

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

ROU JAN 29 '07  
BLM CONG. DIV.

DIST. 8

Sundry Notices and Reports on Wells

1. **Type of Well**  
GAS

2007 JAN 24 PM 2:46

RECEIVED

210 FARMINGTON NM

5. **Lease Number**  
SF-078215-B  
6. **If Indian, All. or  
Tribe Name**

7. **Unit Agreement Name**

2. **Name of Operator**

**ConocoPhillips**

'ANY LP

3. **Address & Phone No. of Operator**

PO Box 4289, Farmington, NM 87499 (505) 326-9700

8. **Well Name & Number**

Primo #1A

9. **API Well No.**

30-045-21827

10. **Field and Pool**

4. **Location of Well, Footage, Sec., T, R, M**  
Sec., T—N, R—W, NMPM

Unit D (NWNW), 1190' FNL & 1190' FWL, Sec. 6, T31N, R10W NMPM

Animas CH/Blanco MV/Blanco PC  
11. **County and State**  
San Juan, NM

**12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

**Type of Submission:**

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

**Type of Action:**

☐ Abandonment

☐ Recompletion

☐ Plugging

☐ Casing Repair

☐ Altering Casing

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-off

☐ Conversion to Injection

☒ Other : Commingle

**13. Describe Proposed or Completed Operations**

ConocoPhillips intends to commingle the referenced well as shown on the attached procedure.  
A Down Hole Commingle application has been submitted to the OCD in Santa Fe

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

DHC 2165AZ

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

Signed

Philana Thompson

Title Regulatory Technician Date 1/24/2007

(This space for Federal or State Office use)

APPROVED BY

Title

Date

CONDITION OF APPROVAL, if any:

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

NMOC



***'Our work is never so urgent or important that we cannot  
take time to do it safely.'***

## **San Juan Workover Procedure Primo #1A**

<b>Prepared By:</b>	<u>Mike Megorden</u>	<b>Date:</b> <u>09/05/06</u>
<b>Eng Peer review/approved By:</b>	<u>Jessie Fontenot</u>	<b>Date:</b> _____
<b>Project Lead peer reviewed By:</b>	<u>Kelly Kolb</u>	<b>Date:</b> <u>09/11/06</u>

**Objective:** Test casing integrity and repair as necessary; DHC MV/CH/PC and install plunger lift.

Daily communication w/ Engineer required during this operation, as project scope may change.

**Summary/Justification:** The Primo #1A was completed in 1976 as a triple completion producing MV, CH, and PC. In 1999, the well was dual completed with the longstring producing MV/CH and the shortstring producing PC. A plunger lift system was subsequently installed on the PC. MV/CH is currently liquid loaded, as it declined severely upon reaching unloading rate. PC production is also off decline, but it is not apparent if it is due to a casing leak or poor plunger operation. The MV/CH is currently off 160 mcf/d and the PC is off 110 mcf/d. The DHC is justified on the uplift on the MV/CH alone, but the cause for the PC's decline will also be investigated. The cost for the project is estimated at \$72,501 and will pay out in 4 months with 125 mcf/d uplift with \$5/mcf gas.

**Note:** there is a fish (2-1/16" tubing jt.) plugging the bottom of the MV zone (PLO). It is unknown if there is communication through the fish, but fishing operations will not be attempted. Total production from all MV zones is only estimated to be 45 mcf/d, an unknown amount of which comes from the PLO.

A pit will not be required.

**Rig Days:** 6

**In Restricted Area Y/N**



### **WELL DATA**

**API #:** 30-045-21827

**Location:** 31N-10W-06-D

**Lat:** 36.93131° N

**Elevation:** 5943' GLM

**TD:** 5114'

**Perforations:**

1190' FNL 1190' FWL

**Long:** 107.92776° W

5956' KBM

**PBTD:** 4559'

Pictured Cliffs: 2711-2723'

Chacra: 3444-3739'; 3929-3990'

Mesa Verde: 4208-4456'; 4490-4551'; 4924-5020'

