

State of New Mexico  
Energy, Minerals and Natural Resources Department

Susana Martinez  
Governor

David Martin  
Cabinet Secretary-Designate

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

Jami Bailey, Division Director  
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-3 APD form.

Operator Signature Date: 6-6-14

Well information:

Operator Bullington, Well Name and Number San Juan 28-6 Unit #120P

API# 30039-31243 Section 9, Township 28 N/S, Range 6 E/W

Conditions of Approval:

(See the below checked and handwritten conditions)

Notify Aztec OCD 24hrs prior to casing & cement.

Hold C-104 for directional survey & "As Drilled" Plat

Hold C-104 for NSL, NSP, DHC

Spacing rule violation. Operator must follow up with change of status notification on other well to be shut in or abandoned

Regarding the use of a pit, closed loop system or below grade tank, the operator must comply with the following as applicable:

- A pit requires a complete C-144 be submitted and approved prior to the construction or use of the pit, pursuant to 19.15.17.8.A
- A closed loop system requires notification prior to use, pursuant to 19.15.17.9.A
- A below grade tank requires a registration be filed prior to the construction or use of the below grade tank, pursuant to 19.15.17.8.C

Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string

Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.

Charles Heron  
NMOCD Approved by Signature

6-26-2014  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

**RECEIVED**

JUN 06 2014

Bureau of Land Management  
Farmington Field Office

5. Lease Number  
SF-080505-A  
Unit Reporting Number  
NMNM-78412A-MV NMNM-78412C-DK  
6. If Indian, All. or Tribe

1a. Type of Work  
DRILL

1b. Type of Well  
GAS

2. Operator  
**BURLINGTON**  
RESOURCES Oil & Gas Company, LP

7. Unit Agreement Name  
SAN JUAN 28-6 UNIT

3. Address & Phone No. of Operator  
PO Box 4289, Farmington, NM 87499  
  
(505) 326-9700

Farm or Lease Name  
SAN JUAN 28-6 UNIT  
9. Well Number  
120P

4. Location of Well  
Surface: Unit P(SE/SE), 287' FSL & 158' FEL  
BHL : Unit L(NW/SW), 1493' FSL & 165' FWL  
  
Surface: Latitude: 36.669310° N (NAD83)  
Longitude: 107.464068° W  
BHL : Latitude: 36.672622° N (NAD83)  
Longitude: 107.462974° W

10. Field, Pool, Wildcat  
BLANCO MV / BASIN DK  
  
11. Sec., Twm, Rge, Mer. (NMPM)  
Surf: Sec. 9, T28N, R6W  
BHL: Sec. 10, T28N, R6W  
  
API # 30-039-31243

14. Distance in Miles from Nearest Town  
27 MILES FROM BLANCO

12. County  
RIO ARRIBA  
13. State  
NM

15. Distance from Proposed Location to Nearest Property or Lease Line  
158'

16. Acres in Lease  
955.330  
17. Acres Assigned to Well  
(SEE PLAT) 354.79 ACRES - DK 284.40 ACRES - MV

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease  
958' FROM SJ 28-6 UNIT 15 MV/DK

19. Proposed Depth  
8076'  
20. Rotary or Cable Tools  
Rotary

21. Elevations (DF, FT, GR, Etc.)  
6735' GL  
22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program  
See Operations Plan attached

24. Authorized by: Arleen White 6/6/14  
ARLEEN WHITE (Staff Regulatory Tech) Date

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE AFM DATE 6/6/14

Archaeological Report attached A gas recovery unit may or may not be used on this location.

Threatened and Endangered Species Report attached  
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3  
Title 18 U.S.C. Section 1001, makes 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 presentations as to any matter within its jurisdiction.

**Example Master Plan Type 3 Bond Numbers NMB-000015 and NMB-000089**

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

NMOCDA

**BURLINGTON**  
**RESOURCES**  
Operator Certification

Operator Information:

Burlington Resources Oil & Gas, LP  
P.O. Box 4289  
Farmington, NM 87499-4289  
505-326-9700

Certification:

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provision of 18 U.S.C. 1001 for the filing of false statements.

Executed this 6<sup>th</sup> day of June, 2014.

Arleen White

Arleen White  
Staff Regulatory Technician  
On behalf of Heather McDaniel and Doug Elston

The person who can be contacted concerning compliance of the APD is:

Heather McDaniel,  
Regulatory Supervisor  
ConocoPhillips Company  
P.O. Box 4289  
Farmington, NM 87499-4289  
505-326-9507

The Field Representative who can be contacted concerning compliance of the enclosed Surface Use Plan is:

Doug Elston,  
Supt. Capital Projects  
ConocoPhillips Company  
P.O. Box 4289  
Farmington, NM 87499-4289  
505-599-4004

DISTRICT I  
1625 N. French Dr., Hobbs, N.M. 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II  
811 S. First St., Artesia, N.M. 88210  
Phone: (575) 748-1283 Fax: (575) 748-8720

DISTRICT III  
1000 Elia Bracco Rd., Artesia, N.M. 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  
JUN 06 2014

