

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**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.*

**Carlsbad Field Office**  
**OCD Artesia**

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

5. Lease Serial No.  
NMLC054280

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
MCINTYRE A EAST 15

9. API Well No.  
30-015-31854-00-S1

10. Field and Pool or Exploratory Area  
LOCO HILLS-QU-GB-SA

11. County or Parish, State  
EDDY COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  Other

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

3a. Address **600 W ILLINOIS AVENUE  
MIDLAND, TX 79701** 3b. Phone No. (include area code)  
Ph: **432-685-4332**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Sec 20 T17S R30E SESE 330FSL 990FEL**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recomplete 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must 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 to recomplete to the San Andres as follows:

*GC 5-24-18*  
*Accepted for record - NMOCD*

MCINTYRE A EAST #15

We are going to set a CIBP at 4,551' (50' above the YESO perms) w/ 40' of CMT on top of the plug to have our PBTD @ 4,511'. We plan to have our top perms from 3,370' ? 3,700' and bottom perms from 3,740'-4,170'. Ideally, we like to have 200'-300' of rathole below our bottom perms to give our bottom hole assembly room and prevent tubing from getting stuck with sand. In addition to having desired rathole space, this gives COG the option to re-enter the Glorietta/Yeso formation at later time.

Equipment Pull Procedure  
? MIRU WSU, NU BOP

RECEIVED RECEIVED  
MAY 23 2018  
DISTRICT II-ARTESIA O.C.D.

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

**Electronic Submission #410685 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by PRISCILLA PEREZ on 04/09/2018 (18PP1471SE)**

Name (Printed/Typed) <b>KANICIA CASTILLO</b>	Title <b>PREPARER</b>
Signature (Electronic Submission)	Date <b>04/06/2018</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>/s/ Jonathon Shepard</b>	Title <b>PETROLEUM ENGINEER</b>	Date <b>05/16/2018</b>
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 <b>CFO</b>	

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.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

**Additional data for EC transaction #410685 that would not fit on the form**

**32. Additional remarks, continued**

- ? Unset pump and POOH with rod and tbg
- ? PU scraper and scrape down to 4,601?
- ? RU Wireline
- ? Make gauge ring/ junk basket run
- ? Set CIBP @ 4,551?
- ? Wireline truck dump 40? Class C cement of top of CIBP
- ? Tag cement plug to verify depth of 4,511?
- ? Pull up 4? to circulate hole clean with fresh water, and displace w/ 2% KCL and 1% packer corrosion inhibitor.
- ? Test Casing to 4,300 psi and report back to engineering if the pressure holds.
- ? Dump bail acid in the perf interval
- ? RIH w/ perforating guns and perforate San Andres Zone from 3,740?-4,170?, w/ 3 spf, 120? phasing, 54 holes
- ? NU 5K frac valve
- ? Secure wellbore
- ? RDMO WSU

**Tentative Recompletion Procedure**

- ? RU Elite Well Services Frac Crew
- ? Acidize w/ 3,000 gals of 15% HCl.
- ? SW Frac zone w/ 375,000 # of sand.
- ? Record ISIP and FG, Get 5, 10, 15 min SIP
- ? Rig up Wireline
- ? RIH w/ WL and set Composite Plug @ 3,720?
- ? Perforate San Andres Zone from 3,370?-3,700?, w/ 3 spf, 120? phasing, 54 holes.
- ? Acidize w/ 3,000 gals of 15% HCl.
- ? SW Frac zone w/ 375,000 # of sand.
- ? Record ISIP and FG, Get 5, 10, 15 min SIP
- ? RDMO Elite

Please see attachment for full procedure.

### **MCINTYRE A EAST #15**

We are going to set a CIBP at 4,551' (50' above the YESO perms) w/ 40' of CMT on top of the plug to have our PBD @ 4,511'. We plan to have our top perms from 3,370' – 3,700' and bottom perms from 3,740'-4,170'. Ideally, we like to have 200'-300' of rathole below our bottom perms to give our bottom hole assembly room and prevent tubing from getting stuck with sand. In addition to having desired rathole space, this gives COG the option to re-enter the Glorietta/Yeso formation at later time.

