Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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 and Natural Resources

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

Form C-103
Jun 19, 2008

WELL API NO. **30-045-10062**

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No. E-3150

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name **State Gas Com A**

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

8. Well Number **1**

2. Name of Operator **ConocoPhillips Company**

9. OGRID Number **217817**

3. Address of Operator P.O. Box 4289, Farmington, NM 87499-4289

10. Pool name or Wildcat **Basin DK**

4. Well Location
Unit Letter **N** : **1090** feet from the **South** line and **1650** feet from the **West** line
Section **36** Township **31N** Range **12W** NMPM **San Juan** County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 5910' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
OTHER:	☐			OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

ConocoPhillips Company requests permission to P&A the subject well per the attached procedure, current and proposed wellbore schematics. A Closed Loop System will be used on Location for this P&A

add Chacra plug from 3003'-3103'
move Fruitland plug to 1885'-1985', # Move Mancos plug to 5080'-5180'

RCVD SEP 30 '13
OIL CONS. DIV.
DIST. 3

Spud Date: Rig Released Date:

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

SIGNATURE _____ TITLE Staff Regulatory Technician DATE 9/26/13

Type or print name Kenny Davis E-mail address: kenny.r.davis@conocophillips.com PHONE: 505-599-4045

For State Use Only

APPROVED BY: _____ TITLE Deputy Oil & Gas Inspector, District #3 DATE 10/10/13

Conditions of Approval (if any):

AV

ConocoPhillips
STATE GAS COM A 1
Expense - P&A

Lat 36° 51' 5.81" N **Long 108° 3' 10.224" W**

Prepared by:	Jake Morrissette	**Date:**	July 9, 2013
Peer Reviewed by:	Jessica Simpson	**Date:**	July 11, 2013
Supervisor:	Jim Fodor		

Twinned Location: No **Currently Surface Commingled:** No

Scope of Work: P&A the wellbore and return the location to its natural state.

Est. Rig Days: 7 **Area:** 1 **Route:** 104
Formation: DK

WELL DATA

API: 3004510062 **Spud Date:** 12/31/1964
LOCATION: 1090' FSL & 1650' FWL, Spot N, Section 36 -T 031N - R 012W

Artificial lift on well (type): Plunger **Est. Reservoir Pressure (psia):** 2200 (DK)

Well Failure Date: N/A **Earthen Pit Required:** NO

H2S: **0 ppm ALWAYS VERIFY**

Special Requirements:
This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
Also: Two cement retainers and a 3-7/8" watermelon mill for 4-1/2" OD casing (mixed weight casing string in hole), several joints of 2-3/8" tubing, and one CBL.

Contacts	Name	Office #	Cell #
Wells Engineer	Jake Morrissette	326-9872	215-7063
Backup Wells Engineer	Jessica Simpson	324-6197	320-2596
PO Engineer	Anthony Williams	326-9532	215-5766
MSO	Roman Lucero Jr		215-5682
Lead	Bryan Lovato		320-2538
Area Foreman	Richard Lopez	324-5135	320-9539

Well History/Justification
The State Gas Com A #1 was drilled and completed as a standalone Dakota producer in January 1965. The well was worked over in April 1995 and a casing leak was found at about 5000'. A packer was landed at 6140' to isolate the leak from the producing Dakota zone. In January 2012, the well was scheduled for an up-hole completion in the Mesa Verde formation. This recomplete would commingle the Mesa Verde and Dakota formations. The recompletion project was cancelled in April 2013.

Recommendation
It is recommended to P&A this well since it has poor casing integrity up hole for a recompletion and is unprofitable due to no gas production.

ConocoPhillips
STATE GAS COM A 1
Expense - P&A

Lat 36° 51' 5.81" N **Long 108° 3' 10.224" W**

PROCEDURE

This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig.

2. MIRU work over rig. Check casing, tubing, and bradenhead pressures and record them in Wellview. **If there is pressure on the BH, contact engineer to review complete BH history and get a gas analysis done.**

3. When an existing primary valve (i.e. casing valve) is to be used, the existing piping should be removed and replaced with the appropriate piping for the intended operation.

4. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with water, as necessary, and pump at least tubing capacity of water down tubing.

5. ND wellhead and NU BOPE. Pressure and function test BOP. Pressure test the BOP to 200-300 psi for the low pressure test and 1500 psi for the high pressure test. PU and remove tubing hanger.

6. Release Howco R-4 packer and TOOH with 2-3/8" tubing and packer (per pertinent data sheet).

Tubing:	Yes	**Size:**	2-3/8"	**Set Depth:**	6836'
Packer:	Yes	**Size:**	4-1/2"	**Set Depth:**	6140'

7. Round trip 3-7/8" bit and watermelon mill for 4-1/2" OD casing (mixed weight casing string in hole) to the top of perfs at 6766'.

