

8/19/2014 DATE IN	SUSPENSE	MAM ENGINEER	8/19/2014 LOGGED IN	C7B TYPE	P MAM 142341762 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]

Amend: CTB-721

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A] Patton 5 Fee #6H 30-015-39716
 [A] Location - Spacing Unit - Simultaneous Dedication Patton 5 Fee #7H 30-015-39640
☐ NSL ☐ NSP ☐ SD Patton 5 Fee #8H 30-015-39641

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.

Kanicia Castillo
Print or Type Name

Signature

Lead Regulatory Analyst 07/28/14
Title Date

kcastillo@concho.com
e-mail Address



August 12, 2014

RECEIVED COG

2014-08-19 A 9:56

New Mexico Oil Conservation Division
Richard Ezeanyim
1220 S St. Francis Drive
Santa Fe, New Mexico 87505

Re: Surface Commingle Amendment CTB-721

Mr. Ezeanyim,

COG Operating LLC respectfully requests approval for Surface Commingle on our Patton 5 Fee Lease. The CTB is located at the Patton 5 Fee #8H well.

Patton 5 Fee #6H
Eddy County, NM
Surface: 1639' FSL & 200' FWL, Sec. 5
T19S, R26E, Unit L
API# 30-015-39716

Patton 5 Fee #7H
Eddy County, NM
Surface: 982' FSL & 330' FWL, Sec. 5
T19S, R26E, Unit M
API# 30-015-39640

Patton 5 Fee #8H
Eddy County, NM
Surface: 380' FSL & 330' FWL, Sec 5
T19S, R26E, Unit M
API# 30-015-39641

Consolidating our battery facilities will extend the economic life for these wells and lessen surface disturbance. We will allocate production for the 7H and 8H wells using the Subtraction method. We will continuously meter the #6H well and rotate the 7H and 8H wells between a test separator and production separator. When the 7H is producing into the test separator, the 8H will be producing into a 2-phase production separator and vice versa. The production for the well not being metered will be determined by taking the total daily production from the tank battery and subtracting the metered volumes producing through the test separators.

This Battery has diverse ownership for one well going into that facility. Wells #7H and 8H have common ownership. These wells will be producing from the Atoka; Glorieta - Yeso, 3250. I have attached two months of production data, a diagram of the battery facility, a map showing the well locations and the location of the CTB, admin checklist, and notice to all interest owners and publication.

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. CTB-721

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. Atoka;Glorieta-Yeso, 3250

(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) Subtraction 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: K. S.

TITLE: Lead Regulatory Analyst

DATE: 7/28/14

TYPE OR PRINT NAME Kanicia Castillo

TELEPHONE NO.: 432-685-4332

E-MAIL ADDRESS: kcastillo@concho.com

Affidavit of Fact

STATE OF TEXAS §

COUNTY OF MIDLAND §

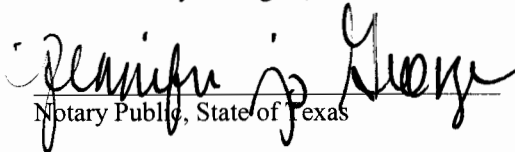
Affiant on oath swears that the following statements are true:

My name is Stuart A. Dirks. I am a Landman for COG Operating LLC. I am familiar with the ownership of the Patton 5 Fee No. 7H (API 30-015-39640) and the Patton 5 Fee No. 8H (API 30-015-39641), both of which are situated in Section 5, Township 19 South, Range 26 East, Eddy County, New Mexico. I hereby confirm that the working interests and royalty interests in these wells are common.

Affiant


Stuart A. Dirks

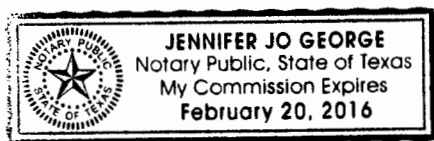
SUBSCRIBED AND SWORN TO before me on the 12th day of August, 2014.

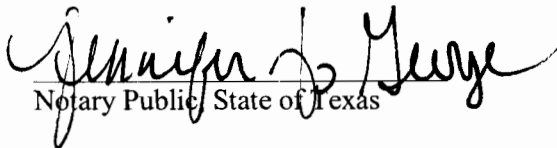

Notary Public, State of Texas

STATE OF TEXAS §

COUNTY OF MIDLAND §

This instrument was acknowledged before me on this 12th day of August, 2014, by Jennifer Jo George, Notary Public for the State of Texas.




Notary Public, State of Texas

DISTRICT I
1623 N French Dr. Hobbs, NM 88240
Phone (575) 393-6161 Fax (575) 391-0720

DISTRICT II
811 S First St. Artesia, NM 88210
Phone (575) 748-1281 Fax (575) 748-9720

DISTRICT III
1000 Rio Brazos Road, Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 314-6170

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-39716	Pool Code 3250	Pool Name ATOKA; GLORIETA-YESO
Property Code 38945	Property Name PATTON 5 FEE	Well Number 6H
OGRID No 229137	Operator Name COG OPERATING, LLC	Elevation 3364

Surface Location

UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	5	19-S	26-E		1639	SOUTH	200	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
I	5	19-S	26-E		1675	SOUTH	341	EAST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	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

