

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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 (AND) for such proposals.

Carlsbad Field Office

SUBMIT IN TRIPLICATE - Other instructions on page 2

OCD Artesia

5. Lease Serial No.  
NMNM0467932

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
W D MCINTYRE E 59. API Well No.  
30-015-30291-00-S110. 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 ☐ Other2. Name of Operator  
COG OPERATING LLCContact: KANICIA CASTILLO  
E-Mail: kcastillo@concho.com3a. Address  
600 W ILLINOIS AVENUE  
MIDLAND, TX 797013b. 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 NESW 1650FSL 1650FWL

Gr. Ayburg Jackson

28509

## 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 requests to recomplete from the Yeso to the San Andres as follows:

WD MCINTYRE E #5

We are going to set a CIBP at 4,340? (50? above the YESO perfs) w/ 40? of CMT on top of the plug to have our PBTD @ 4,300?. We plan to have our top perfs from 3,190? ? 3,580? and bottom perfs from 3,620?-3,990?. Ideally, we like to have 200?-300? of rathole below our bottom perfs 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 Glorieta/Yeso formation at a later time.

Equipment Pull Procedure

? MIRU WSU, NU BOP

? Unset pump and POOH with rod and tbg

NM OIL CONSERVATION  
ARTESIA DISTRICT

JUN 27 2018

RECEIVED

GC 6-28-18  
Accepted for record - NMOCD

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

Electronic Submission #423521 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by PRISCILLA PEREZ on 06/11/2018 (18PP1943SE)

Name (Printed/Typed) KANICIA CASTILLO

Title PREPARER

Signature (Electronic Submission)

Date 06/11/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

/s/ Jonathon Shepard

Approved By

Title

JUN 13 2018

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.

Petroleum Engineer  
Carlsbad Field 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.

(Instructions on page 2)

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

**Additional data for EC transaction #423521 that would not fit on the form**

**32. Additional remarks, continued**

? PU scraper and scrape down to 4,390?  
? RU Wireline  
? Make gauge ring/ junk basket run  
? Set CIBP @ 4,340?  
? Wireline truck dump 40? Class C cement of top of CIBP  
? Tag cement plug to verify depth of 4,300?  
? 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 3,620?-3,990?, 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.  
? XL 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 @ 3,600?  
? Perforate San Andres Zone from 3,190?-3,580?, w/ 3 spf, 120? phasing, 54 holes.  
? Acidize w/ 3,000 gals of 15% HCl.  
? XL Frac zone w/ 375,000 # of sand.  
? Record ISIP and FG, Get 5, 10, 15 min SIP  
? RDMO Elite  
Please see complete procedure attached.

### **MCINTYRE WD E #5**

We are going to set a CIBP at 4,340' (50' above the YESO perfs) w/ 40' of CMT on top of the plug to have our PBTD @ 4,300'. We plan to have our top perfs from 3,190' – 3,580' and bottom perfs from 3,620'-3,990'. Ideally, we like to have 200'-300' of rathole below our bottom perfs 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 a later time.

### **Equipment Pull Procedure**

- MIRU WSU, NU BOP
- Unset pump and POOH with rod and tbg
- PU scraper and scrape down to 4,390'
- RU Wireline
- Make gauge ring/ junk basket run
- **Set CIBP @ 4,340'**
- Wireline truck dump 40' Class C cement of top of CIBP
- **Tag cement plug to verify depth of 4,300'**
- 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 **3,620'-3,990'**, 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.
- XL 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 @ 3,600'**
- Perforate San Andres Zone from **3,190'-3,580'**, w/ 3 spf, 120° phasing, 54 holes.
- Acidize w/ 3,000 gals of 15% HCl.
- XL 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 bailer to drill out composite plug
- Clean out fill to new **PBTD @ 4,300'**
- RIH with production tubing as follows:
  - (95) jts 2-7/8" J55 6.5# tbg
  - (1) 2' marker joint