### Existing Casing, Tubing and Packer Information

	OD (in)	Depth (ft)	Joints	ID/Drift (inches)	Weight (#/ft)	Grade	Capacity (bbls/ft)	Burst (psi)	Collapse (psi)	Cmt top
Surface	10-3/4	165	4	10.192/10.036	32.75	H-40	0.1009	1700	790	surf
Intermediate	7	61	2	6.456/6.331	20	K-55	0.0404	3500	2140	1550' by TS
		196	4	6.366/6.241	23	K-55	0.0394	4080	3080	
		239	1	6.366/6.241	23	N-80	0.0394	5570	2620	
		1265	26	6.276/6.151	26	K-55	0.0383	4660	4080	
		3016	44	6.184/6.059	29	N-80	0.0372	7170	6630	
Production Liner	4 1/2	2801- 4631	46	4.052/3.927	10.5	CW-55	0.0159	4490	3780	2801' by circ
Production Liner	2-7/8	<del>2801-4650</del> 5109	17	2.441/2.347	6.5	J-55	0.00579	5930	6670	<del>2801-4650</del> -by circ
Tubing (Long string)	2-3/8	4528	143	1.995/1.901	4.7	J-55	0.00387	6290	7040	-
Baker A2 Lok-set packer set at 2902' under 92 joints of tubing										
Tubing (Short string)	2 3/8	2714	84	1.995/1.901	4.7	J-55	0.00387	6290	7040	-
8' pup joint and SN on bottom; all collars are turn down collars										

**Artificial lift on well:** Plunger Lift on short string

## **PROCEDURE:**

**All plunger lift equipment will be removed from the tubing before the scheduled rig arrival. If plunger lift equipment cannot be removed a wireline slip stop will be set above equipment to make sure that it cannot come to surface while working tubing string.**

1. Notify operator (Gary Vaughn Cell # 505-947-5266) of plans to move on the well.
2. Test anchors if needed prior to moving on location. Last known date of rig work: -October 1999.
3. Ensure that well is shut in, energy isolated, locked and tagged out; cathodic protection disconnected. Record SI tbgr; SI csg; Bradenhead pressures.
4. Hold pre-job Safety Meeting.
5. MIRU WO rig.

### **Remove existing tubing strings**

6. If necessary, kill well w/ 2% KCL water (contingent on Category designation of well; refer to COPC well control manual). ND wellhead and NU BOPE. (refer to COPC well control manual, Sec 6.13). This well is a class 1, category 2 well.
7. Unseat short string tubing hanger and POOH w/ 2-3/8". Inspect tubing for any scale deposits or signs of corrosion and LD short string.
8. PU on long string. This string has a Baker A2 Lok-set packer at 2902'. Make sure a Baker hand is on site to assist with packer release. To release: apply an upstrain of 3,000 – 6,000 lbs and rotate the tubing to the right from eight to ten turns at the tool, until the tool moves up the hole. Continue to rotate to the right several times while moving up the hole to be certain that the slips are fully retracted.
9. If packer cannot be released, determine free point, cut-off tubing, and commence milling and fishing operations.
10. POOH with tubing. Inspect and replace any bad joints or obstructed tubing.

### **Inspect 7" casing**

11. RIH w/ 7" 29# wireline-set, tubing-retrievable RBP to 2650', one joint (or 10' pup) of 2-3/8" tubing, and Baker Model C retrievable packer. Set RBP, pick up one joint.
12. Fill 7" casing with treated 2% KCl water. Calculated volume is +/- 100 bbls. Set packer and test RBP to 500 psi for 10 minutes.
13. Upon successful test of the RBP, test 7" casing integrity by pressuring up to 500 psi for 10 minutes. If the casing leaks, isolate area of the leak with packer and contact engineer to discuss repair options. Otherwise, RU air package, RIH w/ 2-3/8" tubing and retrieving tool. Blow water out of hole while running in. Retrieve RBP, POOH, and LD.

### **RIH w/ production tubing**

14. RIH w/ muleshoe collar, 0.8" x 2-3/8" expendable check, 1.78" SN, 56 joints of 2-3/8" tubing with slim-hole collars, and 89 joints of 2-3/8" tubing with normal collars. Drift tubing slowly with a 1.901"x24" diameter drift bar, replicating a plunger run, according to attached tubing drift procedure. This well is to be operated with plunger lift and it is imperative to have good tubing drift.
15. Tag PBTD (top of 2-1/16" fish: 4559'). Rig up air unit and clean out fill to PBTD, if possible. Circulate any fluids out of wellbore with air unit.
16. Pick up tubing and land at +/- 4490'.
17. ND BOPE and NUWH. Drop ball and blow out expendable check.
18. RDMO rig.
19. Turn well over to production. Notify Gary Vaughn, MSO. Cell # 505-947-5266.
20. Notify cathodic protection personnel after job is complete so cathodic protection equipment can be re-activated. Ensure pit closures done.