<p>CORNER COORDINATES TABLE</p> <p>A - Y=614597.0 N, X=475708.9 E B - Y=614604.3 N, X=480986.4 E C - Y=613289.4 N, X=480992.7 E D - Y=613284.7 N, X=475724.0 E E - Y=611972.4 N, X=475739.2 E F - Y=611974.5 N, X=480999.1 E G - Y=617232.9 N, X=480973.6 E H - Y=617200.0 N, X=475694.4 E</p> <p>GEODETIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=613610.7 N X=475920.2 E</p> <p>BOTTOM HOLE LOCATION Y=613619.0 N X=480661.2 E</p> <p>GRID AZ.=89°53'55" HORIZ. DIST.=4742.2'</p> <p>Diagram: A rectangular plot with corners A, B, C, D, E, F, G, H. A dashed line represents the surface location (S.L.) and a solid line represents the bottom hole location (B.H.). Dimensions: 200' from A to S.L., 1639' from S.L. to D, 341' from B.H. to C, 330' from B.H. to D. A bearing of 89°53'55" is shown for the grid.</p>	<p>OPERATOR CERTIFICATION</p> <p>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 an EDDYed 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.</p> <p><i>Chasity Jackson</i> Signature 8/5/13 Date</p> <p>Chasity Jackson Printed Name</p> <p>cjackson@concho.com E-mail Address</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>OCTOBER 31, 2012</p> <p>Date of Survey</p> <p><i>Ronald Eidson</i> Signature of Professional Surveyor</p> <p>RONALD EIDSON NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 3239</p> <p>Certification No. 12641 Professional Surveyor R. Eidson 3239</p> <p>BKL REL W/O 12/11/140 JWSC W/O 12/13/2056</p>
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DISTRICT I
1435 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) 748-1281 Fax: (575) 748-9720

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1680 Via Hispana Road, Aztec, NM 87410
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DISTRICT IV
1220 S. St. Francis Dr. Santa Fe, NM 87505
Phone: (505) 476-3400 Fax: (505) 476-3402

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

DAMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-39640	Pool Code 3250	Pool Name Atoka;Glorieta-Yeso
Property Code 38929	Property Name PATTON 5 FEE	Well Number 7H
OGRID No 229137	Operator Name COG OPERATING, LLC	Elevation 3363

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	5	19-S	26-E		982	SOUTH	330	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
P	5	19-S	26-E		956	SOUTH	352	EAST	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

<p>GEODEIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=612951.8 N X=476057.8 E</p> <p>LAT.=32.685080° N LONG.=104.411152° W</p> <p>BOTTOM HOLE LOCATION Y=612959.2 N X=480664.4 E</p> <p>CORNER COORDINATES TABLE</p> <p>A - Y=613284.7 N, X=475724.0 E B - Y=613289.4 N, X=480992.7 E C - Y=611974.5 N, X=480999.1 E D - Y=611872.4 N, X=475739.2 E</p> <p>GRID AZ.=89°54'25" HORIZ. DIST.=4607.8"</p>	<p>OPERATOR CERTIFICATION</p> <p>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 an EDDY/land 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 interest or working interest, or in a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>C Jackson</i> 3/5/14 Signature Date</p> <p>Chasity Jackson Printed Name</p> <p>cjackson@concho.com E-mail Address</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>OCTOBER 30, 2012 Date of Survey</p> <p><i>Ronald J. Eidson</i> Signature Professional Surveyor</p> <p>RONALD J. EIDSON NEW MEXICO 3239</p> <p>11/12/2012 Eidson 12641 J Eidson 3239</p> <p>BKL JWSC W/O 12 11 1741</p>
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DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
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DISTRICT II
811 E. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

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

DISTRICT IV
1220 S. E. 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

DIAMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-39641	Pool Code 3250	Pool Name Atoka; Glorieta-Yeso
Property Code 38929	Property Name PATTON 5 FEE	Well Number 8H
GRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3363'

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	5	19-S	26-E		380	SOUTH	330	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
P	5	19-S	26-E		389	SOUTH	342	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

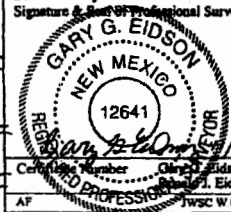
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

LOT 4 39.34 AC.	LOT 3 39.27 AC.	LOT 2 39.19 AC.	LOT 1 39.12 AC.
SECTION, QUARTER AND SIXTEENTH CORNER COORDINATES TABLE		GEODEIC COORDINATES NAD 27 NME	
(A) - Y=613281.8 N, X=475724.0 E (B) - Y=613289.1 N, X=480992.7 E (C) - Y=611972.4 N, X=475739.2 E (D) - Y=611974.5 N, X=480999.1 E		SURFACE LOCATION Y=612352.5 N X=476064.8 E LAT.=32.683432° N LONG.=104.411128° W BOTTOM HOLE LOCATION Y=612354.2 N X=480667.3 E	
330' S.L. 380' GRID AZ. = 89°58'41" HORIZ. DIST. = 4603.8' B.H. 341' 380'			

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 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Chasity Jackson 9/9/13
Signature Date
Chasity Jackson
Printed Name
cjackson@concho.com
E-mail 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.

OCTOBER 17, 2011
Date of Survey
Signature & Seal of Professional Surveyor:

 Gary G. Eidson 12641
 Registered Professional Surveyor
 AF JWS W.O.: 11.11.2112

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.