All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type II mixed at 15.6 ppg with a 1.18 cf/sk yield.

8. PU and set CR on tubing for 4-1/2" OD casing at 6716' (50' above perfs at 6766'). Load tubing with water and pressure test tubing to 1000 psi. Unsting from CR, load casing and tubing, and circulate clean. Pressure test casing to 800 psi. If casing does not test, then spot or tag subsequent plugs as appropriate.

9. RU wireline and run CBL from 6716' to surface and contact Rig Supervisor and Wells Engineer with results.

10. Plug 1 (Dakota Perfs, Dakota and Graneros Formation Tops, 6616-6716', 12 Sacks Class B Cement)
Mix 12 sxs Class B cement and spot a balanced plug inside the casing to isolate the Dakota perforations and the Dakota and Graneros formation tops. Lay down tubing to 5950'.

11. Plug 2 (Gallup Formation Top, 5850-5950', 12 Sacks Class B Cement)
Mix 12 sxs Class B cement and spot a balanced plug inside the casing to isolate the Gallup formation top. Lay down tubing to 4900'.

12. Plug 3 (Mancos Formation Top, 4800-4900', 12 Sacks Class B Cement)
Mix 12 sx Class B cement and spot a balanced plug inside the casing to isolate the Mancos formation top. Lay down tubing to 3876', then TOH.

13. Plug 4 (Mesa Verde Formation Top, 3826-3926', 36 Sacks Class B Cement)
Perforate 3 squeeze holes at 3890'. Establish injection rate into squeeze holes. PU cement retainer for 4-1/2" OD casing and set at 3876' on tubing. Mix 36 sx Class B cement. Squeeze 24 sx into the squeeze holes and leave 12 sx inside the casing to isolate the Mesa Verde formation top. Lay down tubing to 2370'.

14. Plug 5 (Pictured Cliffs Formation Top, 2270-2370', 12 Sacks Class B Cement)
Mix 12 sx Class B cement and spot a balanced plug inside the casing to isolate the Pictured Cliffs formation top. Lay down tubing to 1744'.

15. Plug 6 (Fruitland Formation Top, 1644-1744', 12 Sacks Class B Cement)
Mix 12 sx Class B cement and spot a balanced plug inside the casing to isolate the Fruitland Coal formation top. Lay down tubing to 761'.

16. Plug 7 (Kirtland and Ojo Alamo Formation Tops, 609-761', 16 Sacks Class B Cement)
Mix 16 sx Class B cement and spot a balanced plug inside the casing to cement the Kirtland and Ojo Alamo formation tops. Lay down tubing to 360.

17. Plug 8 (Surface Shoe, 0-360', 32 Sacks Class B Cement)
Mix 32 sx Class B cement and spot a balanced plug inside the casing to isolate the surface casing shoe. Shut in well and WOC.

18. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.

Current Schematic

ConocoPhillips

Well Name: STATE GAS COM A #1

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004510062	036-031N-12W-N	DK		NEW MEXICO	Edit

Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
5,910.00	5,924.00	14.00	14.00	14.00