Flemington Field Office  
Bureau of Land Management  
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039-31243	<sup>2</sup> Pool Code 71599 / 72319	<sup>3</sup> Pool Name BASIN DAKOTA/BLANCO MESAVERDE
<sup>4</sup> Property Code 7462	<sup>5</sup> Property Name SAN JUAN 28-6 UNIT	<sup>6</sup> Well Number 120P
<sup>7</sup> GRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	<sup>9</sup> Elevation 6735'

<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	9	28-N	6-W		287	SOUTH	158	EAST	RIO ARRIBA

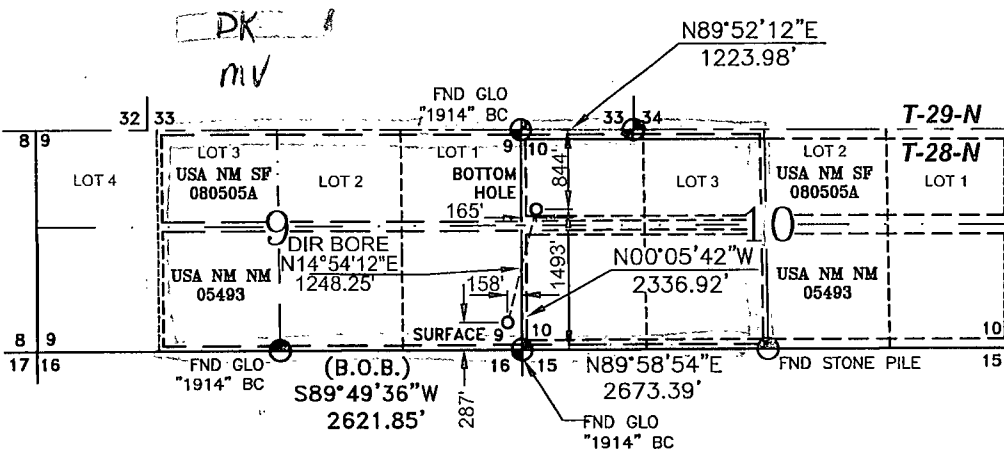
<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	10	28-N	6-W	4	1493	SOUTH	165	WEST	RIO ARRIBA

<sup>12</sup> Dedicated Acres DK 354.79 ACRES LOTS 1,2,3 SE 1/4 SW/4 & S/2 SE/4 OF SEC. 9 & LOTS 3,4 S/2 SW/4 OF SEC 10 MV 284.40 ACRES ALL OF SEC 10	<sup>13</sup> Joint or Infill -283.40 ac	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. R-2948 (DK)
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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

16

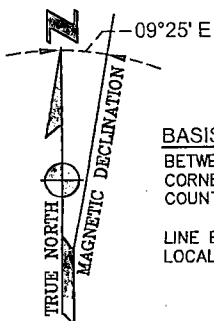


**SURFACE**  
LATITUDE: 36°40.1582' N  
LONGITUDE: 107°27.8079' W  
NAD27

LATITUDE: 36.669310° N  
LONGITUDE: 107.464068° W  
NAD83

**BOTTOM HOLE**  
LATITUDE: 36°40.3569' N  
LONGITUDE: 107°27.7422' W  
NAD27

LATITUDE: 36.672622° N  
LONGITUDE: 107.462974° W  
NAD83



BASIS OF BEARING:

BETWEEN FOUND MONUMENTS AT THE SOUTHEAST CORNER AND THE SOUTH QUARTER CORNER OF SECTION 9, TOWNSHIP 28 NORTH, RANGE 6 WEST, N.M.P.M. RIO ARRIBA COUNTY, NEW MEXICO.

LINE BEARS: S 89°49'36" W A DISTANCE OF 2621.85 FEET AS MEASURED BY G.P.S. LOCAL GRID NAD83.

17 OPERATOR CERTIFICATION

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

*Denise Journey* 4/21/14  
Signature (Date)  
Denise Journey  
Printed Name  
Denise.Journey@conocophillips.com  
E-mail Address

18 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.

APRIL 15, 2014  
Date of Survey  
*Glen W. Russell*  
Signature and Seal of Professional Surveyor  
**GLEN W. RUSSELL**  
LICENSED PROFESSIONAL SURVEYOR  
15703  
Certificate Number 15703

PC

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 120P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.3033		AFE \$:	
Field Name: SAN JUAN		Rig: 2015 2nd Rig Program		State: NM	County: RIO ARRIBA
API #:		Geologist: Phone:		Geophysicist: Phone:	
Geoscientist: Phone:		Prod. Engineer: Phone:		Res. Engineer: Phone:	
Proj. Field Lead: Phone:					

**Primary Objective (Zones):**

Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

**Location: Surface Datum Code: NAD 27 Directional**

Latitude: 36.669302	Longitude: -107.463464	X:	Y:	Section: 09	Range: 006W
Footage X: 158 FEL	Footage Y: 287 FSL	Elevation: 6735	(FT)	Township: 028N	
Tolerance:					