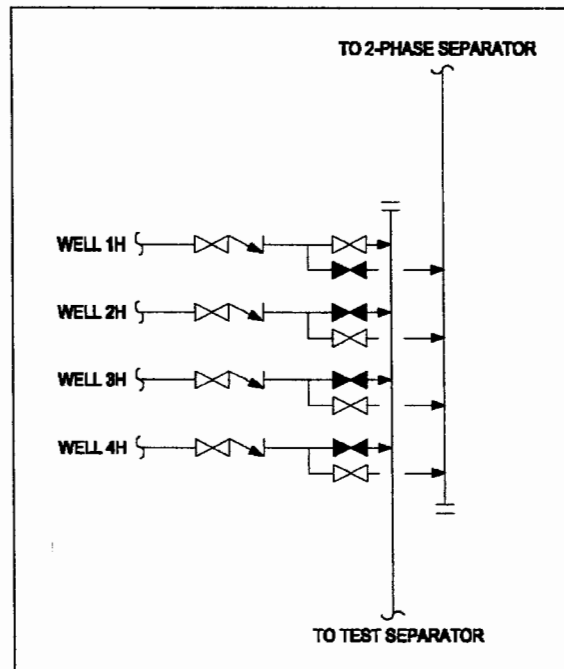


Figure 1: Test/Production Header Diagram

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.

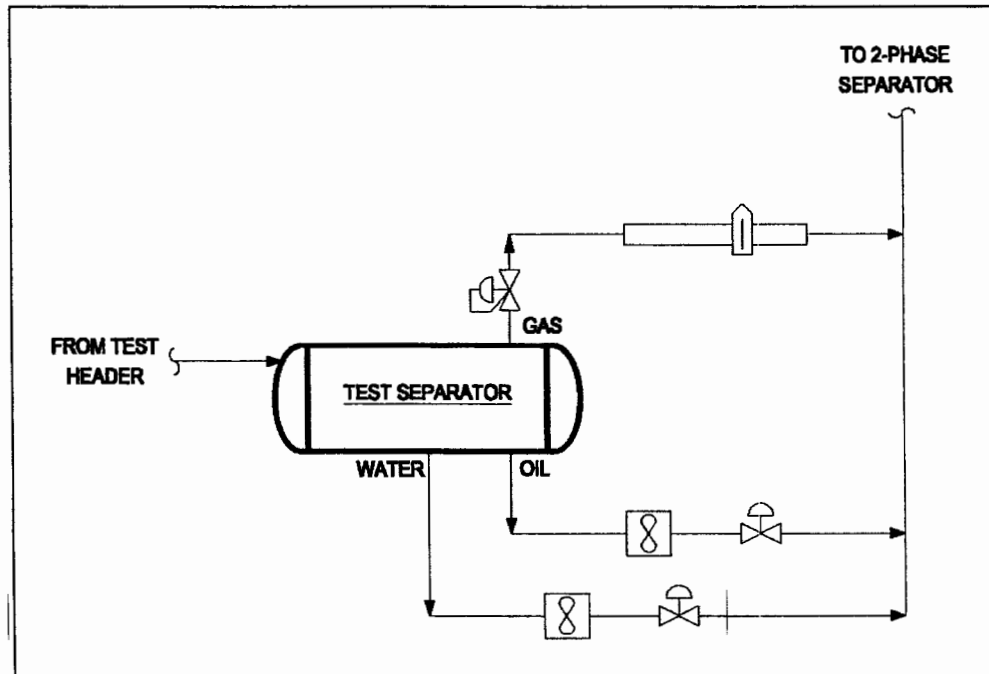


Figure 2: Test Separator with 3-Phase Metering

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

PATTON 5 FEE 8H BATTERY
SWSW SECTION 5, T19S, R26E, UNIT M
EDDY COUNTY, NM

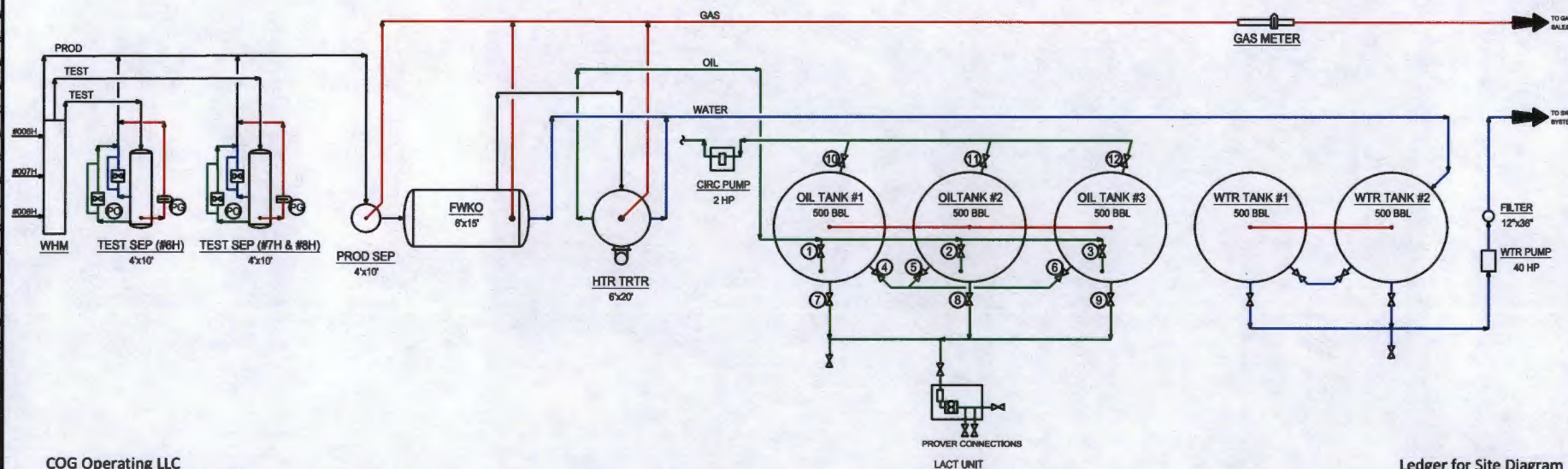
WELLS:
PATTON 5 FEE #006H, API#: 30-015-39716
PATTON 5 FEE #007H, API#: 30-015-39640
PATTON 5 FEE #008H, API#: 30-015-39641

