

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

Sundry Notices and Reports on Wells

RECEIVED**MAY 19 2010**

1. Type of Well
GAS

2. Name of Operator

ConocoPhillips

3. Address & Phone No. of Operator

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

4. Location of Well, Footage, Sec., T, R, M

Surface: Unit L (NWSW), 2475' FSL & 840' FWL, Section 20, T30N, R5W, NMPM

Bottomhole: Unit L (NWSW), 2475' FSL & 160' FWL, Section 20, T30N, R5W, NMPM

5. Lease Number
SF-078740

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name
San Juan 30-5 Unit

8. Well Name & Number
San Juan 30-5 Unit 27N

9. API Well No.

30-039-30875

10. Field and Pool
Blanco MV / Basin DK

11. County and State
Rio Arriba, 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 - Add Bottomhole

RCUD MAY 21 '10

OIL CONS. DIV.

DIST. 5

13. Describe Proposed or Completed Operations

ConocoPhillips requests permission to add a bottomhole location to the subject well due to the existing top set Fruitland Coal cavitation well San Juan 30-5 Unit 216R. The SJ 30-5 Unit 216R has a 9 1/2" under reamed section and the subject well's intermediate casing depth was the same as the SJ 30-5 Unit 216R top-set. The new plat, project proposal, directional drill plan and plots are attached. **(30-5 216R underreamed From 3055' - 3222' TVD)**

CONDITIONS OF APPROVAL

Adhere to previously issued stipulations.



H₂S POTENTIAL EXIST

* 216R is approx 50 FT from the proposed 27N

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

Signed

Crystal Tafoya

Crystal Tafoya

Title Regulatory Technician

Date 5/19/10

(This space for Federal or State Office use)

APPROVED BY Troy L. Sellers

Title Petroleum Engineer

Date 5/19/2010

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

NMOCD

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

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

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30875	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 31327	⁵ Property Name SAN JUAN 30 - 5 UNIT	⁶ Well Number 27N
⁷ GRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6399'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	20	30-N	5-W		2475'	SOUTH	840'	WEST	RIO ARriba

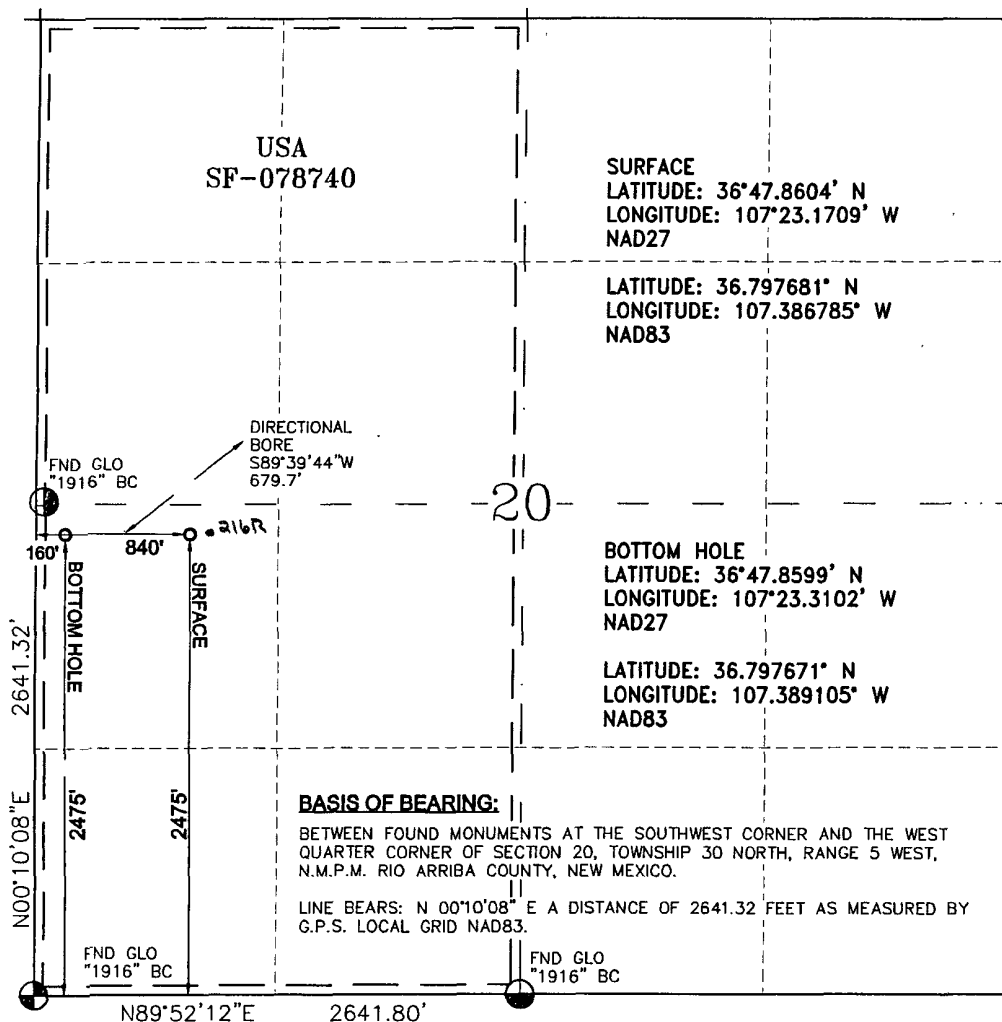
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	20	30-N	5-W		2475'	SOUTH	160'	WEST	RIO ARriba

¹² Dedicated Acres DK 320.00 ACRES W/2 MV 320.00 ACRES W/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

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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.