**Location: Bottom Hole Datum Code: NAD 27 Directional**

Latitude: 36.672614	Longitude: -107.462370	X:	Y:	Section: 10	Range: 006W
Footage X: 165 FWL	Footage Y: 1493 FSL	Elevation:	(FT)	Township: 028	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2015	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6750 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6550		<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 112 cuft. Circulate cement to surface.
NACIMIENTO	1372	5378		<input type="checkbox"/>			
OJO ALAMO	2846	3904		<input type="checkbox"/>			
KIRTLAND	2952	3798		<input type="checkbox"/>			
FRUITLAND	3243	3507		<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3618	3132		<input type="checkbox"/>			
LEWIS	3760	2990		<input type="checkbox"/>			
Intermediate Casing	4261	2489	4489	<input type="checkbox"/>	117		8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1012 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4335	2415		<input type="checkbox"/>			
CHACRA	4593	2157		<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	5338	1412		<input type="checkbox"/>	504	149	Gas; Cliffhouse is dry
MENEFFEE	5467	1283		<input type="checkbox"/>			
POINT LOOKOUT	5824	926		<input type="checkbox"/>			
MANCOS	6299	451		<input type="checkbox"/>			
UPPER GALLUP	7019	-269		<input type="checkbox"/>			
GREENHORN	7760	-1010		<input type="checkbox"/>			
GRANEROS	7814	-1064		<input type="checkbox"/>			
TWO WELLS	7862	-1112		<input type="checkbox"/>	2614		Gas
UPPER CUBERO	7942	-1192		<input type="checkbox"/>			
LOWER CUBERO	7990	-1240		<input type="checkbox"/>			

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-6 UNIT 120P

DEVELOPMENT

Total Depth	8076	-1326	8304	<input type="checkbox"/>	205	6-1/4" hole, 4-1/2" 11.6 ppf, N/L-80, LTC/BTC casing. Cement w/ 501 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	8076	-1326		<input type="checkbox"/>		TD - T/ENCN. Est bottom perf 8042' (20' from TD).

Reference Wells:		
Reference Type	Well Name	Comments

Logging Program:	
Intermediate Logs:	<input type="checkbox"/> Log only if show <input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo

TD Logs:	<input type="checkbox"/> Triple Combo <input type="checkbox"/> Dipmeter <input type="checkbox"/> RFT <input type="checkbox"/> Sonic <input type="checkbox"/> VSP <input type="checkbox"/> TDT <input checked="" type="checkbox"/> Other
Mud log from ~100' above the Upper Gallup to TD. Mud loggers will call final TD. Est bottom perf 20' from TD.	

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

# ConocoPhillips SJB

San Juan Basin - New Mexico Central Wells

San Juan 28 Wells

San Juan 28-6 Unit 120P

Wellbore #1

Plan: APD Plan

## Standard Planning Report

12 May, 2014

# ConocoPhillips

## Planning Report

<b>Database:</b>	EDM Central Planning	<b>Local Co-ordinate Reference:</b>	Well San Juan 28-6 Unit 120P
<b>Company:</b>	ConocoPhillips SJB	<b>TVD Reference:</b>	WELL @ 6750.0usft (Original Well Elev)
<b>Project:</b>	San Juan Basin - New Mexico Central Wells	<b>MD Reference:</b>	WELL @ 6750.0usft (Original Well Elev)
<b>Site:</b>	San Juan 28 Wells	<b>North Reference:</b>	True
<b>Well:</b>	San Juan 28-6 Unit 120P	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	APD Plan		

<b>Project</b>	San Juan Basin - New Mexico Central Wells, New Mexico, Directional "S"		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	New Mexico Central 3002		Using geodetic scale factor

<b>Site</b>	San Juan 28 Wells, Township 28				
<b>Site Position:</b>	<b>Northing:</b>	2,045,688.53 usft	<b>Latitude:</b>	36° 36' 58.001 N	
<b>From:</b>	Lat/Long	<b>Easting:</b>	147,261.04 usft	<b>Longitude:</b>	107° 27' 6.935 W
<b>Position Uncertainty:</b>	3.5 usft	<b>Slot Radius:</b>	6-1/8"	<b>Grid Convergence:</b>	-0.72 °

<b>Well</b>	San Juan 28-6 Unit 120P					
<b>Well Position</b>	<b>+N-S</b>	0.0 usft	<b>Northing:</b>	2,065,095.93 usft	<b>Latitude:</b>	36° 40' 9.492 N
	<b>+E-W</b>	0.0 usft	<b>Easting:</b>	144,119.37 usft	<b>Longitude:</b>	107° 27' 48.474 W
<b>Position Uncertainty</b>		2.5 usft	<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	6,735.0 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
	BGGM2013	4/30/2014	(°)	(°)	(nT)
			9.46	63.40	50,375

<b>Design</b>	APD Plan			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N-S</b>	<b>+E-W</b>	<b>Direction</b>
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	14.92

<b>Plan Sections</b>										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	23.00	14.92	1,469.4	220.1	58.6	2.00	2.00	0.00	14.92	
3,721.9	23.00	14.92	3,514.6	1,059.0	282.1	0.00	0.00	0.00	0.00	
4,488.6	0.00	0.00	4,260.9	1,205.7	321.1	3.00	-3.00	0.00	180.00	
8,303.7	0.00	0.00	8,076.0	1,205.7	321.1	0.00	0.00	0.00	0.00	San Juan 28-6 Unit 1;