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



COG Operating LLC
Site Security Plans Located At:
One Concho Center
600 W. Illinois Ave.
Midland, TX 79701

Ledger for Site Diagram

Produced Fluid: —
Produced Oil: —
Produced Gas: —
Produced Water: —

<p>THIS DRAWING IS PROPERTY OF COG OPERATING LLC AND IS LOANED TO THE SUBMITTER FOR CONVEYANCE USE ONLY AND IS SUBJECT TO RETURN UPON REQUEST AND SHALL NOT BE REPRODUCED, COPIED, LENT OR OTHERWISE DISCLOSED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF COG OPERATING LLC. ANY VIOLATION OF THIS NOTICE SHALL BE CONSIDERED A BREACH OF CONTRACT AND SHALL BE SUBJECT TO LITIGATION.</p> <p>COG OPERATING LLC 600 WEST ILLINOIS AVENUE MIDLAND, TEXAS 79701</p>	CONFIDENTIALITY NOTICE		REFERENCE DRAWINGS					REVISIONS				SUBMISSION RECORD			
	NO.	TITLE	NO.	DATE	DESCRIPTION	BY	CHK.	APP.	BY	DATE					
			A	06/01/13	ISSUE FOR SITE PERMITTING	CHS			CHS	06/01/13					
			B	06/12/14	UPDATED FOR PATTON 5 FEE 8H BATTERY	CHS			CHS	06/12/14					
COG OPERATING LLC 600 WEST ILLINOIS AVENUE MIDLAND, TEXAS 79701											NEW MEXICO SHELF ASSET PRODUCTION FACILITIES SITE FACILITY DIAGRAM PATTON 5 FEE 8H BATTERY				
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											NEW MEXICO SHELF ASSET 				

Patton 5 Fee 8H Battery

Notices

Name & Address

Certified Mail #

ALCHEMY TRUST

MICHAEL T. GARRETT, JR, TRUSTEE

920 NORTH MAIN STREET

CLOVIS, NM 88101

91 7199 9991 7033 2406 7314

ARTESIA OIL & GAS LLC

PO BOX 1768

ARTESIA, NM 88211

91 7199 9991 7033 2406 7246

B & G ROYALTIES

PO BOX 376

ARTESIA, NM 88211

91 7199 9991 7033 2406 7239

BETTY V DALE, SSP

3072 S ZENOBIA ST

DENVER, CO 80236

BLACKBIRD ROYALTIES LLC

28 HALEY CIRCLE

ROSWELL, NM 88201

91 7199 9991 7033 2406 7451

91 7199 9991 7033 2406 7444

CONNI SIMONSEN, SSP

3511 GOLDEN ASPEN DR

FLOWER MOUND, TX 75028

91 7199 9991 7033 2406 7437

DHA. L.L.C

500 WEST WALL STE 300

MIDLAND, TX 79701

91 7199 9991 7033 2406 7420

ELYSE SAUNDERS PATTERSON TRUSTS

INVESTMENT LLC

C/O FARMERS NATIONAL COMPANY AGENT

P O BOX 3480 OIL AND GAS DEPT

OMAHA, NE 68103-0480

91 7199 9991 7033 2406 7413

ESTATE OF GERALDEAN C JOHNSON

ROBERT JOHNSON PR

2877 JOHNSON ROAD

ARTESIA, NM 88210

91 7199 9991 7033 2406 7406

GOOD EARTH MINERALS LLC

PO BOX 1090

ROSWELL, NM 88202-1090

91 7199 9991 7033 2406 7390

GRAHAM FAMILY INVESTMENTS LLC

P O BOX 1835

ROSWELL, NM 88202

91 7199 9991 7033 2406 7383

HERMAN RANDALL JOHNSON, SSP

2706 W. MISSOURI

ARTESIA, NM 88210

91 7199 9991 7033 2406 7208

Patton 5 Fee 8H Battery
Notices

JERRY WAYNE GUSHWA, SSP 708 WEST KILPATRICK MINEOLA, TX 75773	91 7199 9991 7033 2406 7369
JOE LINDALL JOHNSON, SSP 1605 SOUTH 21ST ARTESIA, NM 88210	91 7199 9991 7033 2406 7352
JOHNSON FARMS LLC 202 ESPUELA RD LAKE ARTHUR, NM 88253	91 7199 9991 7033 2406 7345
JUDY GUSHWA SINGLETERRY, SSP PO BOX 5071 HOBBS, NM 88241	91 7199 9991 7033 2406 7338
KATHY RADENE GUSHWA FULLER, SSP 4509 100TH STREET LUBBOCK, TX 79424	91 7199 9991 7033 2406 7321
KAYLA A. PRATT & J. CARL PRATT JTWROS 1086 CURRY ROAD G CLOVIS, NM 88101	91 7199 9991 7033 2406 7222
LARRY JOHN GUSHWA, SSP 2173 HIGHWAY 80 EAST MINEOLA, TX 75773	91 7199 9991 7033 2406 7468
LINDA JOAN ROCKWELL, SSP 206 CR 2336 MINEOLA, TX 75773 MARSHALL & WINSTON, INC. P.O. BOX 50880 MIDLAND, TX 79710-0880	91 7199 9991 7033 2406 7017
MARTHA BETH FOTOPULOS, SSP 1111 MITCHELL STREET CLOVIS, NM 88101	91 7199 9991 7033 2406 7024
MARY A MELTON JOHNSON 706 W RUNYAN ARTESIA, NM 88210	91 7199 9991 7033 2406 7031
MARY KAY MCCOLLUM, SSP 2109 CENTRE AVE ARTESIA, NM 88210	91 7199 9991 7033 2406 7048
	91 7199 9991 7033 2406 7055