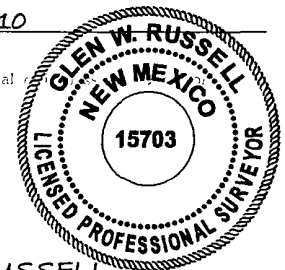
Crystal Tafoya 5/10/10
Signature
Crystal Tafoya 5/10/2010
Printed Name

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.

MAY 7, 2010
Date of Survey

Signature and Seal



GLEN W. RUSSELL
Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 27N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9097		AFE \$: 1,720,271.37	
Field Name: SAN JUAN		Rig: H&P Rig 282		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
RON	BLANCO MESAVERDE (PRORATED GAS)				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location: Surface Datum Code: NAD 27 Directional					
Latitude: 36.797674	Longitude: -107.386183	X:	Y:	Section: 20	Range: 005W
Footage X: 840 FWL	Footage Y: 2475 FSL	Elevation: 6399	(FT)	Township: 030N	
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27 Directional					
Latitude: 36.797664	Longitude: -107.388502	X:	Y:	Section: 20	Range: 005W
Footage X: 160 FWL	Footage Y: 2475 FSL	Elevation:	(FT)	Township: 030N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:	
Formation Data: Assume KB = 6415		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6215	☐		
12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.					
NACIMIENTO	1327	5088	☐		
OJO ALAMO	2513	3902	☐		
KIRTLAND	2621	3794	☐		
FRUITLAND	2735	3680	☐		Possible Gas
PICTURED CLIFFS	3341	3074	☐		
LEWIS	3444	2971	☐		
Intermediate Casing	3544	2871	☐		
8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 828 cuft. Circulate cement to surface.					
HUERFANITO BENTONITE	4103	2312	☐		
CHACRA	4446	1969	☐		Est. Top Perf - 4445 (1968)
UPPER CLIFF HOUSE	4987	1428	☐		Gas
MASSIVE CLIFF HOUSE	5284	1131	☐	414	Gas
MENEFEE	5325	1090	☐		
POINT LOOKOUT	5579	836	☐		
MANCOS	5961	454	☐		
UPPER GALLUP	6849	-434	☐		
GREENHORN	7585	-1170	☐		
GRANEROS	7631	-1216	☐		
TWO WELLS	7739	-1324	☐	3205	Gas
PAGUATE	7747	-1332	☐		
UPPER CUBERO	7765	-1350	☐		
LOWER CUBERO	7807	-1392	☐		Est. Btm Perf - 7855 (-1442) based on offset wells

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 27N

DEVELOPMENT

ENCINAL	7878	-1463	☐	TD - T/ENCN
Total Depth	7878	-1463	☐	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 590 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 30-5 Unit 208	30N 5W 19 NW SE NE
Production	SJ 30-6 Unit 216R	30N 5W 20 NE NW SW
Production	SJ 30-5 Unit 89	30N 5W 19 NW SE NE
Production	SJ 30-5 Unit 27-20	30N 5W 20 SW SW

Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

Cased Hole GR / CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips SJB

San Juan Basin - New Mexico Wells

San Juan 30 Wells

SJ 30-5 #27N

30-039-30875

Principal Wellbore

Plan: Plan #1

Standard Planning Report

07 May, 2010

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #27N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6415.0ft (H&P 282)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6415.0ft (H&P 282)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #27N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Project:	San Juan Basin - New Mexico Wells; New Mexico, Directional "S"		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site:	San Juan 30 Wells		
Site Position:		Northing:	2,100,610.50 ft
From:	Lat/Long	Easting:	654,846.83 ft
Position Uncertainty:	3.5 ft	Slot Radius:	"
		Latitude:	36° 46' 18.382 N
		Longitude:	107° 18' 16.710 W
		Grid Convergence:	0.32 °

Well:	SJ 30-5 #27N; Directional "S" Curve Short, Lewis Included		
Well Position	+N-S	0.0 ft	Northing:
	+E-W	0.0 ft	Easting:
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 47' 51.624 N
		Longitude:	107° 23' 10.254 W
		Ground Level:	6,399.0 ft

Wellbore:	Principal Wellbore		
Magnetics	Model Name	Sample Date	Declination
	BGGM2009	5/7/2010	9.87
			Dip Angle
			63.65
			Field Strength
			50,952

Design:	Plan #1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			Direction
			269.75

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,406.4	32.59	269.75	1,348.8	-1.3	-300.8	3.00	3.00	0.00	269.75	
1,551.8	32.59	269.75	1,471.2	-1.7	-379.1	0.00	0.00	0.00	0.00	
2,638.2	0.00	0.00	2,500.0	-3.0	-679.8	3.00	-3.00	0.00	180.00	SJ 30-5 #27N - VACP
3,682.2	0.00	0.00	3,544.0	-3.0	-679.8	0.00	0.00	0.00	0.00	SJ 30-5 #27N - ICP
8,015.2	0.00	0.00	7,877.0	-3.0	-679.8	0.00	0.00	0.00	0.00	SJ 30-5 #27N - PCP

