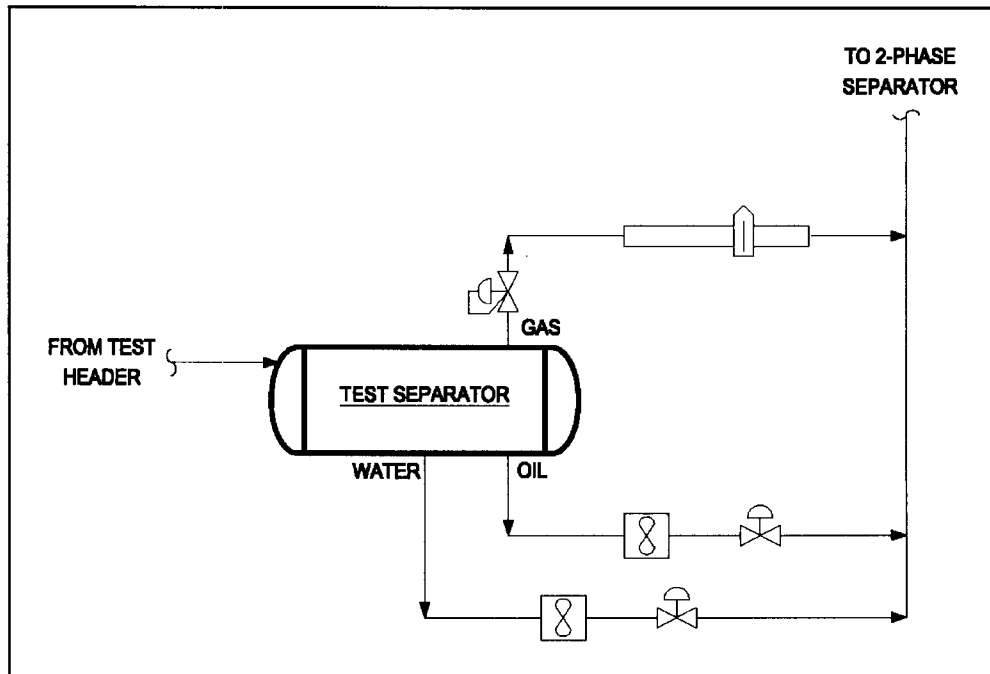


Figure 2: Test Separator with 3-Phase Metering

3. The test separator and associated metering devices have been sized for the expected range of fluid rates from the production wells. The sizing and calibration of this equipment ensures accurate measurement of produced fluids from a well in test. When a well is placed in test, it will remain in test for a minimum of 3 days. This allows adequate time for the well to level out and accurate daily production rates to be measured. Each well will be placed in test once a month at a minimum. Given the number of wells and the duration of well tests, it is likely that each well could be tested as often as 2-3 times per month. Allocation of co-mingled production will be based on average well tests taken during the previous month.
4. Fluids from the production header are routed to the 2-Phase Separator where gas and liquids are separated. Gas is sent directly to the gas sales system and liquids are sent to the FWKO for further separation. In addition to providing a means of bulk gas/liquid separation, this vessel also helps to alleviate slugs of fluid which enter the system and would otherwise disrupt the separation process.
5. Liquids from the 2-Phase Separator are sent to the Free Water Knock Out (FWKO). The primary function of this vessel is to provide sufficient retention time for oil and water to separate. Water from the FWKO is sent to water storage tanks. Oil from the FWKO is sent to the Heater-Treater for a final stage of polishing and water removal. Any gas that flashes off in this stage of separation is tied directly into the gas sales system.
6. Oil from the FWKO is routed to the Heater-Treater wherein heat is applied to help break any remaining emulsions and remove water from the oil stream. Oil from the Heater-Treater is sent

to the oil storage tanks. Water from the Heater-Treater is tied into the water line from the FWKO going to the storage tanks. Any gas that flashes off in this stage of separation is tied directly into the gas sales system.

7. Oil from the Heater-Treater is sent to 500 BBL oil tanks located on site. These tanks allow for storage of oil prior to sales through a pipeline LACT or trucking. Valves are installed on each tank to provide the ability to isolate a tank for sales or to further treat the fluids by circulating back through the separation process. Oil tanks are connected together with a common overflow line that serves to prevent spills caused by over running a single tank.
8. Water from the FWKO and Heater Treater is sent to 500 BBL water tanks located on site. These tanks provide water storage prior to being pumped into the salt water disposal (SWD) system. One water tank is used as the primary tank for water handling while the second tank provides overflow protection and operational flexibility. A transfer pump is connected to the water tanks and is operated automatically by the facility PLC based on the level of water in the tanks. This pump discharges into the SWD system which gathers and disposes of produced water.

Attachments

- Process Flow Diagram: Lakewood Area Standard Tank Battery