Patton 5 Fee 8H Battery
Notices

MATLOCK MINERALS LTD CO PO BOX 1090 ROSWELL, NM 88202-1090	91 7199 9991 7033 2406 7505
NORA HELEN MCCAWE, SSP 210 CROSSBOW ROAD ARTESIA, NM 88210	91 7199 9991 7033 2406 7499
OXY Y-1 COMPANY P O BOX 27570 HOUSTON, TX 77227	91 7199 9991 7033 2406 7482
PATRICIA IRENE LOEWENSTEIN, SSP 12210 AUTUMN VISTA SAN ANTONIO, TX 78249	91 7199 9991 7033 2406 7475
RETA CLEO GOSSETT, SSP 4498 RD 6 NW EPHRATA, WA 98823	91 7199 9991 7033 2406 7062
ROSS DUNCAN PROPERTIES LLC PO BOX 647 ARTESIA, NM 88211	91 7199 9991 7033 2406 7079
ROY DALE GUSHWA, SSP 304 LAKESIDE PLACE MINEOLA, TX 75773	91 7199 9991 7033 2406 7086
SARAH E BUTLER-BROSMER REV TR DTD 7/3/96 SARAH E. BUTLER, TRUSTEE 11808 PHOENIX AVE NE ALBUQUERQUE, NM 87112	91 7199 9991 7033 2406 7093
SCOTT E PETERSON 17342 GOLDEN WEST ST HUNTINGTON BEACH, CA 92647	91 7199 9991 7033 2406 7109
SHARON JUNE SQUIER, SSP 7001 UTICA AVE, APT 403 LUBBOCK, TX 79424	91 7199 9991 7033 2406 7116
TOLES-COM-LTD LLC PO BOX 1300 ROSWELL, NM 88202	91 7199 9991 7033 2406 7123
VIRGINIA H GUSHWA, LIFE TENANT 12910 NE 50TH AVE VANCOUVER, WA 98686	91 7199 9991 7033 2406 7130

Patton 5 Fee 8H Battery
Notices

WALT ISAAC BUTLER 8100 PALO DURO AVE NE ALBUQUERQUE, NM 87110	91 7199 9991 7033 2406 7147
WANDA MARIE HUNT, SSP 242 HILLVIEW DR HORSE CAVE, KY 42749	91 7199 9991 7033 2406 7154
Wilke Ltd. Co. P. O. Box 1653 Artesia, NM 88210-1653	91 7199 9991 7033 2406 7161
WILLIAM I JOHNSON & LORETTA JOHNSON 202 ESPUELA RD LAKE ARTHUR, NM 88253	91 7199 9991 7033 2406 7178
WILLIAM ISAAC JOHNSON, SSP 202 ESPUELA RD LAKE ARTHUR, NM 88253	91 7199 9991 7033 2406 7185
YATES PETROLEUM CORP 105 SOUTH FOURTH STREET ARTESIA, NM 88210	91 7199 9991 7033 2406 7192
DARRELL RAY GREEN 9001 LACY ROAD GRAFORD, TX 76449	91 7199 9991 7033 2406 7291
JAMES E. (EDDIE) CORLEY, SSP 308 OSAGE DRIVE LOGAN, NM 88246	91 7199 9991 7033 2406 7284
JERRY PAUL GREEN 1101 CR 213 BRECKENRIDGE, TX 76424	91 7199 9991 7033 2406 7277
JESSE BRETT JOHNSON, SSP 2801 RICHMOND ROAD, APT 55 TEXARKANA, TX 75503	91 7199 9991 7033 2406 7260
ROBERT L. GREEN, SSP 36 MAISONS DR LITTLE ROCK, AR 72223	91 7199 9991 7033 2406 7253
WAYLON NEAL JOHNSON, SSP 1321 UPLAND DR. #3911 HOUSTON, TX 77043	91 7199 9991 7033 2406 7307

LEGAL NOTICE

COG Operating, LLC is applying to surface commingle four oil wells to a central tank battery in Eddy County, New Mexico. The central tank battery is located at the Patton 5 Fee #8H well. The three wells, details, and locations are the following:

Patton 5 Fee #6H, located in the southwest quarter of section 5, T19S, R26E, Unit L, 1639'FSL & 200'FWL.

Patton 5 Fee #7H, located in the southwest quarter of section 5, T19S, R26E, Unit M, 982'FSL 330'FWL.

Patton 5 Fee #8H, located in the southwest quarter of section 5, T19S, R26E, Unit M, 380'FSL & 330'FWL.

Interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Division, 1220 South Saint Francis Dr., Santa Fe, NM 87505 within 20 days. Additional information can be obtained by contacting Kanicia Castillo, COG Operating LLC, One Concho Center, 600 W Illinois Ave, Midland, TX 79701. Phone number is 432-685-4332.

Published in the Artesia Daily Press, Artesia, N.M., June 13 2014 Legal No. 23029.