# ConocoPhillips

## Planning Report

<b>Database:</b>	EDM Central Planning	<b>Local Co-ordinate Reference:</b>	Well San Juan 28-6 Unit 120P
<b>Company:</b>	ConocoPhillips SJBU	<b>TVD Reference:</b>	WELL @ 6750.0usft (Original Well Elev)
<b>Project:</b>	San Juan Basin - New Mexico Central Wells	<b>MD Reference:</b>	WELL @ 6750.0usft (Original Well Elev)
<b>Site:</b>	San Juan 28 Wells	<b>North Reference:</b>	True
<b>Well:</b>	San Juan 28-6 Unit 120P	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	APD Plan		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
<b>Surface-9-5/8"</b>										
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
400.0	1.00	14.92	400.0	0.4	0.1	0.4	2.00	2.00	0.00	0.00
500.0	3.00	14.92	499.9	3.8	1.0	3.9	2.00	2.00	0.00	0.00
600.0	5.00	14.92	599.7	10.5	2.8	10.9	2.00	2.00	0.00	0.00
700.0	7.00	14.92	699.1	20.6	5.5	21.4	2.00	2.00	0.00	0.00
800.0	9.00	14.92	798.2	34.1	9.1	35.3	2.00	2.00	0.00	0.00
900.0	11.00	14.92	896.6	50.9	13.5	52.6	2.00	2.00	0.00	0.00
1,000.0	13.00	14.92	994.4	71.0	18.9	73.4	2.00	2.00	0.00	0.00
1,100.0	15.00	14.92	1,091.5	94.3	25.1	97.6	2.00	2.00	0.00	0.00
1,200.0	17.00	14.92	1,187.6	121.0	32.2	125.2	2.00	2.00	0.00	0.00
1,300.0	19.00	14.92	1,282.7	150.8	40.2	156.1	2.00	2.00	0.00	0.00
1,395.0	20.90	14.92	1,372.0	182.1	48.5	188.5	2.00	2.00	0.00	0.00
<b>NACIMIENTO</b>										
1,400.0	21.00	14.92	1,376.6	183.9	49.0	190.3	2.00	2.00	0.00	0.00
1,500.0	23.00	14.92	1,469.4	220.1	58.6	227.7	2.00	2.00	0.00	0.00
1,600.0	23.00	14.92	1,561.4	257.8	68.7	266.8	0.00	0.00	0.00	0.00
1,700.0	23.00	14.92	1,653.5	295.6	78.7	305.9	0.00	0.00	0.00	0.00
1,800.0	23.00	14.92	1,745.5	333.3	88.8	345.0	0.00	0.00	0.00	0.00
1,900.0	23.00	14.92	1,837.6	371.1	98.8	384.0	0.00	0.00	0.00	0.00
2,000.0	23.00	14.92	1,929.6	408.8	108.9	423.1	0.00	0.00	0.00	0.00
2,100.0	23.00	14.92	2,021.7	446.6	119.0	462.2	0.00	0.00	0.00	0.00
2,200.0	23.00	14.92	2,113.7	484.4	129.0	501.2	0.00	0.00	0.00	0.00
2,300.0	23.00	14.92	2,205.8	522.1	139.1	540.3	0.00	0.00	0.00	0.00
2,400.0	23.00	14.92	2,297.8	559.9	149.1	579.4	0.00	0.00	0.00	0.00
2,500.0	23.00	14.92	2,389.9	597.6	159.2	618.5	0.00	0.00	0.00	0.00
2,600.0	23.00	14.92	2,481.9	635.4	169.2	657.5	0.00	0.00	0.00	0.00
2,700.0	23.00	14.92	2,574.0	673.1	179.3	696.6	0.00	0.00	0.00	0.00
2,800.0	23.00	14.92	2,666.0	710.9	189.4	735.7	0.00	0.00	0.00	0.00
2,900.0	23.00	14.92	2,758.1	748.7	199.4	774.8	0.00	0.00	0.00	0.00
2,995.5	23.00	14.92	2,846.0	784.7	209.0	812.1	0.00	0.00	0.00	0.00
<b>OJO ALAMO</b>										
3,000.0	23.00	14.92	2,850.1	786.4	209.5	813.8	0.00	0.00	0.00	0.00
3,100.0	23.00	14.92	2,942.2	824.2	219.5	852.9	0.00	0.00	0.00	0.00
3,110.7	23.00	14.92	2,952.0	828.2	220.6	857.1	0.00	0.00	0.00	0.00
<b>KIRTLAND</b>										
3,200.0	23.00	14.92	3,034.2	861.9	229.6	892.0	0.00	0.00	0.00	0.00
3,300.0	23.00	14.92	3,126.3	899.7	239.6	931.1	0.00	0.00	0.00	0.00
3,400.0	23.00	14.92	3,218.3	937.4	249.7	970.1	0.00	0.00	0.00	0.00
3,426.8	23.00	14.92	3,243.0	947.6	252.4	980.6	0.00	0.00	0.00	0.00
<b>FRUITLAND</b>										
3,500.0	23.00	14.92	3,310.4	975.2	259.8	1,009.2	0.00	0.00	0.00	0.00
3,600.0	23.00	14.92	3,402.4	1,013.0	269.8	1,048.3	0.00	0.00	0.00	0.00
3,700.0	23.00	14.92	3,494.5	1,050.7	279.9	1,087.3	0.00	0.00	0.00	0.00
3,721.9	23.00	14.92	3,514.6	1,059.0	282.1	1,095.9	0.00	0.00	0.00	0.00
3,800.0	20.66	14.92	3,587.1	1,087.0	289.5	1,124.9	3.00	-3.00	0.00	0.00
3,832.9	19.67	14.92	3,618.0	1,098.0	292.5	1,136.3	3.00	-3.00	0.00	0.00
<b>PICTURED CLIFFS</b>										
3,900.0	17.66	14.92	3,681.6	1,118.7	298.0	1,157.8	3.00	-3.00	0.00	0.00