Well Config: - Original Hole, 7/11/2013 1:10:25 PM

ftKB (MD)	ftKB (TVD)	Schematic - Actual	Frm Final
14		Surface Casing Cement, 14-310, 1/1/1965, Cmt'd w/ 175 sxs regular cmt. Cmt circulated.	
309	309	Surface, 8 5/8in, 14 ftKB, 310 ftKB	
310	310		
315	315		
659	659		OJO ALAMO, 659
711	711		KIRTLAND, 711
1,694	1,694		FRUITLAND, 1,694
2,320	2,320		PICTURED CLIFFS, 2,320
2,500	2,500		LEWIS, 2,500
2,508	2,508	Production Casing Cement, 14-2,509, 1/16/1965, Stage 3: Cmt'd w/ 550 sxs 50-50 pozmix and Class C plus 150 more sxs of 50/50 pozmix and Class C. Circ'd 4 bbl cmt.	
2,509	2,509	DV Tool @ 2509	
3,051	3,051	Tubing, 2 3/8in, J-55, 14 ftKB, 6,140 ftKB	HUERFANITO BENTONITE, 3,051
3,391	3,391		CHACRA, 3,391
3,876	3,876		MESA VERDE, 3,876
3,890	3,890		
4,019	4,019		CLIFF HOUSE, 4,019
4,070	4,069		MENEFEE, 4,070
4,607	4,606		POINT LOOKOUT, 4,607
4,850	4,849		MANCOS, 4,850
4,955	4,954	Production Casing Cement, 3,890-4,956, 1/16/1965, Stage 2: Cmt'd w/ 250 sxs 50/50 pozmix and Class C. TOC @ 3890' per CBL on 2/21/1965.	
4,956	4,955	DV Tool @ 4956	
5,750	5,749		
5,900	5,899		GALLUP, 5,900
6,140	6,139	Halliburton R-4 Packer, 4 1/2in, 6,140 ftKB, 6,144 ftKB	
6,144	6,143	Tubing, 2 3/8in, J-55, 6,144 ftKB, 6,805 ftKB	
6,647	6,646		GREENHORN, 6,647
6,702	6,701		GRANEROS, 6,702
6,762	6,761	Hydraulic Fracture, 2/23/1965, Frac'd w/ 10,000# 40-60 sand and 10,000# of 20-40 sand and 29,000 gal of water.	DAKOTA, 6,762
6,766	6,765		PERF - DAKOTA, 6,766-6,776, 2/23/1965
6,776	6,775		
6,805	6,804	Seating Nipple, 2 3/8in, 6,805 ftKB, 6,806 ftKB	
6,806	6,805	Tubing, 2 3/8in, J-55, 6,806 ftKB, 6,836 ftKB	
6,830	6,829	Production Casing Cement, 5,750-6,840, 1/16/1965, TOC @ 5750' per CBL on 2/21/1965. Bottom 85' not cmt'd. Perf and squeeze cmt.	
6,836	6,835	Hydraulic Fracture, 2/23/1965, Frac'd w/ 50,000# 20-40 sand and 56,600 gal water.	
6,840	6,839		PERF - DAKOTA, 6,830-6,850, 2/23/1965
6,848	6,847		SQUEEZE PERFS, 6,848-6,849, 2/22/1965
6,849	6,848		Display Cement Fill, 6,916-6,925, 1/16/1965
6,850	6,849		Cement Squeeze, 6,840-6,925, 2/22/1965, CBL showed no cement btm 85'. Shoot sqz holes @ 6848-49 (4 holes), sqz w/ 50 sxs.
6,899	6,898		
6,900	6,899		Production1, 4 1/2in, 14 ftKB, Both 11.6# and 10.5# joints of casing were used on this string. Well file not specific on which depth intervals were 10.5# and 11.6#. Use 10.5#, 4.052" ID for all cement calculations., 6,925 ftKB
6,916	6,915	PBTD, 6,916	
6,919	6,918	C.I.B.P., 6,916-6,919	
6,924	6,923		
6,925	6,924	TD, 6,925, 1/13/1965	

Proposed Schematic

ConocoPhillips

Well Name: STATE GAS COM A #1

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004510062	036-031N-12W-N	DK		NEW MEXICO	Edit

Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
5,910.00	5,924.00	14.00	14.00	14.00

Well Config: - Original Hole, 1/1/2020 7:00:00 AM

ftKB (MD)	Schematic - Actual	Frm Final
14		
309	Surface, 8 5/8in, 14 ftKB, 310 ftKB	
310		
315		
360		
609		
659		OJO ALAMO, 659
711		KIRTLAND, 711
761		
1,644		
1,694		FRUITLAND, 1,694
1,744		
2,270		
2,320		PICTURED CLIFFS, 2,320
2,370		
2,500		LEWIS, 2,500
2,508		
2,509	DV Tool @ 2509	
3,051		HUERFANITO BENTONITE, 3,051
3,391		CHACRA, 3,391
3,826		
3,876		MESA VERDE, 3,876
3,890	SQUEEZE PERFS, 3,890, 1/1/2020	
3,926		
4,019		CLIFF HOUSE, 4,019
4,070		MENEFEE, 4,070
4,607		POINT LOOKOUT, 4,607
4,800		
4,850		MANCOS, 4,850
4,900		
4,955		
4,956	DV Tool @ 4956	
5,750		
5,850		
5,900		GALLUP, 5,900
5,950		
6,616		
6,647		GREENHORN, 6,647
6,702		GRANEROS, 6,702
6,716	Cement Retainer, 6,716-6,717	
6,717	PERF - DAKOTA, 6,766-6,776, 2/23/1965	
6,762		DAKOTA, 6,762
6,766	PERF - DAKOTA, 6,830-6,850, 2/23/1965	
6,776		
6,830	SQUEEZE PERFS, 6,848-6,849, 2/22/1965	
6,840	PBTD, 6,916	
6,848	Production1, 4 1/2in, 14 ftKB, Both 11.6# and 10.5# joints of casing were used on this string. Well file not specific on which depth intervals were 10.5# and 11.6#. Use 10.5#, 4.052" ID for all cement calculations., 6,925 ftKB	
6,849		
6,850		
6,899		
6,900		
6,916		
6,924		
6,925	TD, 6,925, 1/13/1965	

Surface Casing Cement, 14-310, 1/1/1965, Cmt'd w/ 175 sxs regular cmt. Cmt circulated.