Patton 5 Fee 6H

March / April Production Data

Daily Prod Entity									
Name	Prod Date	Oil Volume	Oil Prod 30 Day Avg	Gas Volume	Gas 30 Day Average	Water Volume	Water 30 Day Avg		
PATTON 5 FEE #6H	04/30/2014	148.0200	140.68	199.6200	209.06	335.8200	414.45		
PATTON 5 FEE #6H	04/29/2014	132.8600	138.63	179.5900	208.25	304.5100	416.20		
PATTON 5 FEE #6H	04/28/2014	148.0600	137.40	202.0800	208.14	351.8500	420.56		
PATTON 5 FEE #6H	04/27/2014	140.4800	135.42	190.4800	207.05	331.3500	423.59		
PATTON 5 FEE #6H	04/26/2014	140.7800	133.86	179.2400	208.06	299.2900	427.87		
PATTON 5 FEE #6H	04/25/2014	114.5700	132.58	168.6900	209.90	300.0400	433.70		
PATTON 5 FEE #6H	04/24/2014	140.6800	131.34	196.2400	210.70	295.9600	436.60		
PATTON 5 FEE #6H	04/23/2014	127.3800	130.27	194.3300	211.72	300.8400	442.00		
PATTON 5 FEE #6H	04/22/2014	128.2900	128.94	170.0700	212.87	285.0400	447.95		
PATTON 5 FEE #6H	04/21/2014	151.5300	127.84	184.6600	214.69	342.1500	453.78		
PATTON 5 FEE #6H	04/20/2014	192.1400	125.59	198.1500	215.88	433.5800	457.49		
PATTON 5 FEE #6H	04/19/2014	111.9100	122.31	205.4000	216.57	491.1200	458.74		
PATTON 5 FEE #6H	04/18/2014	92.2500	121.70	197.6500	217.28	499.5200	458.68		
PATTON 5 FEE #6H	04/17/2014	142.9700	121.58	205.4300	217.44	498.5500	457.58		
PATTON 5 FEE #6H	04/16/2014	126.8800	119.64	201.1900	217.74	443.9300	456.89		
PATTON 5 FEE #6H	04/15/2014	134.2500	118.94	226.3100	218.57	482.5700	459.43		
PATTON 5 FEE #6H	04/14/2014	117.6900	117.72	197.8100	218.29	418.7800	460.13		
PATTON 5 FEE #6H	04/13/2014	132.8000	116.89	231.9400	218.68	492.9200	463.49		
PATTON 5 FEE #6H	04/12/2014	129.1700	115.71	216.0400	218.27	604.0400	464.45		
PATTON 5 FEE #6H	04/11/2014	90.9800	115.02	221.6400	218.39	410.2800	459.91		
PATTON 5 FEE #6H	04/10/2014	104.5800	115.02	246.0300	217.90	470.8900	460.50		
PATTON 5 FEE #6H	04/09/2014	12.8600	114.69	241.0100	217.06	435.1300	458.59		
PATTON 5 FEE #6H	04/08/2014	128.5300	116.76	233.1200	215.80	490.4600	458.11		
PATTON 5 FEE #6H	04/07/2014	68.6200	115.44	190.0800	213.18	472.0200	460.96		
PATTON 5 FEE #6H	04/06/2014	126.5900	116.40	250.3300	212.06	505.1400	464.84		
PATTON 5 FEE #6H	04/05/2014	68.8400	116.16	231.3200	209.30	531.8600	466.58		
PATTON 5 FEE #6H	04/04/2014	23.6000	117.81	230.6100	207.88	516.4300	468.73		
PATTON 5 FEE #6H	04/03/2014	132.5700	120.57	242.4400	205.88	452.8200	470.81		
PATTON 5 FEE #6H	04/02/2014	782.3900	120.22	263.0000	203.28	297.0000	475.70		
PATTON 5 FEE #6H	04/01/2014	128.1400	97.48	177.1700	199.57	339.5200	487.37		
PATTON 5 FEE #6H	03/31/2014	86.5000	96.59	175.3800	198.65	388.4500	496.96		
PATTON 5 FEE #6H	03/30/2014	95.9200	99.65	176.4500	197.93	435.1300	505.72		
PATTON 5 FEE #6H	03/29/2014	88.6000	96.98	169.2800	197.35	443.0300	513.37		
PATTON 5 FEE #6H	03/28/2014	93.9200	97.21	220.9200	196.49	459.5900	518.92		
PATTON 5 FEE #6H	03/27/2014	102.2400	97.57	234.1900	193.92	474.2700	524.58		
PATTON 5 FEE #6H	03/26/2014	77.5100	97.03	192.9500	190.60	386.9500	528.38		
PATTON 5 FEE #6H	03/25/2014	108.3400	97.72	226.6600	189.04	458.0900	536.77		
PATTON 5 FEE #6H	03/24/2014	87.6100	97.25	228.8100	187.36	479.1700	543.79		
PATTON 5 FEE #6H	03/23/2014	95.1500	97.52	224.8700	184.97	459.9700	551.56		
PATTON 5 FEE #6H	03/22/2014	84.1700	97.36	220.2100	182.38	453.5700	559.54		
PATTON 5 FEE #6H	03/21/2014	93.5900	100.08	218.7700	180.05	470.8900	570.96		
PATTON 5 FEE #6H	03/20/2014	93.7000	99.60	226.6600	176.93	489.3300	587.65		
PATTON 5 FEE #6H	03/19/2014	88.7200	101.28	202.6300	173.43	466.7500	602.71		