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #27N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6415.0ft (H&P 282)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6415.0ft (H&P 282)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #27N	Survey Calculation Method:	Minimum Curvature
Wellbore Design:	Principal Wellbore Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0 0	0 00	0 00	0 0	0 0	0 0	0 0	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
200 0	0 00	0 00	200 0	0 0	0 0	0 0	0 00	0 00	0 00
9 5/8"									
300 0	0 00	0 00	300 0	0 0	0 0	0 0	0 00	0 00	0 00
320 0	0 00	0 00	320 0	0 0	0 0	0 0	0 00	0 00	0 00
400 0	2 40	269.75	400 0	0 0	-1 7	1 7	3 00	3 00	0 00
500 0	5 40	269 75	499 7	0 0	-8 5	8 5	3 00	3 00	0 00
600 0	8 40	269 75	599 0	-0 1	-20 5	20 5	3 00	3 00	0 00
700 0	11 40	269 75	697 5	-0 2	-37 7	37 7	3 00	3 00	0 00
800 0	14 40	269 75	795 0	-0 3	-60 0	60 0	3 00	3 00	0 00
900 0	17 40	269 75	891 1	-0 4	-87 4	87 4	3 00	3 00	0 00
1,000 0	20 40	269.75	985.7	-0 5	-119 8	119 8	3 00	3 00	0 00
1,100 0	23 40	269.75	1,078 5	-0 7	-157 1	157 1	3 00	3 00	0 00
1,200 0	26 40	269 75	1,169 2	-0 9	-199 2	199 2	3 00	3 00	0 00
1,300 0	29 40	269.75	1,257 6	-1 1	-246 0	246 0	3 00	3 00	0 00
1,380 7	31 82	269.75	1,327 0	-1 3	-287 0	287 0	3 00	3 00	0 00
Nacimiento									
1,406 4	32 59	269 75	1,348 8	-1 3	-300 8	300 8	3 00	3 00	0 00
1,500 0	32 59	269 75	1,427 6	-1 6	-351 2	351 2	0 00	0 00	0 00
1,551 8	32 59	269 75	1,471 2	-1 7	-379 1	379 1	0 00	0 00	0 00
1,600 0	31 15	269 75	1,512 2	-1 8	-404 5	404 5	3 00	-3 00	0 00
1,700 0	28 15	269 75	1,599 1	-2 0	-454 0	454 0	3 00	-3 00	0 00
1,800 0	25 15	269 75	1,688 5	-2 2	-498 8	498 8	3 00	-3 00	0 00
1,900 0	22 15	269.75	1,780 1	-2 4	-538 9	538 9	3 00	-3 00	0 00
2,000 0	19 15	269 75	1,873 6	-2 6	-574 2	574 2	3 00	-3 00	0 00
2,100 0	16 15	269.75	1,968 9	-2 7	-604 5	604 5	3 00	-3 00	0 00
2,200 0	13 15	269 75	2,065 6	-2 8	-629 8	629 8	3 00	-3 00	0 00
2,300 0	10 15	269 75	2,163 6	-2 9	-649 9	650 0	3 00	-3 00	0 00
2,400 0	7 15	269.75	2,262 4	-3 0	-665 0	665 0	3 00	-3 00	0 00
2,500 0	4 15	269.75	2,361 9	-3 0	-674 8	674 8	3 00	-3 00	0 00
2,600 0	1 15	269 75	2,461 8	-3 0	-679 4	679 4	3 00	-3 00	0 00
2,638 2	0 00	0 00	2,500 0	-3 0	-679 8	679 8	3 00	-3 00	236.32
SJ 30-5 #27N- VACP									
2,651 2	0 00	0 00	2,513 0	-3 0	-679 8	679 8	0 00	0 00	0 00
Ojo									
2,700 0	0 00	0 00	2,561 8	-3 0	-679 8	679 8	0 00	0 00	0 00
2,759 2	0 00	0 00	2,621 0	-3 0	-679 8	679 8	0 00	0 00	0 00
Kirtland									
2,800 0	0 00	0 00	2,661 8	-3 0	-679 8	679 8	0 00	0 00	0 00
2,816 2	0 00	0 00	2,678 0	-3 0	-679 8	679 8	0 00	0 00	0 00
Stage Tool									
2,873 2	0 00	0 00	2,735 0	-3 0	-679 8	679 8	0 00	0 00	0 00
Fruitland									
2,900 0	0 00	0 00	2,761 8	-3 0	-679 8	679 8	0 00	0 00	0 00
3,000 0	0 00	0 00	2,861 8	-3 0	-679 8	679 8	0 00	0 00	0 00
3,100 0	0 00	0 00	2,961 8	-3 0	-679 8	679 8	0 00	0 00	0 00
3,200 0	0 00	0 00	3,061 8	-3 0	-679 8	679 8	0 00	0 00	0 00
3,300 0	0 00	0 00	3,161 8	-3 0	-679 8	679 8	0 00	0 00	0 00
3,400 0	0 00	0 00	3,261 8	-3 0	-679 8	679 8	0 00	0 00	0 00
3,479 2	0 00	0 00	3,341 0	-3 0	-679 8	679 8	0 00	0 00	0 00
Pictured Cliffs									
3,500 0	0 00	0 00	3,361 8	-3 0	-679 8	679 8	0 00	0 00	0 00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #27N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6415 0ft (H&P 282)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6415 0ft (H&P 282)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #27N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Planned Survey:									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,582.2	0 00	0 00	3,444.0	-3.0	-679.8	679.8	0 00	0 00	0 00
Lewis									
3,600.0	0 00	0 00	3,461.8	-3.0	-679.8	679.8	0 00	0 00	0 00
3,682.2	0 00	0 00	3,544.0	-3.0	-679.8	679.8	0 00	0 00	0 00
7" - SJ 30-5 #27N - ICP									
3,700.0	0 00	0 00	3,561.8	-3.0	-679.8	679.8	0 00	0 00	0 00
3,800.0	0 00	0 00	3,661.8	-3.0	-679.8	679.8	0 00	0 00	0 00
3,900.0	0 00	0 00	3,761.8	-3.0	-679.8	679.8	0 00	0 00	0 00
4,000.0	0 00	0 00	3,861.8	-3.0	-679.8	679.8	0 00	0 00	0 00
4,100.0	0 00	0 00	3,961.8	-3.0	-679.8	679.8	0 00	0 00	0 00
4,200.0	0 00	0 00	4,061.8	-3.0	-679.8	679.8	0 00	0 00	0 00
4,245.2	0 00	0 00	4,107.0	-3.0	-679.8	679.8	0 00	0 00	0 00
Huerfano Bentonite									
4,300.0	0 00	0 00	4,161.8	-3.0	-679.8	679.8	0 00	0 00	0 00
4,400.0	0 00	0 00	4,261.8	-3.0	-679.8	679.8	0 00	0 00	0 00
4,500.0	0 00	0 00	4,361.8	-3.0	-679.8	679.8	0 00	0 00	0 00
4,583.2	0 00	0 00	4,445.0	-3.0	-679.8	679.8	0 00	0 00	0 00
Chacra									
4,600.0	0 00	0 00	4,461.8	-3.0	-679.8	679.8	0 00	0 00	0 00
4,700.0	0 00	0 00	4,561.8	-3.0	-679.8	679.8	0 00	0 00	0 00
4,800.0	0 00	0 00	4,661.8	-3.0	-679.8	679.8	0 00	0 00	0 00
4,900.0	0 00	0 00	4,761.8	-3.0	-679.8	679.8	0 00	0 00	0 00
5,000.0	0 00	0 00	4,861.8	-3.0	-679.8	679.8	0 00	0 00	0 00
5,100.0	0 00	0 00	4,961.8	-3.0	-679.8	679.8	0 00	0 00	0 00
5,126.2	0 00	0 00	4,988.0	-3.0	-679.8	679.8	0 00	0 00	0 00
Upper Cliffhouse									
5,200.0	0 00	0 00	5,061.8	-3.0	-679.8	679.8	0 00	0 00	0 00
5,300.0	0 00	0 00	5,161.8	-3.0	-679.8	679.8	0 00	0 00	0 00
5,400.0	0 00	0 00	5,261.8	-3.0	-679.8	679.8	0 00	0 00	0 00
5,423.2	0 00	0 00	5,285.0	-3.0	-679.8	679.8	0 00	0 00	0 00
Massive Cliffhouse									
5,463.2	0 00	0 00	5,325.0	-3.0	-679.8	679.8	0 00	0 00	0 00
Menefee									
5,500.0	0 00	0 00	5,381.8	-3.0	-679.8	679.8	0 00	0 00	0 00
5,600.0	0 00	0 00	5,461.8	-3.0	-679.8	679.8	0 00	0 00	0 00
5,700.0	0 00	0 00	5,561.8	-3.0	-679.8	679.8	0 00	0 00	0 00
5,713.2	0 00	0 00	5,575.0	-3.0	-679.8	679.8	0 00	0 00	0 00
Point Lookout									
5,800.0	0 00	0 00	5,661.8	-3.0	-679.8	679.8	0 00	0 00	0 00
5,900.0	0 00	0 00	5,761.8	-3.0	-679.8	679.8	0 00	0 00	0 00
6,000.0	0 00	0 00	5,861.8	-3.0	-679.8	679.8	0 00	0 00	0 00
6,100.0	0 00	0 00	5,961.8	-3.0	-679.8	679.8	0 00	0 00	0 00
6,105.2	0 00	0 00	5,967.0	-3.0	-679.8	679.8	0 00	0 00	0 00
Mancos									
6,200.0	0 00	0 00	6,061.8	-3.0	-679.8	679.8	0 00	0 00	0 00
6,300.0	0 00	0 00	6,161.8	-3.0	-679.8	679.8	0 00	0 00	0 00
6,400.0	0 00	0 00	6,261.8	-3.0	-679.8	679.8	0 00	0 00	0 00
6,500.0	0 00	0 00	6,361.8	-3.0	-679.8	679.8	0 00	0 00	0 00
6,600.0	0 00	0 00	6,461.8	-3.0	-679.8	679.8	0 00	0 00	0 00
6,700.0	0 00	0 00	6,561.8	-3.0	-679.8	679.8	0 00	0 00	0 00
6,800.0	0 00	0 00	6,661.8	-3.0	-679.8	679.8	0 00	0 00	0 00
6,900.0	0 00	0 00	6,761.8	-3.0	-679.8	679.8	0 00	0 00	0 00