- (2) jts 2-7/8" J55 6.5# tbg
  - **TAC @3,154'**
  - (27) jts 2-7/8" J55 6.5# tbg
  - **SN @ 4,032'**
  - (1) D3405 Cavins Desander
  - (4) jts 2-7/8" J55 BPMA
  - **EOT @ 4,162'**
- ND BOP, set TAC, flange up WH
- RIH w/ rod design as follows:
  - (1) 26' x 1-1/2" SMPR
  - (1) 6' x 3/4" rod sub
  - (155) 3/4" D rods
  - (6) 1-5/8" K bars
  - (1) 25-150 RHBC-20' Pump
- Please make sure the pump is in the correct position and pull the rest of the inventory
- Please make sure the pump is in the correct position
- Please make sure the pump is in the correct position and pull the rest of the inventory
  - If crank rotation is not CCW, please make sure it is CCW
- Hang on, load tubing and note pump action and alignment
- Clean location
- Update rod and tubing detail in Well View
- All charges will hit recompletion AFE (800/500) code
- PWOP and contact Robby Miller before turning on
- RDMO, TOTP

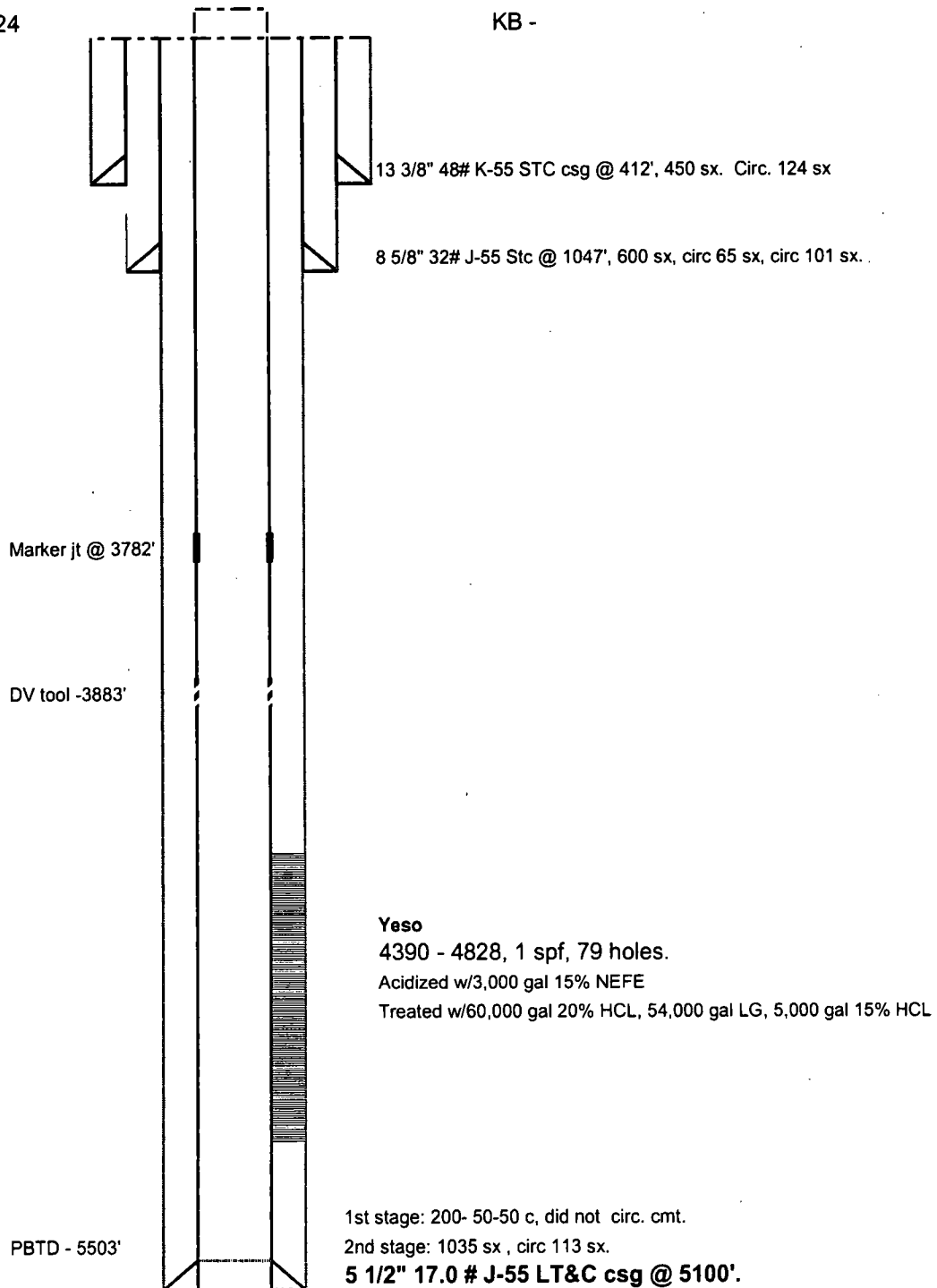
COG Operating LLC  
Current

Lease & Well # McIntyre E # 5

Spud: 7/26/98

Elevation - 3624

KB -



6/4/2018

McIntyre E #5 Wellbore diagram

SH

# COG Operating LLC

Lease & Well # McIntyre E # 5

Spud: 7/26/98

Elevation - 3624

WELL NAME

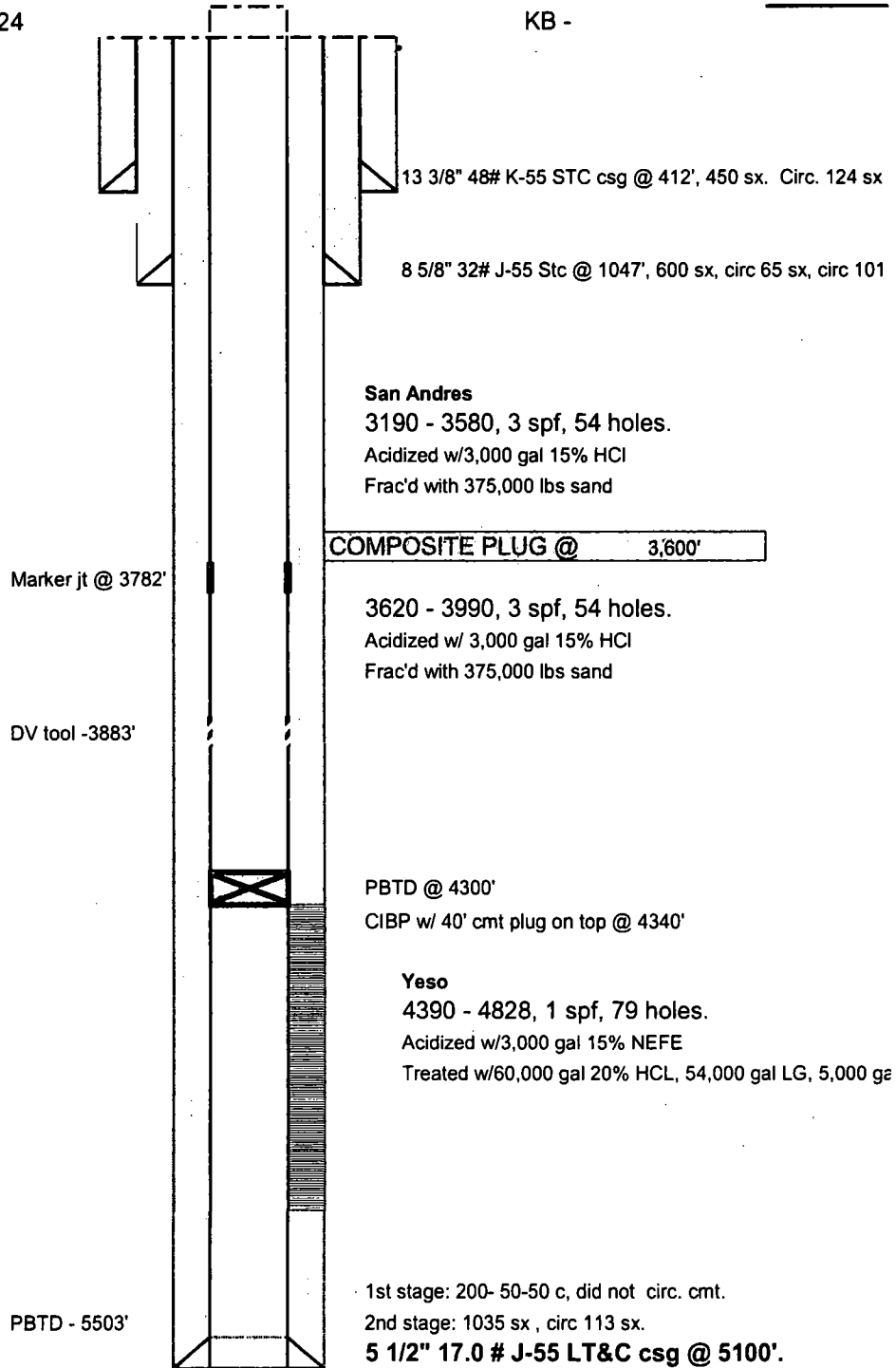
SHL:

BHL:

FORMATION

LEGAL:

KB -



**District I**

1625 N. French Dr., Hobbs, NM 88240

**District II**

1301 W. Grand Avenue, Artesia, NM 88210

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410

**District IV**

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

NEW OIL CONSERVATION

ARTESIA DISTRICT

JUN 27 2018

RECEIVED

Form C-102

Revised June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-015-30291</b>	<sup>2</sup> Pool Code <b>28509</b>	<sup>3</sup> Pool Name <b>Grayburg Jackson; SR-Q-G-SA</b>
<sup>4</sup> Property Code <b>302576</b>	<sup>5</sup> Property Name <b>WD McIntyre E</b>	
<sup>7</sup> OGRID No. <b>229137</b>	<sup>8</sup> Operator Name <b>COG OPERATING LLC</b>	
		<sup>6</sup> Well Number <b>5</b>
		<sup>9</sup> Elevation <b>3618</b>

<sup>10</sup> Surface Location

UL or lot no. <b>K</b>	Section <b>20</b>	Township <b>17S</b>	Range <b>30E</b>	Lot Idn	Feet from the <b>1650</b>	North/South line <b>South</b>	Feet from the <b>1650</b>	East/West line <b>West</b>	County <b>Eddy</b>
---------------------------	----------------------	------------------------	---------------------	---------	------------------------------	----------------------------------	------------------------------	-------------------------------	-----------------------

<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 <b>40</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code		<sup>15</sup> Order No. <b>DHC-3583</b>					

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

	<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>	
	Signature 	
	Printed Name <b>Kanicia Castillo</b>	
	Title and E-mail Address <b>Regulatory Analyst</b>	
Date <b>6/04/18</b>		<sup>18</sup> SURVEYOR CERTIFICATION <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		

RWP 7-13-18

**District I**  
1625 N. French Dr., Hobbs, NM 88240

**District II**  
1301 W. Grand Avenue, Artesia, NM 88210

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410

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

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 June 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
JUN 27 2018  
**RECEIVED**

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number <b>30-015-30291</b>	<sup>2</sup> Pool Code <b>96718</b>	<sup>3</sup> Pool Name <b>Loco Hills; Glorieta-Yeso</b>
<sup>4</sup> Property Code <b>302576</b>	<sup>5</sup> Property Name <b>WD McIntyre E</b>	
<sup>7</sup> OGRID No. <b>229137</b>	<sup>8</sup> Operator Name <b>COG OPERATING LLC</b>	
		<sup>6</sup> Well Number <b>5</b>
		<sup>9</sup> Elevation <b>3618</b>

<sup>10</sup> Surface Location

UL or lot no. <b>K</b>	Section <b>20</b>	Township <b>17S</b>	Range <b>30E</b>	Lot Idn	Feet from the <b>1650</b>	North/South line <b>South</b>	Feet from the <b>1650</b>	East/West line <b>West</b>	County <b>Eddy</b>
---------------------------	----------------------	------------------------	---------------------	---------	------------------------------	----------------------------------	------------------------------	-------------------------------	-----------------------

<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 <b>40</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code		<sup>15</sup> Order No. <b>DHC-3583</b>					

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

	<sup>17</sup> OPERATOR CERTIFICATION			
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.			
	Signature			
<b>Kanicia Castillo</b> Printed Name				
<b>Regulatory Analyst</b> Title and E-mail Address				
<b>6/04/18</b> Date				
<sup>18</sup> 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				
Signature and Seal of Professional Surveyor:				
Certificate Number				