Patton 5 Fee 6H

March / April Production Data

PATTON 5 FEE #6H	03/18/2014	84.7200	102.26	214.4700	170.15	477.6600	614.43
PATTON 5 FEE #6H	03/17/2014	105.7900	103.94	225.9500	166.93	520.2000	628.19
PATTON 5 FEE #6H	03/16/2014	97.8000	104.42	218.0500	163.21	503.6300	639.64
PATTON 5 FEE #6H	03/15/2014	92.6400	105.45	209.4700	159.83	519.3700	652.53
PATTON 5 FEE #6H	03/14/2014	97.4400	107.27	219.5600	156.99	521.7600	669.17
PATTON 5 FEE #6H	03/13/2014	108.6700	108.06	219.6400	153.86	467.9400	681.20
PATTON 5 FEE #6H	03/12/2014	90.8800	109.27	206.8800	150.30	427.8700	698.63
PATTON 5 FEE #6H	03/11/2014	94.5000	111.04	220.8900	147.13	413.6100	718.89
PATTON 5 FEE #6H	03/10/2014	75.1000	112.04	203.2700	143.50	420.8500	736.38
PATTON 5 FEE #6H	03/09/2014	89.0000	114.37	154.4400	140.62	575.9400	753.84
PATTON 5 FEE #6H	03/08/2014	97.3600	116.43	156.4000	139.64	588.2800	766.88
PATTON 5 FEE #6H	03/07/2014	119.5300	118.01	167.6900	138.16	557.3900	779.70
PATTON 5 FEE #6H	03/06/2014	118.1800	119.00	188.8300	136.16	596.3900	792.81
PATTON 5 FEE #6H	03/05/2014	106.4700	120.54	170.3800	133.14	578.8100	799.39
PATTON 5 FEE #6H	03/04/2014	121.9100	121.44	164.4400	130.67	599.7000	802.65
PATTON 5 FEE #6H	03/03/2014	100.4400	123.26	151.6500	128.35	647.0900	802.82
PATTON 5 FEE #6H	03/02/2014	101.2300	124.86	149.8300	126.23	627.2200	801.08
PATTON 5 FEE #6H	03/01/2014	178.5100	125.54	153.5400	123.40	651.0000	800.80

Patton 5 Fee 8H
March / April Production Data

Daily Prod Entity									
Name	Prod Date	Oil Volume	Oil Prod 30 Day Avg	Gas Volume	Gas 30 Day Average	Water Volume	Water 30 Day Avg		
PATTON 5 FEE #8H	04/30/2014	195.1700	133.53	104.1500	96.67	349.3700	327.34		
PATTON 5 FEE #8H	04/29/2014	175.1700	129.69	93.7000	95.78	316.8000	325.61		
PATTON 5 FEE #8H	04/28/2014	195.2100	126.80	105.4300	95.25	366.0400	326.15		
PATTON 5 FEE #8H	04/27/2014	185.2200	123.02	99.3800	94.23	344.7100	325.25		
PATTON 5 FEE #8H	04/26/2014	185.6100	119.74	93.5100	94.17	311.3700	325.48		
PATTON 5 FEE #8H	04/25/2014	151.0600	116.70	88.0100	94.50	312.1400	327.20		
PATTON 5 FEE #8H	04/24/2014	185.4800	114.05	102.3800	94.40	307.9000	326.67		
PATTON 5 FEE #8H	04/23/2014	167.9400	111.20	101.3900	94.33	312.9800	328.09		
PATTON 5 FEE #8H	04/22/2014	169.1400	108.29	88.7300	94.31	296.5400	329.89		
PATTON 5 FEE #8H	04/21/2014	177.2100	105.58	96.8100	94.67	314.2900	331.74		
PATTON 5 FEE #8H	04/20/2014	199.8600	102.27	113.8300	94.68	354.9300	332.83		
PATTON 5 FEE #8H	04/19/2014	198.0000	98.48	99.9200	94.10	279.2000	333.01		
PATTON 5 FEE #8H	04/18/2014	159.2800	94.77	113.9600	94.11	267.4600	336.19		
PATTON 5 FEE #8H	04/17/2014	252.9600	92.19	125.8500	93.29	277.9300	339.18		
PATTON 5 FEE #8H	04/16/2014	117.1200	86.36	88.8100	92.25	339.7600	342.10		
PATTON 5 FEE #8H	04/15/2014	123.9300	85.71	99.9000	92.62	369.3300	344.05		
PATTON 5 FEE #8H	04/14/2014	108.6300	84.59	87.3200	92.50	320.5100	344.59		
PATTON 5 FEE #8H	04/13/2014	122.5900	83.56	102.3900	92.70	377.2600	345.33		
PATTON 5 FEE #8H	04/12/2014	119.2300	81.55	95.3700	93.14	462.3000	345.62		
PATTON 5 FEE #8H	04/11/2014	83.9900	81.29	97.8400	94.48	314.0100	350.48		
PATTON 5 FEE #8H	04/10/2014	96.5400	81.27	108.6100	95.40	360.3900	359.43		
PATTON 5 FEE #8H	04/09/2014	11.8700	81.18	106.3900	96.13	333.0300	367.73		
PATTON 5 FEE #8H	04/08/2014	118.6400	84.05	102.9100	96.55	375.3800	377.86		
PATTON 5 FEE #8H	04/07/2014	63.3400	83.39	83.9100	98.12	361.2600	384.41		
PATTON 5 FEE #8H	04/06/2014	116.8500	84.88	110.5100	100.39	386.6100	391.83		
PATTON 5 FEE #8H	04/05/2014	63.5400	85.41	102.1200	102.14	407.0600	397.39		
PATTON 5 FEE #8H	04/04/2014	21.7800	87.67	101.8000	104.85	395.2500	403.56		
PATTON 5 FEE #8H	04/03/2014	122.3700	90.89	107.0200	106.97	346.5700	409.54		
PATTON 5 FEE #8H	04/02/2014	0.0000	91.33	0.0000	108.73	0.0000	417.83		
PATTON 5 FEE #8H	04/01/2014	118.2800	95.05	78.2100	113.64	259.8500	439.25		
PATTON 5 FEE #8H	03/31/2014	79.8400	94.85	77.4200	115.89	297.3000	451.34		
PATTON 5 FEE #8H	03/30/2014	88.5400	98.80	77.8900	118.28	333.0300	462.97		
PATTON 5 FEE #8H	03/29/2014	81.7900	96.43	74.7300	120.84	339.0800	473.87		
PATTON 5 FEE #8H	03/28/2014	86.7000	97.24	97.5300	123.00	351.7500	482.74		
PATTON 5 FEE #8H	03/27/2014	94.3800	98.23	103.3800	124.41	362.9900	491.84		
PATTON 5 FEE #8H	03/26/2014	71.5500	98.28	85.1800	125.32	296.1500	499.21		
PATTON 5 FEE #8H	03/25/2014	100.0100	99.52	100.0600	127.21	350.6000	510.47		
PATTON 5 FEE #8H	03/24/2014	80.8700	99.68	101.0100	129.58	366.7300	520.91		
PATTON 5 FEE #8H	03/23/2014	87.8300	100.53	99.2700	131.31	352.0400	532.26		
PATTON 5 FEE #8H	03/22/2014	77.6900	101.21	97.2100	132.84	347.1400	543.68		
PATTON 5 FEE #8H	03/21/2014	86.3900	101.74	96.5800	135.21	360.3900	557.65		
PATTON 5 FEE #8H	03/20/2014	86.4900	109.30	100.0600	136.54	374.5100	550.78		
PATTON 5 FEE #8H	03/19/2014	81.8900	112.71	89.4500	140.50	357.2300	555.49		