**Engineer: Mike Megorden -**

**Office 505-324-5142  
Cell 719-650-6726**

### **Attachments:**

Well Direction/emergency Sheet  
Wellview schematic  
Wellview group listing  
Tubing drift check procedure for Plgr wells  
Phone Contact list  
(refer to cost breakout in DSM)

# CURRENT SCHEMATIC

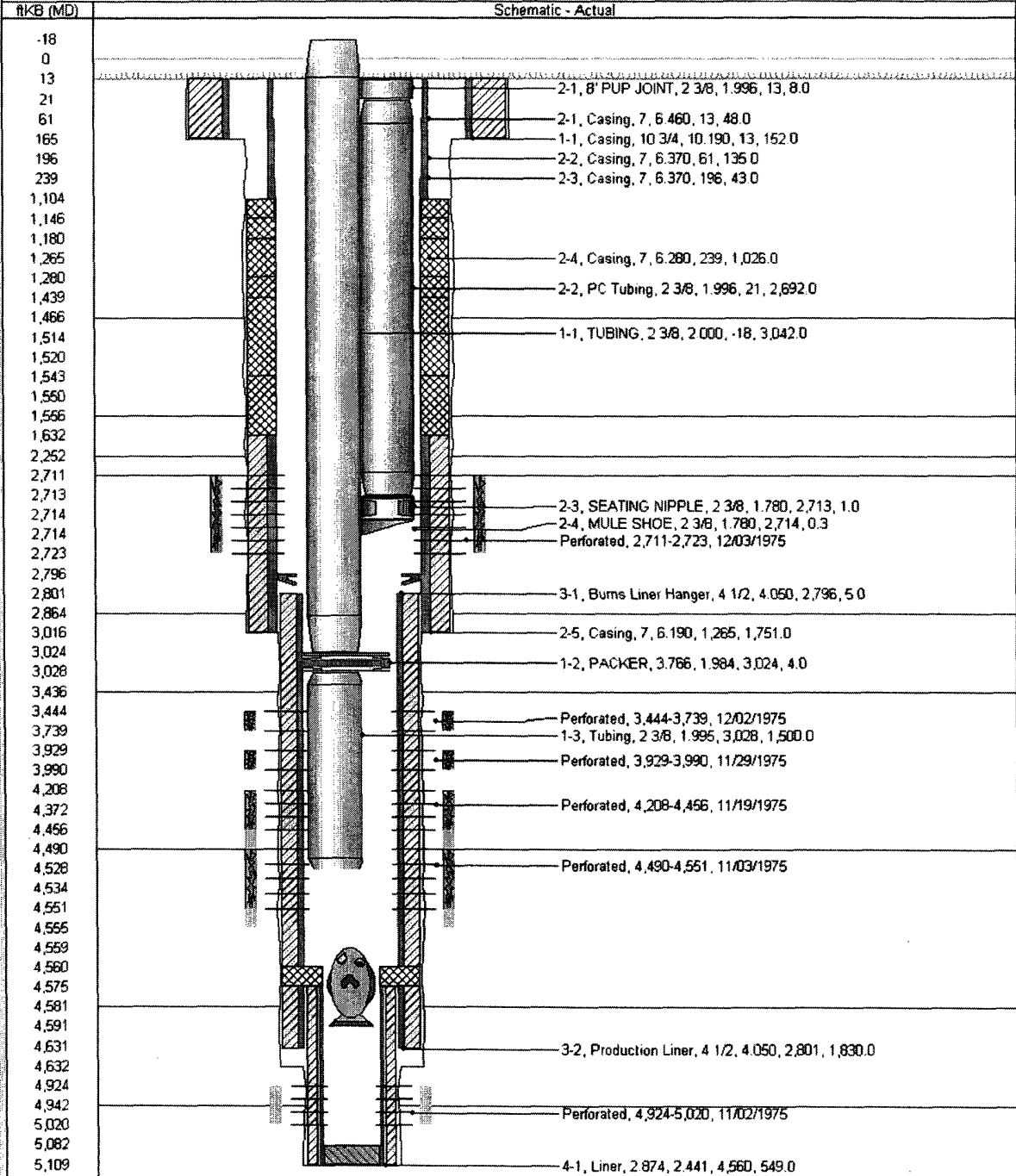
ConocoPhillips

PRIMO 1A

District	Field Name	API / UWI	County	State/Province	Edit
SAN JUAN	PC/MV DUAL	300452182700	San Juan	NEW MEXICO	
Spud Date	Surface Legal Location	EW Dist (ft)	EW Ref	NS Dist (ft)	NS Ref
09/04/1975	NMPM-31N-10W-06-D	1,190.00	W	1,190.00	N