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #27N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6415.0ft (H&P 282)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6415.0ft (H&P 282)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #27N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
6,989.2	0.00	0.00	6,851.0	-3.0	-679.8	679.8	0.00	0.00	0.00	
Upper Gallup										
7,000.0	0.00	0.00	6,861.8	-3.0	-679.8	679.8	0.00	0.00	0.00	
7,100.0	0.00	0.00	6,961.8	-3.0	-679.8	679.8	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,061.8	-3.0	-679.8	679.8	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,161.8	-3.0	-679.8	679.8	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,261.8	-3.0	-679.8	679.8	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,361.8	-3.0	-679.8	679.8	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,461.8	-3.0	-679.8	679.8	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,561.8	-3.0	-679.8	679.8	0.00	0.00	0.00	
7,721.2	0.00	0.00	7,583.0	-3.0	-679.8	679.8	0.00	0.00	0.00	
Greenhorn										
7,771.2	0.00	0.00	7,633.0	-3.0	-679.8	679.8	0.00	0.00	0.00	
Graneros										
7,800.0	0.00	0.00	7,661.8	-3.0	-679.8	679.8	0.00	0.00	0.00	
7,877.2	0.00	0.00	7,739.0	-3.0	-679.8	679.8	0.00	0.00	0.00	
Two Wells										
7,884.2	0.00	0.00	7,746.0	-3.0	-679.8	679.8	0.00	0.00	0.00	
Paguate										
7,900.0	0.00	0.00	7,761.8	-3.0	-679.8	679.8	0.00	0.00	0.00	
7,903.2	0.00	0.00	7,765.0	-3.0	-679.8	679.8	0.00	0.00	0.00	
Upper Cubero										
7,944.2	0.00	0.00	7,806.0	-3.0	-679.8	679.8	0.00	0.00	0.00	
Lower Cubero										
8,000.0	0.00	0.00	7,861.8	-3.0	-679.8	679.8	0.00	0.00	0.00	
8,015.2	0.00	0.00	7,877.0	-3.0	-679.8	679.8	0.00	0.00	0.00	
Encinal - 4 1/2" - SJ 30-5 #27N - PCP										