Patton 5 Fee 8H
March / April Production Data

PATTON 5 FEE #8H	03/18/2014	78.2000	115.14	94.6800	143.74	365.5800	558.55
PATTON 5 FEE #8H	03/17/2014	97.6600	118.42	99.7400	147.65	398.1300	562.64
PATTON 5 FEE #8H	03/16/2014	90.2800	120.43	96.2600	151.16	385.4600	565.16
PATTON 5 FEE #8H	03/15/2014	77.6000	123.03	93.4100	154.92	342.7000	568.58
PATTON 5 FEE #8H	03/14/2014	62.4600	126.87	115.7200	159.26	386.1800	575.78
PATTON 5 FEE #8H	03/13/2014	111.4500	130.08	135.5400	162.91	607.9600	579.04
PATTON 5 FEE #8H	03/12/2014	83.2500	132.69	125.4100	165.15	582.5000	576.89
PATTON 5 FEE #8H	03/11/2014	93.7200	136.21	130.4400	167.66	609.3400	576.41
PATTON 5 FEE #8H	03/10/2014	97.9600	138.52	119.0100	170.00	637.0700	573.25
PATTON 5 FEE #8H	03/09/2014	98.8800	141.58	150.0600	173.03	571.7800	569.28
PATTON 5 FEE #8H	03/08/2014	108.1800	144.87	151.9600	175.52	584.0300	567.90
PATTON 5 FEE #8H	03/07/2014	132.8200	147.58	162.9400	177.15	553.3600	566.22
PATTON 5 FEE #8H	03/06/2014	131.3100	149.68	183.4800	178.17	592.0800	565.16
PATTON 5 FEE #8H	03/05/2014	118.3000	152.47	165.5400	177.92	574.6300	559.93
PATTON 5 FEE #8H	03/04/2014	135.4600	153.98	159.7800	176.13	595.3700	574.55
PATTON 5 FEE #8H	03/03/2014	111.6100	156.66	147.3500	174.47	642.4200	584.88
PATTON 5 FEE #8H	03/02/2014	112.4700	158.99	145.5800	172.96	622.6900	593.14
PATTON 5 FEE #8H	03/01/2014	198.3400	160.06	149.1900	170.54	646.3000	602.35

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

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

Jami Bailey, Division Director
Oil Conservation Division



ADMINISTRATIVE CENTRAL TANK BATTERY ORDER

Administrative Order CTB-721
Administrative Application Reference No. pMAM1416859513

July 8, 2014

COG Operating LLC
Attention: Kanicia Castillo

COG Operating LLC (OGRID 22937) is hereby authorized to surface commingle oil and gas production from Atoka; Glorieta-Yeso (**3250**) from the following leases and wells:

<u>Name</u>	<u>API No.</u>	<u>Footages</u>	<u>ULSTR</u>
Patton 5 Fee Well No. 6H	30-015-39716	1639 FSL&200 FWL	L-5-19S-26E
Patton 5 Fee Well No. 7H	30-015-39640	982FS1&330 FWL	M-5-19S-26E
Patton 5 Fee Well No. 8H	30-015-39641	380 FSL&330 FWL	M-5-19S-26E

The commingled oil and gas production from the wells detailed above shall be measured and sold at the Patton 5 Fee Well No. 8H central tank battery (CTB), located in Unit M, of Section 5, Township 19 South, Range 26 East, NMPM, Eddy County, New Mexico.

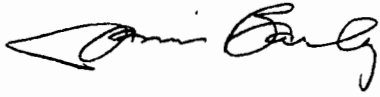
The oil and gas production from each well shall be continuously measured with allocation meters before commingling with production from other wells. The allocation meters shall be calibrated quarterly in accordance with Rule 19.15.12.10.C (2) NMAC.

This installation shall be installed and operated in accordance with the applicable Division Rules. It is the responsibility of the producer to notify the transporter of this commingling authority.

The operator shall notify the Artesia District office of the Division prior to implementation of the commingling operations.

July 8, 2014
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Done at Santa Fe, New Mexico, on July 8, 2014.

A handwritten signature in black ink, appearing to read "Jami Bailey". The signature is written in a cursive, flowing style.

Jami Bailey
Division Director

JB/mam

cc: Oil Conservation Division – Artesia