Well Config: Vertical - Main Hole, 09/06/2006 9:42:06 AM

Schematic - Actual



Complete Well Summary WO Schem

PRIMO 1A

API / UWI 300452182700		Operator CONOCOPHILLIPS		County San Juan		State/Province NEW MEXICO		[Edit]									
Original KB Elevation (ft) 5,956.00		KB-Ground Distance (ft) 13.00		Spud Date 09/04/1975		Rig Release Date											
East/West Reference W		East/West Distance (ft) 1,190.00		North/South Reference N		North/South Distance (ft) 1,190.00											
Surface Legal Location NMPM-31N-10W-06-D				Latitude (DMS) 36° 55' 52.932" N		Longitude (DMS) 107° 55' 40.8" W											
Main Hole [Edit]																	
Wellbore API/UWI		Bottom Hole Legal Location		Profile Type		Kick Off Depth (ftKB)		VS Dir (°)									
Proposed Deviation Survey				Deviation Survey Main Hole													
Size (in)		Act Top (ftKB)		Act Btm (ftKB)		[Edit]											
13 3/4		13.0		165.0		165.0											
8 3/4		165.0		3,016.0		3,016.0											
6		3,016.0		4,632.0		4,632.0											
3 7/8		4,632.0		5,109.0		5,109.0											
PBDs [Edit]																	
Date		Depth (ftKB)		Method		Comment											
Formations [Edit]																	
Formation Name		Geologic Age		Element Type		H2S (ppm)		Final Top MD (ftKB)		Final Top TVD (ftKB)							
Pictured Cliffs								2,711.0									
Point Lookout								4,942.0									
Ojo Alamo								1,466.0									
Cliff House								4,490.0									
Chacra								3,436.0									
Menefee								4,581.0									
Fruitland								2,252.0									
Kirtland								1,556.0									
Lewis								2,864.0									
Deviation Surveys [Edit]																	
Date		Description		Prop?		Definitive?											
		Main Hole		No		No											
Reservoirs [Edit]																	
Reservoir Name		Depth Top (ftKB)		Depth Btm (ftKB)		Depth Res Datum (ft (SS))											
Surface Casing, 165.0ftKB [Edit]																	
Run Date 09/05/1975		Centralizers		Scratchers		Drift Min (in)											
OD (in)		Item Description		Btm (ftKB)		Jts		ID (in)		WT (lbs)		Grade		Top Thread		[Edit]	
10 3/4		Casing		165.0		6		10.190		6.0							
Intermediate Casing, 3,016.0ftKB [Edit]																	
Run Date 09/10/1975		Centralizers		Scratchers		Drift Min (in)											
OD (in)		Item Description		Btm (ftKB)		Jts		ID (in)		WT (lbs)		Grade		Top Thread		[Edit]	
7		Casing		61.0		2		6.460		1.0		K-55					
7		Casing		196.0		4		6.370		3.1		K-55					
7		Casing		239.0		1		6.370		1.0		N-80					
7		Casing		1,265.0		26		6.280		26.7		K-55					
7		Casing		3,016.0		44		6.190		50.9		N-80					
Production Liner, 4,631.0ftKB [Edit]																	
Run Date 09/23/1975		Centralizers		Scratchers		Drift Min (in)											
OD (in)		Item Description		Btm (ftKB)		Jts		ID (in)		WT (lbs)		Grade		Top Thread		[Edit]	
4 1/2		Burns Liner Hanger		2,801.0				4.050		0.1		CW-55					
4 1/2		Production Liner		4,631.0		46		4.050		19.2		CW-55					
Liner, 5,109.0ftKB [Edit]																	
Run Date 09/28/1975		Centralizers		Scratchers		Drift Min (in)											
OD (in)		Item Description		Btm (ftKB)		Jts		ID (in)		WT (lbs)		Grade		Top Thread		[Edit]	
2 7/8		Liner		5,109.0		17		2.441		3.6							
SURFACE CASING CEMENT, casing, 09/05/1975 00:00 [Edit]																	
Cementing Company		Evaluation Method		Cement Evaluation Results													
Stage Number 1		Description		Top (ftKB) 13.0		Bottom (ftKB) 165.0		Full Return? No		[Edit]							

## **TUBING DRIFT CHECK**

### **Procedure**

1. Set flow control in tubing. With air, on location, use expendable check. With no air on location, use wireline plug.
2. RU drift tool to a minimum 70' line. Drift tool will have an OD of at least the API drift specification of the tubing. (i.e. – 2-3/8", EUE, 4.7# tbg drift = 1/901"), and will be at least 15" long. The tool will not weigh more than 10# and will have an ID bore the length of the tool, so fluids may be pumped through the tool if it becomes stuck.
3. Drop the tool into the tubing string and retrieve it after every 2 joints of tubing ran in hole. If any resistance to the tool movement is noticed, going in or out, that joint will be replaced.
4. In order to simulate the plunger lift operation, all equipment must be kept clean and free of debris.

The drift tool should be measured with calipers before each job, to ensure the OD is the correct size for the tubing being checked. The maximum allowable wear of the tool is .003"



# ConocoPhillips

## San Juan Workover Procedure

### CONTACT LIST

Name	Title	Work	Home	Cell
Mike Megorden	Production Eng (North Conv)	505-324-5142		719-650-6726
Jessie Fontenot	Production Eng (South Conv)	832-486-3483		
Chris Isenberger	Production Eng (Central Conv)	832 486 2335		281-639-0591
Pat Bergman	Production Eng (Coal)	832-486-2358		281-346-1487
Gary Limb	Production Eng (Coal)	832-486-2427		832-309-2644
Ben Landry	Production Eng (Field-Conv)	505-599-3423		
Eric Fransen	Project Supervisor	599-3450	334-0812	320-3550
Mark Goodrich	Materials	599-3431	326-1944	599-7471(p)
Harry Dee	Construction/Maintenance	599-3412	325-8432	320-3429
Larry Brooks	Cathodic Protection	599-3453	334-8054	320-2086
Tom Lentz	Op Supv (Central)	599-3452	325-3119	320-4636
Jerry Loudermilk	Op Supv (North)	599-3445	326-4064	320-0452
Terry Bowker	Op Supv (South)	599-3448	334-1035	320-2600

### OTHER NON-COPC NUMBERS

Company	Contact	Phone	Cell
Key Energy	Larry Lewis	327-4935	
A-Plus Well Service	Bill Clark	325-2627	320-4174
Blue Jet	Danny Seip	325-5584	
Key (water hauling)	H.C. Putnam	327-0416	486-2100
Synergy	Glen Papp	327-8798	330-1582
Oil Conservation Division		334-6178	
BLM		599-6316	

## **BLM CONDITIONS OF APPROVAL**

### ***WORKOVER AND RECOMPLETION OPERATIONS:***

- 1. If casing repair operations are needed, obtain prior approval from this office before commencing repairs.**
- 2. A properly functioning BOP and related equipment must be installed prior to commencing worker and/or recompletion operations.**

### ***SURFACE USE OPERATIONS:***

The following Stipulations will apply to this well unless a particular Surface Managing Agency or private surface owner has supplied to BLM and operator a contradictory environmental stipulation. The failure of operator to comply with these requirements may result in assessments or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on location during construction, drilling and reclamation activity.

An agreement between operator and fee landowner will take precedence over BLM surface stipulations unless (in reference to 43 CFR Part 3160) 1) BLM determines that operator's actions will affect adjacent Federal or Indian surface, or 2) operator does not maintain well area and lease premises in a workmanlike manner with due regard for safety, conservation and appearance, or 3) no such agreement exists, or 4) in the event of well abandonment, minimal Federal restoration requirements will be required.

***STANDARD STIPULATIONS:*** All surface areas disturbed during work-over activities and not in use for production activities will be reseeded. This should occur in the first 90 days after completion of work-over activities.

### ***SPECIAL STIPULATIONS:***

- 1. Pits will be fenced during work-over operation.**
- 2. All disturbance will be kept on existing pad.**
- 3. All pits will be pulled and closed immediately upon completion of the work-over activities.**
- 4. Pits will be lined with an impervious material at least 12 mils thick.**