Targets										
Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SJ 30-5 #27N - VACP	- plan hits target center	0.00	0.00	2,500.0	-3.0	-679.8	2,109,911.65	630,240.87	36° 47' 51.594 N	107° 23' 18.612 W
	- Circle (radius 100.0)									
SJ 30-5 #27N - ICP	- plan hits target center	0.00	0.00	3,544.0	-3.0	-679.8	2,109,911.65	630,240.87	36° 47' 51.594 N	107° 23' 18.612 W
	- Circle (radius 100.0)									
SJ 30-5 #27N - PCP	- plan hits target center	0.00	0.00	7,877.0	-3.0	-679.8	2,109,911.65	630,240.87	36° 47' 51.594 N	107° 23' 18.612 W
	- Circle (radius 100.0)									

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #27N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6415.0ft (H&P 282)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6415.0ft (H&P 282)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #27N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
200.0	200.0	9 5/8"	9-5/8	12-1/4	
3,682.2	3,544.0	7"	7	8-3/4	
8,015.2	7,877.0	4 1/2"	4-1/2	6-1/4	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
7,877.2	7,739.0	Two Wells		0.00	
7,771.2	7,633.0	Graneros		0.00	
6,105.2	5,967.0	Mancos		0.00	
5,423.2	5,285.0	Massive Cliffhouse		0.00	
3,479.2	3,341.0	Pictured Cliffs		0.00	
7,944.2	7,806.0	Lower Cubero		0.00	
3,582.2	3,444.0	Lewis		0.00	
5,713.2	5,575.0	Point Lookout		0.00	
7,721.2	7,583.0	Greenhorn		0.00	
7,884.2	7,746.0	Paguate		0.00	
2,651.2	2,513.0	Ojo		0.00	
7,903.2	7,765.0	Upper Cubero		0.00	
5,126.2	4,988.0	Upper Cliffhouse		0.00	
5,463.2	5,325.0	Menefee		0.00	
4,245.2	4,107.0	Huerfano Bentonite		0.00	
2,759.2	2,621.0	Kirtland		0.00	
2,816.2	2,678.0	Stage Tool		0.00	
2,873.2	2,735.0	Fruitland		0.00	
1,380.7	1,327.0	Nacimiento		0.00	
6,989.2	6,851.0	Upper Gallup		0.00	
4,583.2	4,445.0	Chacra		0.00	
8,015.2	7,877.0	Encinal		0.00	

REFERENCE INFORMATION

RKB @ 6415.0ft (H&P 282)
Ground Elevation 6399.0
Reference Lat: 36° 47' 51.624 N
Reference Long: 107° 23' 10.254 W

Project: San Juan Basin - New Mexico Well
Site: San Juan 30 Wells
Well: SJ 30-5 #27N
Wellbore: Principal Wellbore
Design: Plan #1