Plug #8, 14-360, 1/1/2020, Mix 32 sx Class B cement and spot a balanced plug inside the casing to isolate the surface casing shoe.

Plug #7, 609-761, 1/1/2020, Mix 16 sx Class B cement and spot a balanced plug inside the casing to cement the Kirtland and Ojo Alamo formation tops.

Plug #6, 1,644-1,744, 1/1/2020, Mix 12 sx Class B cement and spot a balanced plug inside the casing to isolate the Fruitland Coal formation top.

Plug #5, 2,270-2,370, 1/1/2020, Mix 12 sx Class B cement and spot a balanced plug inside the casing to isolate the Pictured Cliffs formation top.

Production Casing Cement, 14-2,509, 1/16/1965, Stage 3: Cmt'd w/ 550 sxs 50-50 pozmix and Class C plus 150 more sxs of 50/50 pozmix and Class C. Circ'd 4 bbl cmt.

Plug #4, 3,826-3,890, 1/1/2020, Mix 36 sx Class B cement. Squeeze 24 sx into the squeeze holes and leave 12 sx inside the casing to isolate the Mesa Verde formation top.

Plug #4, 3,826-3,926, 1/1/2020

Plug #3, 4,600-4,900, 1/1/2020, Mix 12 sx Class B cement and spot a balanced plug inside the casing to isolate the Mancos formation top.

Production Casing Cement, 3,890-4,956, 1/16/1965, Stage 2: Cmt'd w/ 250 sxs 50/50 pozmix and Class C. TOC @ 3890' per CBL on 2/21/1965.

Plug #2, 5,850-5,950, 1/1/2020, Mix 12 sx Class B cement and spot a balanced plug inside the casing to isolate the Gallup formation top.

Plug #1, 6,616-6,716, 1/1/2020, Mix 12 sx Class B cement and spot a balanced plug inside the casing to isolate the Dakota perforations, the Dakota and Graneros formation tops.

Production Casing Cement, 5,750-6,840, 1/16/1965, TOC @ 5750' per CBL on 2/21/1965. Bottom 85' not cmt'd. Perf and squeeze cmt.

Display Cement Fill, 6,916-6,925, 1/16/1965

Cement Squeeze, 6,840-6,925, 2/22/1965, CBL showed no cement btm 85'. Shoot sqz holes @ 6848-49 (4 holes), sqz w/ 50 sxs.

ConocoPhillips Company
Closed-loop Plans

Closed–loop Design Plan

COPC's closed loop system will not entail a drying pad, temporary pit, below grade tank or sump. It will include an above ground tank suitable for holding the cuttings and fluids for rig operations. The tank will be sufficient volume to maintain a safe free board between disposal of the liquids and solids from rig operations.

1. Fencing is not required for an above ground closed-loop system
2. It will be signed in compliance with 19.15.3.103 NMAC
3. A frac tank will be on location to store fresh water

Closed-loop Operating and Maintenance Plan

COPC's closed-loop tank will be operated and maintained to contain liquids and solids in order to prevent contamination of fresh water sources, in order to protect public health and the environment. To ensure the operation is maintained the following steps will be followed:

1. The liquids will be vacuumed out and disposed of at the Basin Disposal facility (Permit # NM-01-005) or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B). Solids in the closed-loop tank will be vacuumed out and disposed of at Envirotech (Permit # NM-01-0011) or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B) on a periodic basis to prevent over topping.
2. No hazardous waste, miscellaneous solid waste or debris will be discharged into or stored in the tank. Only fluids or cutting used or generated by rig operations will be placed or stored in the tank.
3. The division district office will be notified within 48 hours of the discovery of compromised integrity of the closed-loop tank. Upon the discovery of the compromised tank, repairs will be enacted immediately

Closed-loop Closure Plan

The closed-loop tank will be closed in accordance with 19.15.17.13. This will be done by transporting cuttings and all remaining sludges to Envirotech (Permit # NM-01-0011) or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B) immediately following rig operations. All remaining liquids will be transported and disposed of in the Basin Disposal facility (Permit # NM-01-005) or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B). The tanks will be removed from the location as part of the rig move. At time of well abandonment, the site will be reclaimed and re-vegetated to pre-existing conditions when possible.