# ConocoPhillips Planning Report

<b>Database:</b>	EDM Central Planning	<b>Local Co-ordinate Reference:</b>	Well San Juan 28-6 Unit 120P
<b>Company:</b>	ConocoPhillips SJB	<b>TVD Reference:</b>	WELL @ 6750.0usft (Original Well Elev)
<b>Project:</b>	San Juan Basin - New Mexico Central Wells	<b>MD Reference:</b>	WELL @ 6750.0usft (Original Well Elev)
<b>Site:</b>	San Juan 28 Wells	<b>North Reference:</b>	True
<b>Well:</b>	San Juan 28-6 Unit 120P	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	APD Plan		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
3,981.8	15.20	14.92	3,760.0	1,141.1	303.9	1,180.9	3.00	-3.00	0.00	
<b>LEWIS</b>										
4,000.0	14.66	14.92	3,777.6	1,145.6	305.2	1,185.6	3.00	-3.00	0.00	
4,100.0	11.66	14.92	3,875.0	1,167.6	311.0	1,208.3	3.00	-3.00	0.00	
4,200.0	8.66	14.92	3,973.4	1,184.7	315.5	1,226.0	3.00	-3.00	0.00	
4,300.0	5.66	14.92	4,072.6	1,196.7	318.8	1,238.4	3.00	-3.00	0.00	
4,400.0	2.66	14.92	4,172.3	1,203.7	320.6	1,245.7	3.00	-3.00	0.00	
4,488.6	0.00	0.00	4,260.9	1,205.7	321.1	1,247.7	3.00	-3.00	0.00	
4,488.7	0.00	0.00	4,261.0	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
<b>Intermediate, 7"</b>										
4,500.0	0.00	0.00	4,272.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
4,562.7	0.00	0.00	4,335.0	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
<b>HUERFANITO BENTONITE</b>										
4,600.0	0.00	0.00	4,372.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,472.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,572.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
4,820.7	0.00	0.00	4,593.0	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
<b>CHACRA</b>										
4,900.0	0.00	0.00	4,672.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
5,000.0	0.00	0.00	4,772.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
5,100.0	0.00	0.00	4,872.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
5,200.0	0.00	0.00	4,972.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
5,300.0	0.00	0.00	5,072.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,172.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,272.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
5,565.7	0.00	0.00	5,338.0	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
<b>MASSIVE CLIFF HOUSE</b>										
5,600.0	0.00	0.00	5,372.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
5,694.7	0.00	0.00	5,467.0	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
<b>MENELEE</b>										
5,700.0	0.00	0.00	5,472.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,572.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,672.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,772.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
6,051.7	0.00	0.00	5,824.0	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
<b>POINT LOOKOUT</b>										
6,100.0	0.00	0.00	5,872.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
6,200.0	0.00	0.00	5,972.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,072.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,172.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,272.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
6,526.7	0.00	0.00	6,299.0	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
<b>MANCOS</b>										
6,600.0	0.00	0.00	6,372.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,472.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,572.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,672.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,772.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
7,100.0	0.00	0.00	6,872.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
7,200.0	0.00	0.00	6,972.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
7,246.7	0.00	0.00	7,019.0	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
<b>UPPER GALLUP</b>										

# ConocoPhillips

## Planning Report

<b>Database:</b>	EDM Central Planning	<b>Local Co-ordinate Reference:</b>	Well San Juan 28-6 Unit 120P
<b>Company:</b>	ConocoPhillips SJB	<b>TVD Reference:</b>	WELL @ 6750.0usft (Original Well Elev)
<b>Project:</b>	San Juan Basin - New Mexico Central Wells	<b>MD Reference:</b>	WELL @ 6750.0usft (Original Well Elev)
<b>Site:</b>	San Juan 28 Wells	<b>North Reference:</b>	True
<b>Well:</b>	San Juan 28-6 Unit 120P	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	APD Plan		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
7,300.0	0.00	0.00	7,072.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,172.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,272.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,372.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,472.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,572.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,672.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
7,987.7	0.00	0.00	7,760.0	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
<b>GREENHORN</b>										
8,000.0	0.00	0.00	7,772.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
8,041.7	0.00	0.00	7,814.0	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
<b>GRANEROS</b>										
8,089.7	0.00	0.00	7,862.0	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
<b>TWO WELLS</b>										
8,100.0	0.00	0.00	7,872.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
8,169.7	0.00	0.00	7,942.0	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
<b>UPPER CUBERO</b>										
8,200.0	0.00	0.00	7,972.3	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
8,217.7	0.00	0.00	7,990.0	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
<b>LOWER CUBERO</b>										
8,303.7	0.00	0.00	8,076.0	1,205.7	321.1	1,247.7	0.00	0.00	0.00	
<b>ENCINAL - Production, 4-1/2"</b>										

Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
San Juan 28-6 Unit 120P - hit/miss target - Shape - plan hits target center - Point	0.00	0.00	8,076.0	1,205.7	321.1	2,066,297.52	144,455.76	36° 40' 21.414 N	107° 27' 44.532 W	

Casing Points						
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")		
200.0	200.0	Surface-9-5/8"	9-5/8	12-1/4		
4,488.7	4,261.0	Intermediate, 7"	7	8-3/4		
8,303.7	8,076.0	Production, 4-1/2"	4-1/2	6-1/4		

# ConocoPhillips

## Planning Report

<b>Database:</b>	EDM Central Planning	<b>Local Co-ordinate Reference:</b>	Well San Juan 28-6 Unit 120P
<b>Company:</b>	ConocoPhillips SJBU	<b>TVD Reference:</b>	WELL @ 6750.0usft (Original Well Elev)
<b>Project:</b>	San Juan Basin - New Mexico Central Wells	<b>MD Reference:</b>	WELL @ 6750.0usft (Original Well Elev)
<b>Site:</b>	San Juan 28 Wells	<b>North Reference:</b>	True
<b>Well:</b>	San Juan 28-6 Unit 120P	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	APD Plan		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
5,565.7	5,338.0	MASSIVE CLIFF HOUSE		0.00		
4,562.7	4,335.0	HUERFANITO BENTONITE		0.00		
7,246.7	7,019.0	UPPER GALLUP		0.00		
3,426.8	3,243.0	FRUITLAND		0.00		
4,820.7	4,593.0	CHACRA		0.00		
2,995.5	2,846.0	OJO ALAMO		0.00		
8,303.7	8,076.0	ENCINAL		0.00		
5,694.7	5,467.0	MENEFEE		0.00		
3,110.7	2,952.0	KIRTLAND		0.00		
6,051.7	5,824.0	POINT LOOKOUT		0.00		
8,089.7	7,862.0	TWO WELLS		0.00		
7,987.7	7,760.0	GREENHORN		0.00		
8,041.7	7,814.0	GRANEROS		0.00		
3,981.8	3,760.0	LEWIS		0.00		
3,832.9	3,618.0	PICTURED CLIFFS		0.00		
8,169.7	7,942.0	UPPER CUBERO		0.00		
8,217.7	7,990.0	LOWER CUBERO		0.00		
6,526.7	6,299.0	MANCOS		0.00		
1,395.0	1,372.0	NACIMIENTO		0.00		

REFERENCE INFORMATION

Project: San Juan Basin - New Mexico

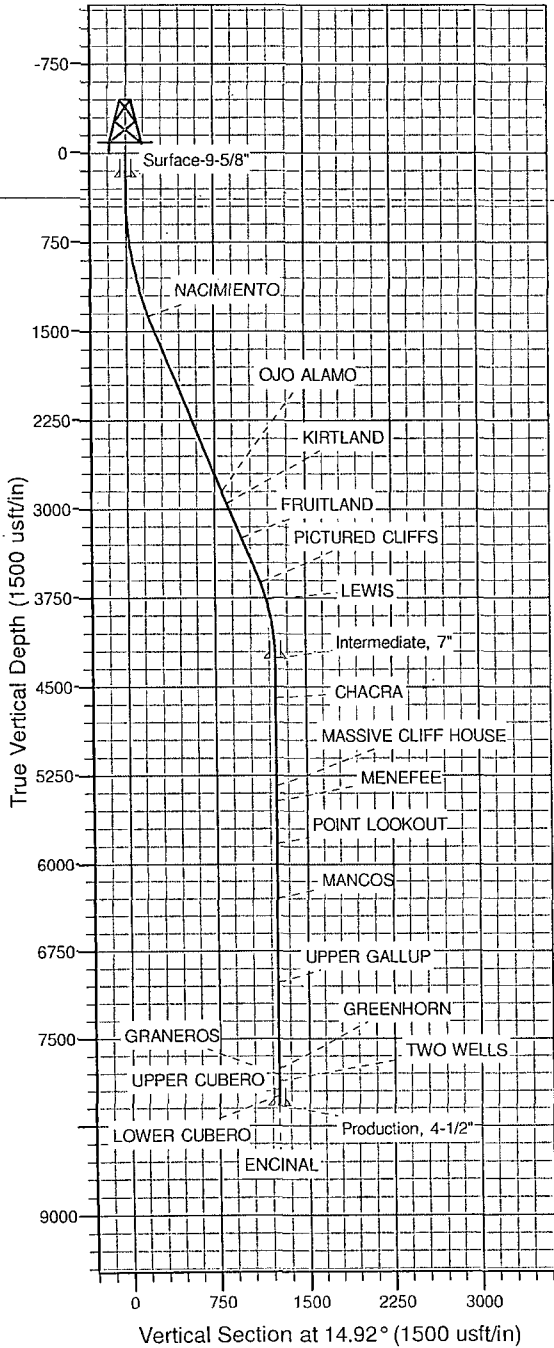


WELL @ 6750.0usft (Original Well Elev)  
 Ground Elevation 6735.0  
 Reference Lat: 36° 40' 9.492 N  
 Reference Long: 107° 27' 48.474 W