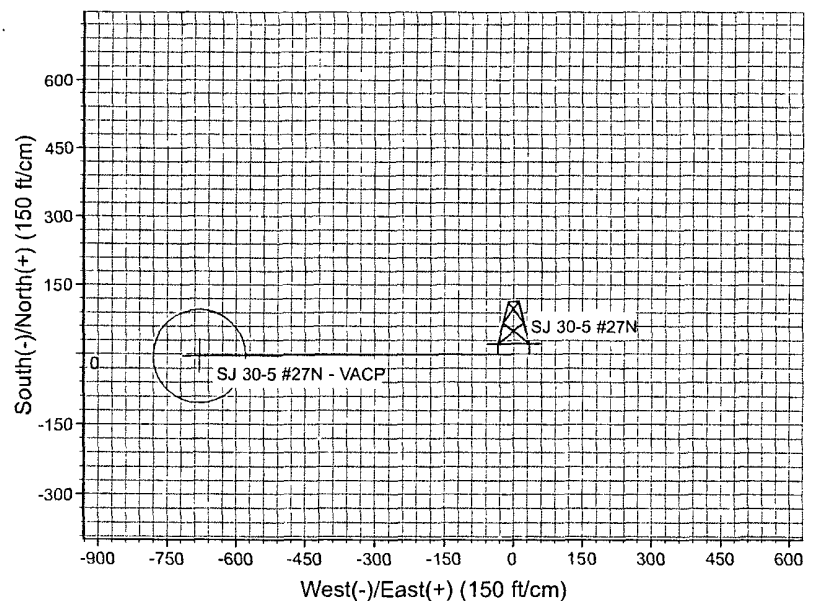
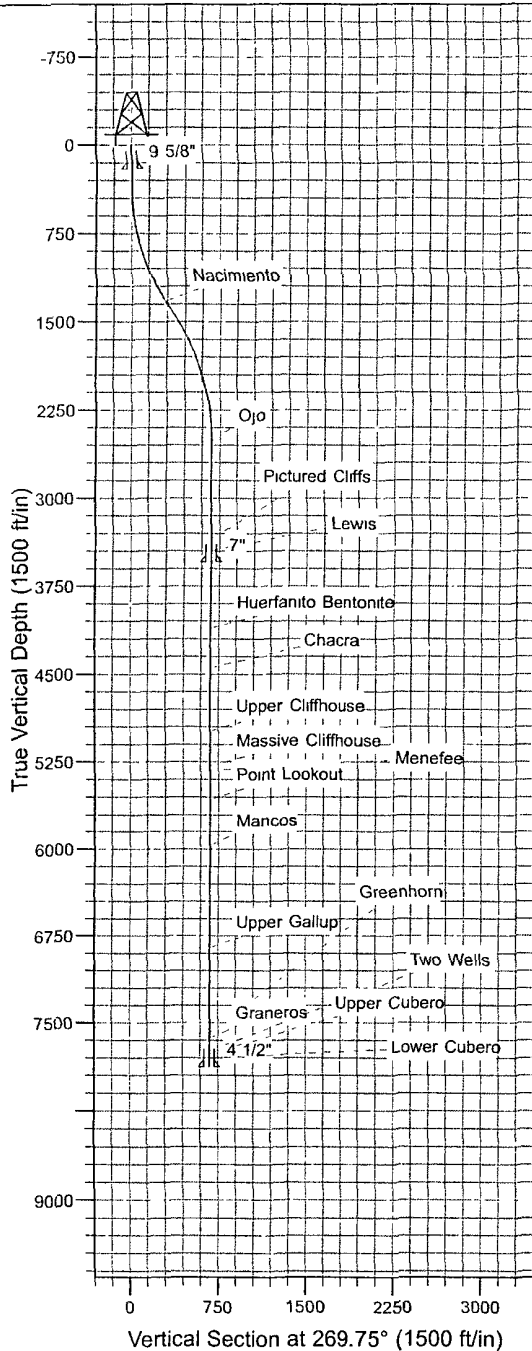
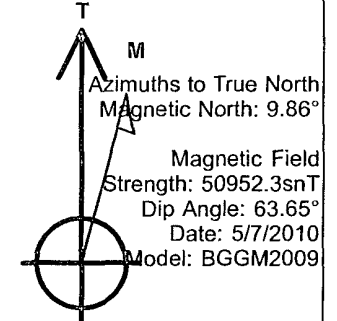
ConocoPhillips