#### **Equipment Pull Procedure**

- MIRU WSU, NU BOP
- Unset pump and POOH with rod and tbg
- PU scraper and scrape down to 4,601'
- RU Wireline
- Make gauge ring/ junk basket run
- **Set CIBP @ 4,551'**
- Wireline truck dump 40' Class C cement of top of CIBP
- **Tag cement plug to verify depth of 4,511'**
- Pull up 4' to circulate hole clean with fresh water, and displace w/ 2% KCL and 1% packer corrosion inhibitor.
- Test Casing to 4,300 psi and report back to engineering if the pressure holds.
- Dump bail acid in the perf interval
- RIH w/ perforating guns and perforate San Andres Zone from **3,740'-4,170'**, w/ 3 spf, 120° phasing, 54 holes
- NU 5K frac valve
- Secure wellbore
- RDMO WSU

#### **Tentative Recompletion Procedure**

- RU Elite Well Services Frac Crew
- Acidize w/ 3,000 gals of 15% HCl.
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- Record ISIP and FG, Get 5, 10, 15 min SIP
- Rig up Wireline
- **RIH w/ WL and set Composite Plug @ 3,720'**
- Perforate San Andres Zone from **3,370'-3,700'**, w/ 3 spf, 120° phasing, 54 holes.
- Acidize w/ 3,000 gals of 15% HCl.
- SW Frac zone w/ 375,000 # of sand.
- Record ISIP and FG, Get 5, 10, 15 min SIP
- RDMO Elite

#### **Return to Production Procedure**

- MIRU WSU
- RIH with bit and jet tool to drill out composite plugs
- Clean out fill to new **PBD @ 4,511'**
- RIH with production tubing as follows:
  - (101) jts 2-7/8" J55 6.5# tbg
  - (1) 2' marker joint

- (2) jts 2-7/8" J55 6.5# tbg
- **TAC @3,350'**
- (26) jts 2-7/8" J55 6.5# tbg
- **SN @ 4,195'**
- (1) 20' MSMA
- **EOT @ 4,215'**
- ND BOP, set TAC, flange up WH
- RIH w/ rod design as follows:
  - (1) 26' x 1-1/2" SMPR
  - (158) 7/8" D rods
  - (10) 1-5/8" K bars
  - (1) 25-150 RHBC-20' Pump
- Please reuse as many rods as possible and pull the rest from inventory
- **PLEASE ADJUST UNIT TO 7.5 SPM**
- **PLEASE PUT UNIT IN LONG HOLE ON CRANKS (168" Stroke length)**
  - If not in the long hole already
- Hang on, load tubing and note pump action and alignment
- Clean location
- Update rod and tubing detail in Well View
- All charges will hit AFE #
- PWOP and contact Robby Miller before turning on
- RDMO, TOTP

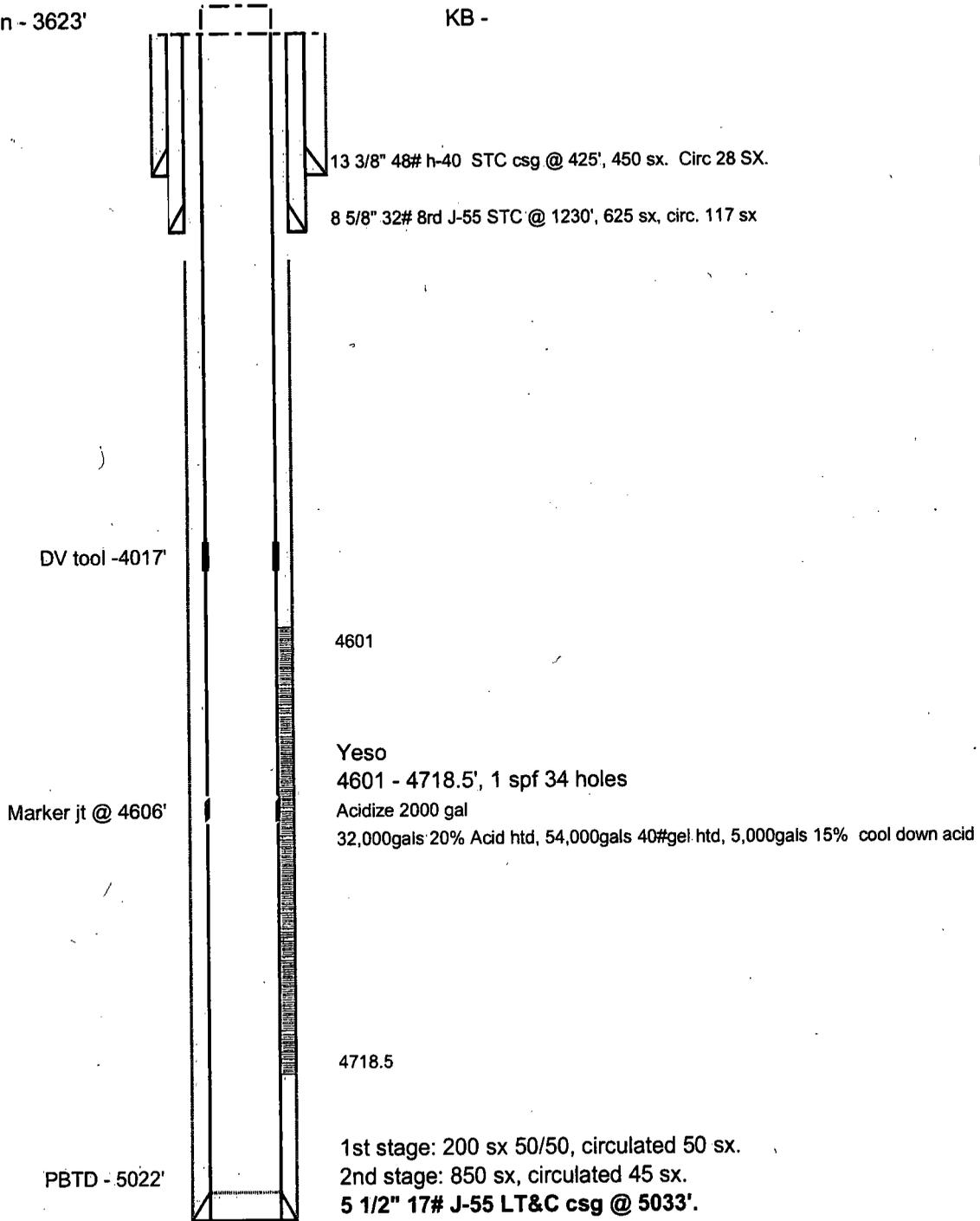
COG Operating LLC

Lease & Well # McIntyre A East #15

Spud: 8/1/01

Elevation - 3623'