Well: San Juan 28-6 Unit 120P

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.0	
3	1500.0	23.00	14.92	1469.4	220.1	58.6	2.00	14.92	227.7	
4	3721.9	23.00	14.92	3514.6	1059.0	282.1	0.00	0.00	1095.9	
5	4488.6	0.00	0.00	4260.9	1205.7	321.1	3.00	180.00	1247.7	
6	8303.7	0.00	0.00	8076.0	1205.7	321.1	0.00	0.00	1247.7	San Juan 28-6 Unit 120P BHL

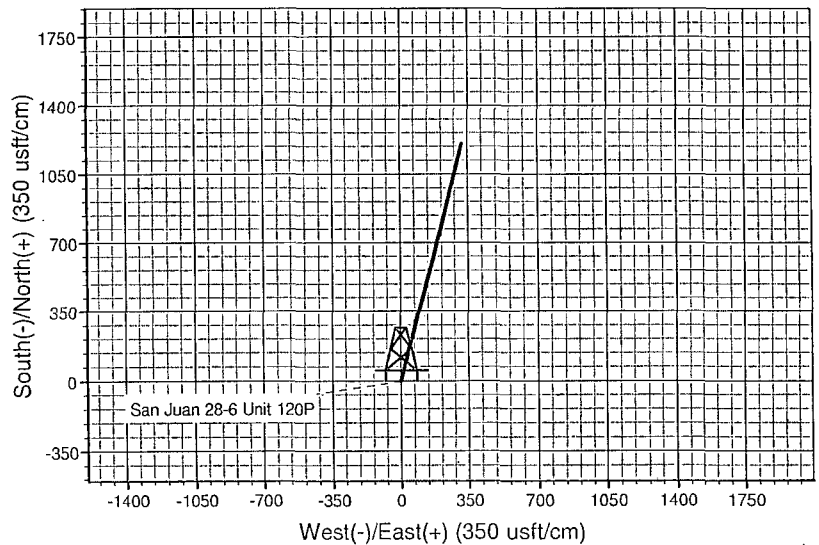
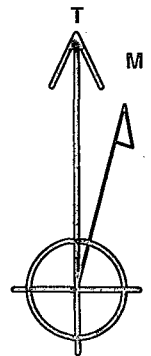


FORMATION TOP DETAILS

TVDPPath	MDPath	Formation
1372.0	1395.0	NACIMIENTO
2846.0	2995.5	OJO ALAMO
2952.0	3110.7	KIRTLAND
3243.0	3426.8	FRUITLAND
3618.0	3832.9	PICTURED CLIFFS
3760.0	3981.8	LEWIS
4335.0	4562.7	HUERFANITO BENT
4593.0	4820.7	CHACRA
5338.0	5565.7	MASSIVE CLIFF HO
5467.0	5694.7	MENEFEE
5824.0	6051.7	POINT LOOKOUT
6299.0	6526.7	MANCOS
7019.0	7246.7	UPPER GALLUP
7760.0	7987.7	GREENHORN
7814.0	8041.7	GRANEROS
7862.0	8089.7	TWO WELLS
7942.0	8169.7	UPPER CUBERO
7990.0	8217.7	LOWER CUBERO
8076.0	8303.7	ENCINAL

Azimuths to True North  
 Magnetic North: 9.46°

Magnetic Field  
 Strength: 50374.8snT  
 Dip Angle: 63.40°  
 Date: 4/30/2014  
 Model: BGGM2013



K. All operations will be conducted in such a manner that full compliance is made with the applicable laws and regulations, the Application for Permit to Drill, and applicable Notice(s) to Lessees.

## VII. Methods for Handling Waste

A. Cuttings, Drilling Fluids, and Flowback Water - The drill cuttings, drill water and completion fluids will be placed in a lined reserve pit. The pit will be lined with 20m gage pit liner. The reserve pit will be fenced on three sides away from the pad during drilling and the fourth side fenced as soon as the rig moves out. The free fluids will be removed after completion or may be trucked and reused in drilling operations or trucked to an approved disposal facility as indicated in Burlington Resources Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office in Aztec, NM.

B. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash container during drilling and completion operations. The accumulated trash will be removed, as needed, and will be disposed of at an authorized sanitary landfill. No trash will be buried or burned on location.

C. Sewage - self-contained, chemical toilets will be provided for human waste disposal. The toilet holding tanks will be pumped, as needed, and the contents thereof disposed of in an approved sewage disposal facility. The toilets will be onsite during all operations.

D. Immediately after drilling and completing activities have ceased, all debris and other waste materials not contained in the trash containers will be cleaned up and removed from the well location.

## VIII. Ancillary Facilities

A. The proposed areas and access roads listed below could be utilized for staging of construction, drilling, and completion equipment to facilitate drilling operations. Additionally, staging could occur, within the permitted right-of-way, along the route shown on Sheet B and described on Sheet C. Staging could take place when the rig moves in or off location. Any proposed temporary use area will be returned to same or better condition than before operations began and will comply with the BLM FFO Bare Soil Reclamation Procedures.