SECTION DETAILS

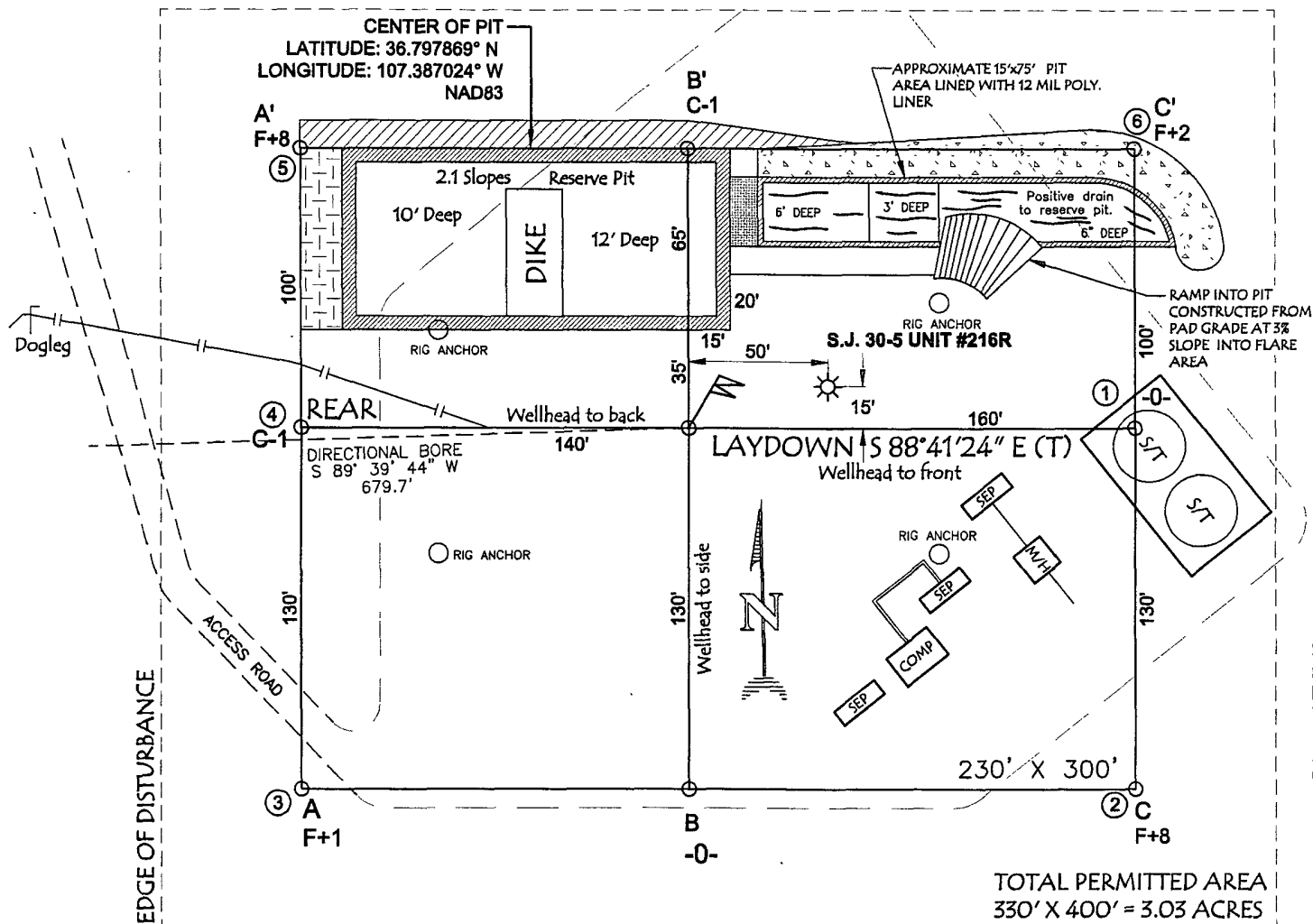
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1406.4	32.59	269.75	1348.8	-1.3	-300.8	3.00	269.75	300.8	
4	1551.8	32.59	269.75	1471.2	-1.7	-379.1	0.00	0.00	379.1	
5	2638.2	0.00	0.00	2500.0	-3.0	-679.8	3.00	180.00	679.8	SJ 30-5 #27N - VACP
6	3682.2	0.00	0.00	3544.0	-3.0	-679.8	0.00	0.00	679.8	SJ 30-5 #27N - ICP
7	8015.2	0.00	0.00	7877.0	-3.0	-679.8	0.00	0.00	679.8	SJ 30-5 #27N - PCP

FORMATION TOP DETAILS

VDPPath	MDPath	Formation
1327.0	1380.7	Nacimiento
2513.0	2651.2	Ojo
2621.0	2759.2	Kirtland
2678.0	2816.2	Stage Tool
2735.0	2873.2	Fruitland
3341.0	3479.2	Pictured Cliffs
3444.0	3582.2	Lewis
4107.0	4245.2	Huerfanito Bentonite
4445.0	4583.2	Chacra
4988.0	5126.2	Upper Cliffhouse
5285.0	5423.2	Massive Cliffhouse
5325.0	5463.2	Menefee
5575.0	5713.2	Point Lookout
5967.0	6105.2	Mancos
6851.0	6989.2	Upper Gallup
7583.0	7721.2	Greenhorn
7633.0	7771.2	Graneros
7739.0	7877.2	Two Wells
7746.0	7884.2	Paguate
7765.0	7903.2	Upper Cubero
7806.0	7944.2	Lower Cubero
7877.0	8015.2	Encinal



CONOCOPHILLIPS COMPANY
SAN JUAN 30-5 UNIT #27N, 2475' FSL & 840' FWL
SECTION 20, T-30-N, R-5-W, NMPM, RIO ARRIBA COUNTY, NM
GROUND ELEVATION: 6399', DATE: JUNE 23, 2009



WELL HEAD
S.J. 30-5 UNIT #216R
LATITUDE: 36°47.8627' N
LONGITUDE: 107°23.1609' W
NAD27

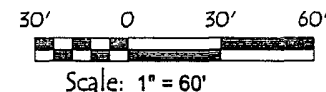
LATITUDE: 36.797719° N
LONGITUDE: 107.386617° W
NAD83

SURFACE
LATITUDE: 36°47.8604' N
LONGITUDE: 107°23.1709' W
NAD27

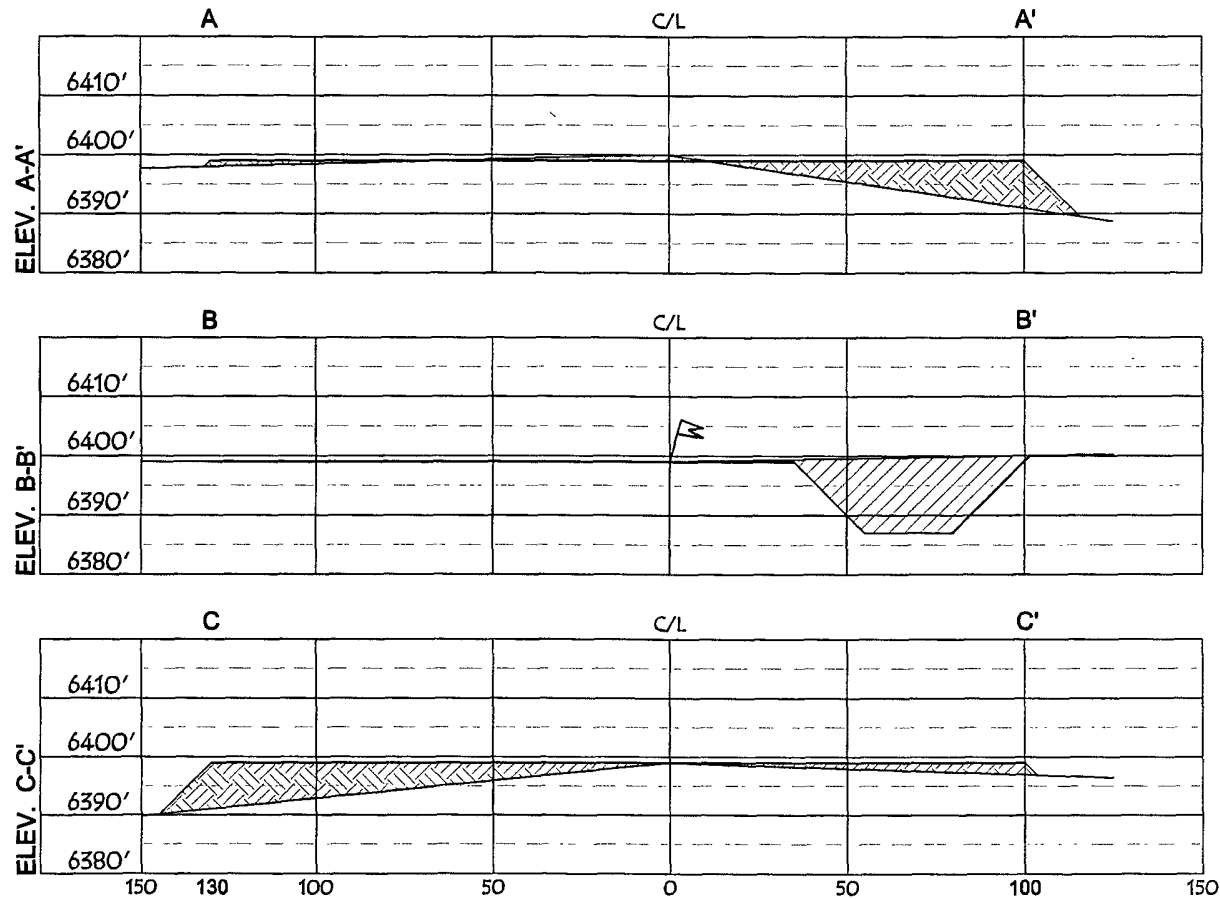
LATITUDE: 36.797681° N
LONGITUDE: 107.386785° W
NAD83

NOTES:

1. VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.
2. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).



CONOCOPHILLIPS COMPANY
 SAN JUAN 30-5 UNIT #27N, 2475' FSL & 840' FWL
 SECTION 20, T-30-N, R-5-W, NMPM, RIO ARriba COUNTY, NM
 GROUND ELEVATION: 6399', DATE: JUNE 23, 2009



NOTE:

VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

107°25'00" W

107°24'00" W

WGS84 107°23'00" W

CONOCOPHILLIPS COMPANY

SAN JUAN 30-5 UNIT 27N

2475' FSL & 840' FWL

SEC 20, T30N R5W, N.M.P.M.

RIO ARriba COUNTY, NEW MEXICO

APD MAP

NO NEW ACCESS

EXISTING ACCESS

SAN JUAN 30-5 UNIT 27N

Map created with TOPOLOG © 2007 National Geographic

107°25'00" W

107°24'00" W

WGS84 107°23'00" W



NATIONAL
GEOGRAPHIC

0.0 0.5 miles
0.0 0.5 1.0 km

TN MN
10°
05/07/10

Directions from the Post Office
in Blanco, NM to
CONOCOPHILLIPS COMPANY
SAN JUAN 30-5 UNIT 27N
2475' FSL & 840' FWL,
Section 20, T30N, R5W, N.M.P.M.,
Rio Arriba County, New Mexico
Latitude: 36° 47' 51.650" N
Longitude: 107° 23' 12.425" W
Nad 1983

From the Post Office in Blanco, NM
Take Highway 64 East for 28.8 miles
To Hwy 527 (Simms Mesa Hwy),
Turn left (northwest) on Hwy 527 for 8.0 miles,
To Rosa Road, turn right (northeast) for 6.6 miles,
Across La Jara Bridge to the y-intersection,
Turn right (northeasterly) 0.1 miles,
continue (southeasterly) for 0.8 miles to y-intersection,
stay right (southeasterly) for 0.8 miles to y-intersection,
stay left (southerly) 1.7 miles,
turn right (southerly) 0.5 miles,
turn left (south) 500' to newly staked location,
twinned with existing location (SAN JUAN 30-5 UNIT 216R)