KB -



# COG Operating LLC

Lease & Well #

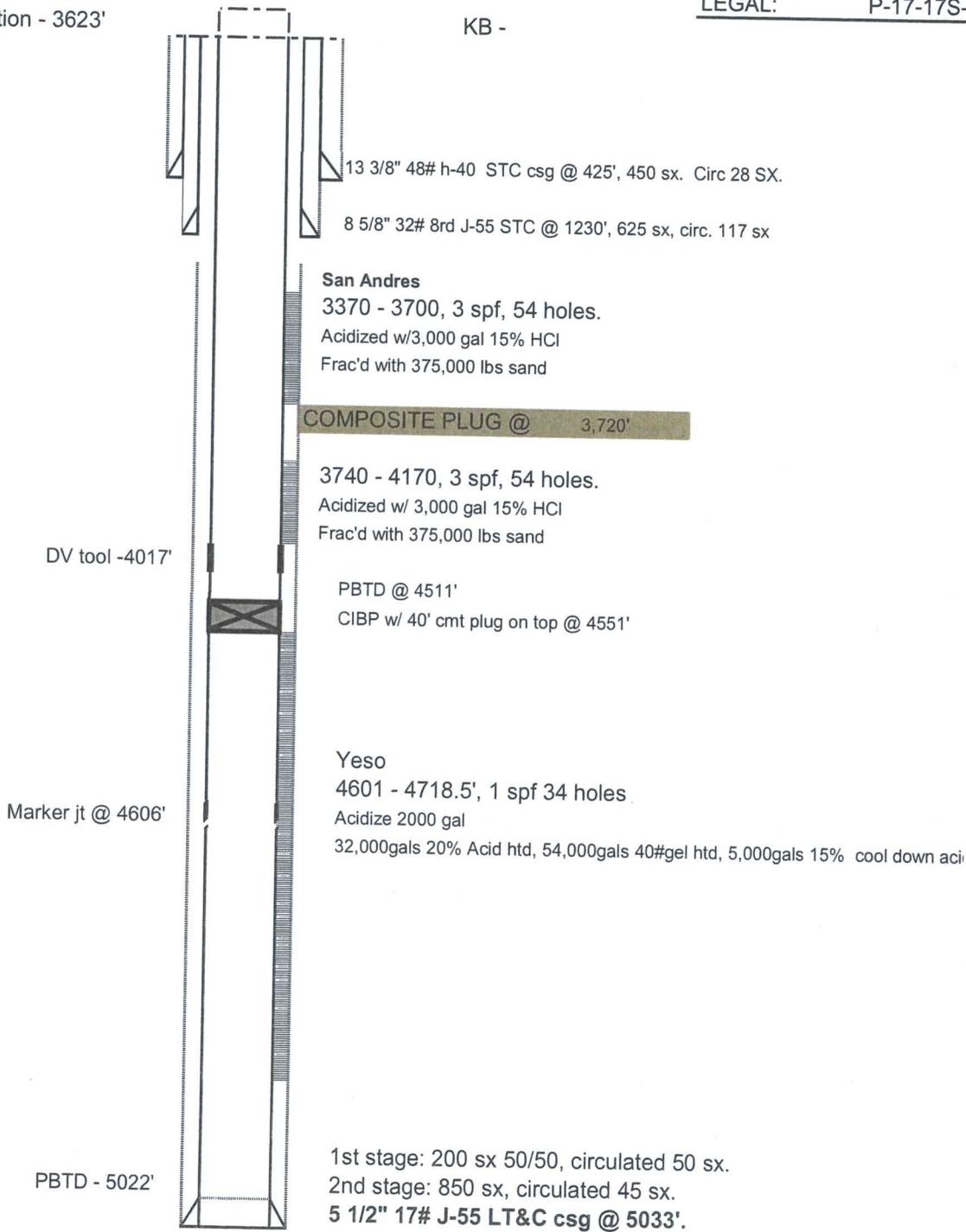
McIntyre A East #15

Spud: 8/1/01

Elevation - 3623'

WELL NAME:	McIntyre A
SHL:	P-17-17S-3
BHL:	P-17-17S-3
FORMATION:	Paddock
LEGAL:	P-17-17S-3

KB -



District I  
1600 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos 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, NM 87505

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-31854		<sup>2</sup> Pool Code 28509		<sup>3</sup> Pool Name Grayburg Jackson;SR-Q-G-SA	
<sup>4</sup> Property Code 302521		<sup>5</sup> Property Name McIntyre A East			<sup>6</sup> Well Number 15
<sup>7</sup> OGRID No. 229137		<sup>8</sup> Operator Name COG Operating LLC			<sup>9</sup> Elevation 3623

<sup>10</sup> 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	20	17S	30E		330	South	990	East	Eddy

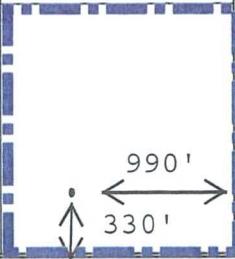
<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

				<b><sup>17</sup> OPERATOR CERTIFICATION</b>	
				<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>	
				 Signature	1/29/15 Date
				Printed Name Kanicia Castillo	
				E-mail Address kcstillo@concho.com	
				<b><sup>18</sup> SURVEYOR CERTIFICATION</b>	
				<i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>	
				Date of Survey	
				Signature and Seal of Professional Surveyor:	
				Certificate Number	



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

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-31854		<sup>2</sup> Pool Code 96718		<sup>3</sup> Pool Name Loco Hills;Glorieta-Yeso	
<sup>4</sup> Property Code 302521		<sup>5</sup> Property Name McIntyre A East			<sup>6</sup> Well Number 15
<sup>7</sup> OGRID No. 229137		<sup>8</sup> Operator Name COG Operating LLC			<sup>9</sup> Elevation 3623

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				<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>	
				 Signature	1/29/15 Date
				Kanicia Castillo Printed Name	
				kcstillo@concho.com E-mail Address	
				<b><sup>18</sup> SURVEYOR CERTIFICATION</b>	
				<i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>	
				Date of Survey	
				Signature and Seal of Professional Surveyor:	
				Certificate Number	