Directions from the Post Office  
In Blanco, NM to  
Burlington Resources Oil & Gas Company LP  
SAN JUAN 28-6 UNIT 120P  
287' FSL & 158' FEL,

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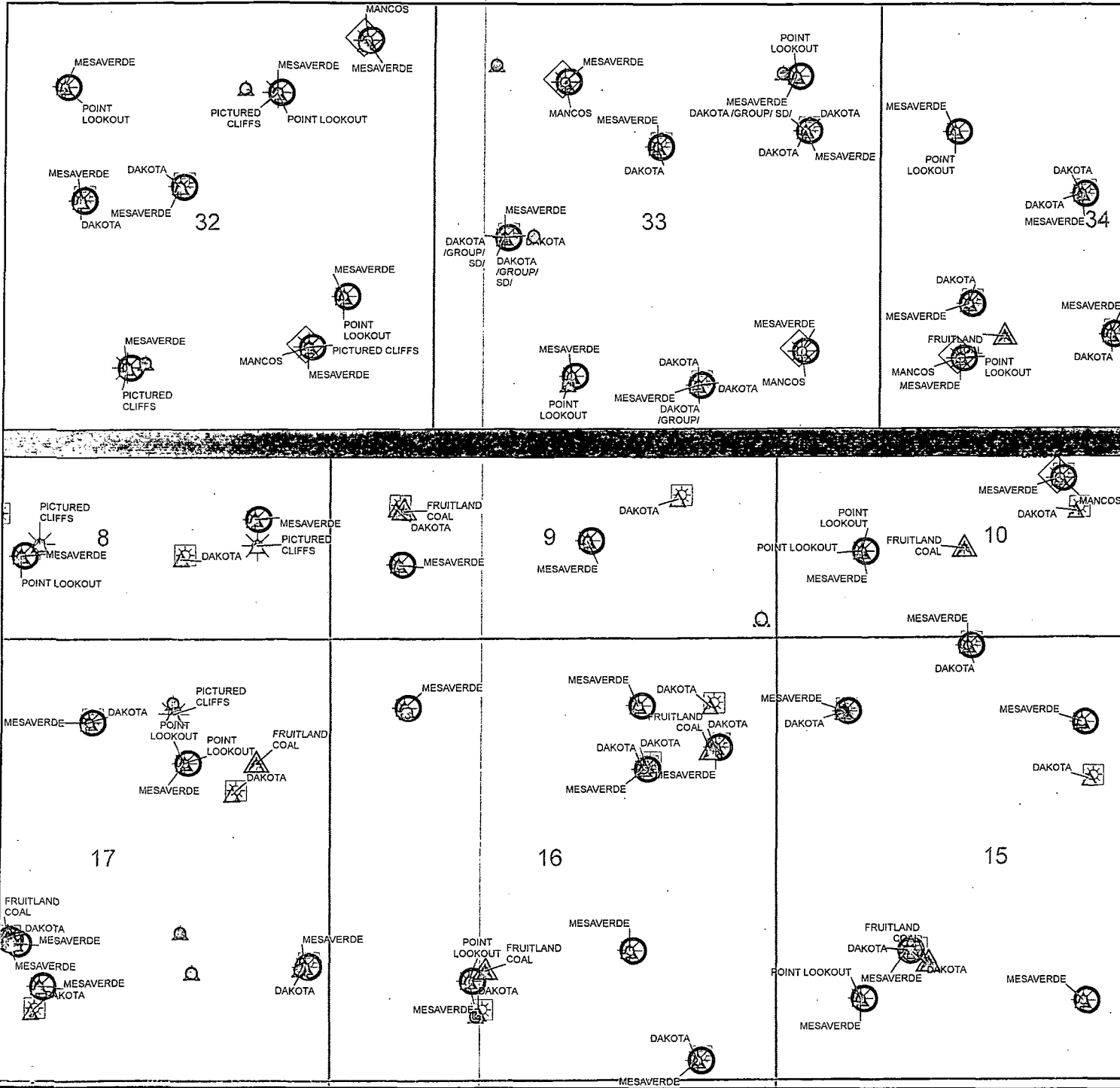
Section 9, T28N, R6W, N.M.P.M., Rio Arriba County,  
New Mexico

Latitude: 36° 40' 09.517" N  
Longitude: 107° 27' 50.646" W  
Nad 1983

From the Post Office in Blanco, NM  
Take Hwy 64 east for 22.8 miles  
Turn right (southeasterly) for 1.96 miles.  
Turn right (southwesterly) for 1.3 miles,  
To the top of snake hill,  
Turn right (northwesterly) 0.4 miles,  
To the beginning of new access  
on the right (north) side of the road  
which begins and continues northerly for 664.39'  
to the newly staked well location  
Twinned with the proposed well  
SAN JUAN 28-6 UNIT #120M.

# MAP 1A

SHEET D



<b>ConocoPhillips</b>	
SAN JUAN 28-6 UNIT 120P	
Map 1A	
Sec. 9 - T28N - R06W	
Author:	Date: 6/6/2014
Compiled by:	Scale:

