

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

NOV 16 2009

5083300000
BLM
DIST. 2

1a. Type of Work DRILL	5. Lease Number SF-078835-A
1b. Type of Well GAS	6. If Indian, All. or Tribe Bureau of Land Management Blanco Field Office
2. Operator ConocoPhillips Company	7. Unit Agreement Name San Juan 28-7 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name
4. Location of Well Surface: Unit A(NENE), 868' FNL & 1064' FEL Bottomhole: Unit G(SWNE), 1585' FNL & 2015' FEL Surface: Latitude: 36.60841° N (NAD 83) Longitude: 107.60900° W Bottomhole: Latitude: 36.60645° N (NAD 83) Longitude: 107.61238° W	9. Well Number 236P
14. Distance in Miles from Nearest Town 16 miles/Blanco	10. Field, Pool, Wildcat Basin DK/Blanco MV
15. Distance from Proposed Location to Nearest Property or Lease Line 868'	11. Sec., TwN, Rge, Mer. (NMPM) Sec. 6, T27N, R7W
16. Acres in Lease 640.860	12. County Rio Arriba
17. Acres Assigned to Well MV/DK 320.60 (E/2)	13. State NM
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 52' from San Juan 28-7 Unit 85 (MV)	20. Rotary or Cable Tools Rotary
19. Proposed Depth 7163'	21. Elevations (DF, FT, GR, Etc.) 6189' GR
22. Approx. Date Work will Start	23. Proposed Casing and Cementing Program See Operations Plan attached
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	25. BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS
	Date: <u>11/16/2009</u>

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE AFM DATE 12/2/09

Archaeological Report attached
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.

NOTIFY AZTEC OCD 24 HRS. PRIOR TO CASING & CEMENT

Example Master Plan Type 3 Bond Numbers ES-0048 and ES-0085 DEC 18 2009

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

Hold C104
for Directional Survey
and "As Drilled" plat
NMOCD P.A.

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

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 W. Grand Avenue, Artesia, N.M. 88210

RECEIVED Submitted to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

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

NOV 16 2009

AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30849		*Pool Code 71599 / 72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 31739	*Property Name SAN JUAN 28-7 UNIT		*Well Number 236 P
*OGRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY		*Elevation 6189'

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
A	6	27N	7W	1	868'	NORTH	1064'	EAST	RIO ARRIBA

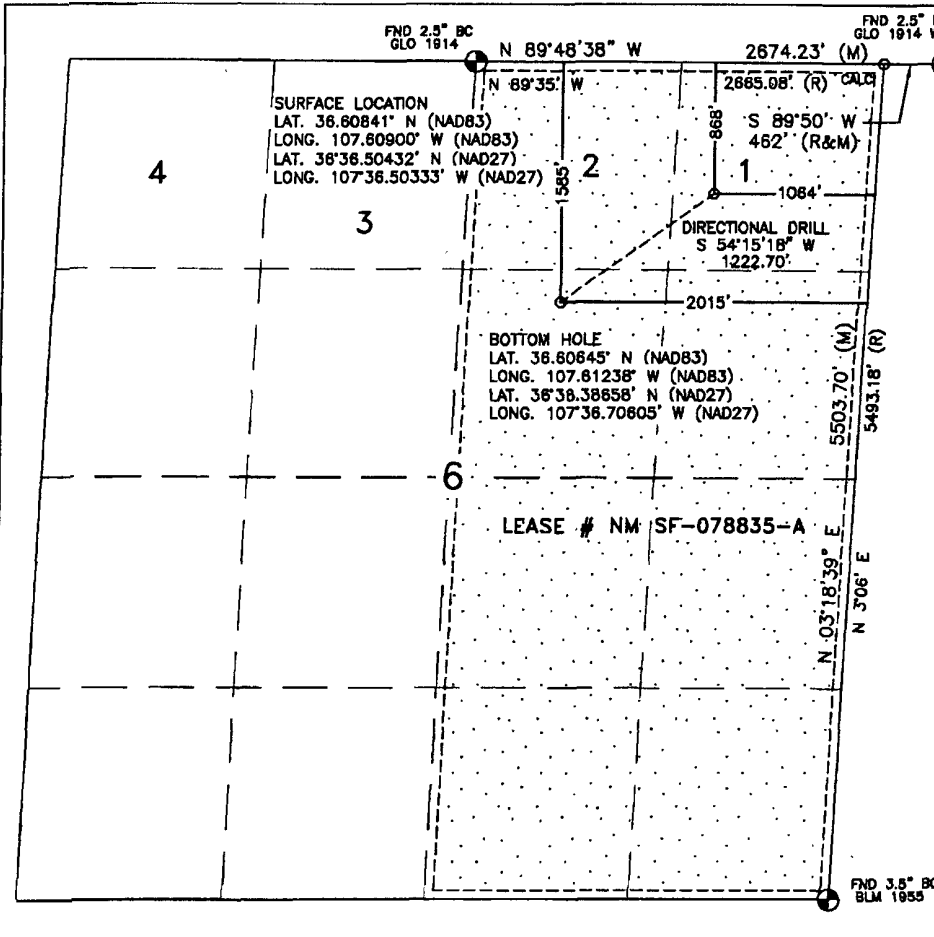
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	6	27N	7W		1585'	NORTH	2015'	EAST	RIO ARRIBA

¹² Dedicated Acres 320.60 Acres - (E/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

18



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 or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 11/10/09
Signature Date

Crystal Tafoya 11/10/09
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.

SEPTEMBER 5, 2008
Date of Survey

Signature and Seal of Professional Surveyor:
David Russell

DAVID RUSSELL
Certificate Number 10201



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 236P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8309		AFE \$: 1,620,243.62	
Field Name: SAN JUAN		Rig: XXX 2010 Holding		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist: Phone:	
Geoscientist: Johnson, David		Phone: +1 505-324-6169		Prod. Engineer: Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		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: 36.608402	Longitude: -107.608391	X:	Y:	Section: 06	Range: 007W
Footage X: 1064 FEL	Footage Y: 868 FNL	Elevation: 6189	(FT)	Township: 027N	
Tolerance:					

Location: Bottom Hole		Datum Code: NAD-27		Directional	
Latitude: 36.606442	Longitude: -107.611771	X:	Y:	Section: 06	Range: 007W
Footage X: 2015 FEL	Footage Y: 1585 FNL	Elevation:	(FT)	Township: 027N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2011	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6204	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6004	<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 171 cuft. Circulate cement to surface.
OJO ALAMO	1794	4410	<input type="checkbox"/>			
KIRTLAND	1904	4300	<input type="checkbox"/>			
FRUITLAND	2259	3945	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2679	3525	<input type="checkbox"/>			
LEWIS	2784	3420	<input type="checkbox"/>			
HUERFANITO BENTONITE	3267	2937	<input type="checkbox"/>			
CHACRA	3631	2573	<input type="checkbox"/>			
Intermediate Casing	4050	2154	<input type="checkbox"/>			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 964 cuft. Circulate cement to surface.
MASSIVE CLIFF HOUSE	4327	1877	<input type="checkbox"/>	303		Gas
MENEFEE	4416	1788	<input type="checkbox"/>			
POINT LOOKOUT	4895	1309	<input type="checkbox"/>			
MANCOS	5297	907	<input type="checkbox"/>			
UPPER GALLUP	6089	115	<input type="checkbox"/>			
GREENHORN	6836	-632	<input type="checkbox"/>			
GRANEROS	6894	-690	<input type="checkbox"/>			
TWO WELLS	6946	-742	<input type="checkbox"/>	2785		Gas
UPPER CUBERO	7065	-861	<input type="checkbox"/>			
LOWER CUBERO	7091	-887	<input type="checkbox"/>			
ENCINAL	7153	-949	<input type="checkbox"/>			
Total Depth	7163	-959	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 427 cuft. Circulate cement a minimum of 100' inside the previous casing string.

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJBU
Project: San Juan Basin - New Mexico Wells
Site: San Juan 28 Wells
Well: SJ 28-7 #236P
Wellbore: Principal Wellbore
Design: Plan #1

Local Co-ordinate Reference: Well SJ 28-7 #236P
TVD Reference: RKB @ 6204.0ft (Original Well Elev)
MD Reference: RKB @ 6204.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,858.9	1,794.0	Ojo		0.00		
1,979.7	1,904.0	Kirtland		0.00		
2,369.4	2,259.0	Fruitland		0.00		
2,830.4	2,679.0	Pictured Cliffs		0.00		
2,945.7	2,784.0	Lewis		0.00		
3,475.9	3,267.0	Huerfano Bentonite		0.00		
3,860.2	3,631.0	Chacra		0.00		
4,559.7	4,327.0	Mass. Cliffhouse		0.00		
4,648.7	4,416.0	Menefee		0.00		
5,127.7	4,895.0	Point Lookout		0.00		
5,529.7	5,297.0	Mancos		0.00		
6,321.7	6,089.0	Upper Gallup		0.00		
7,068.7	6,836.0	Greenhorn		0.00		
7,126.7	6,894.0	Graneros		0.00		
7,178.7	6,946.0	Two Wells		0.00		
7,297.7	7,065.0	Upper Cubero		0.00		
7,323.7	7,091.0	Lower Cubero		0.00		
7,385.7	7,153.0	Encinal		0.00		

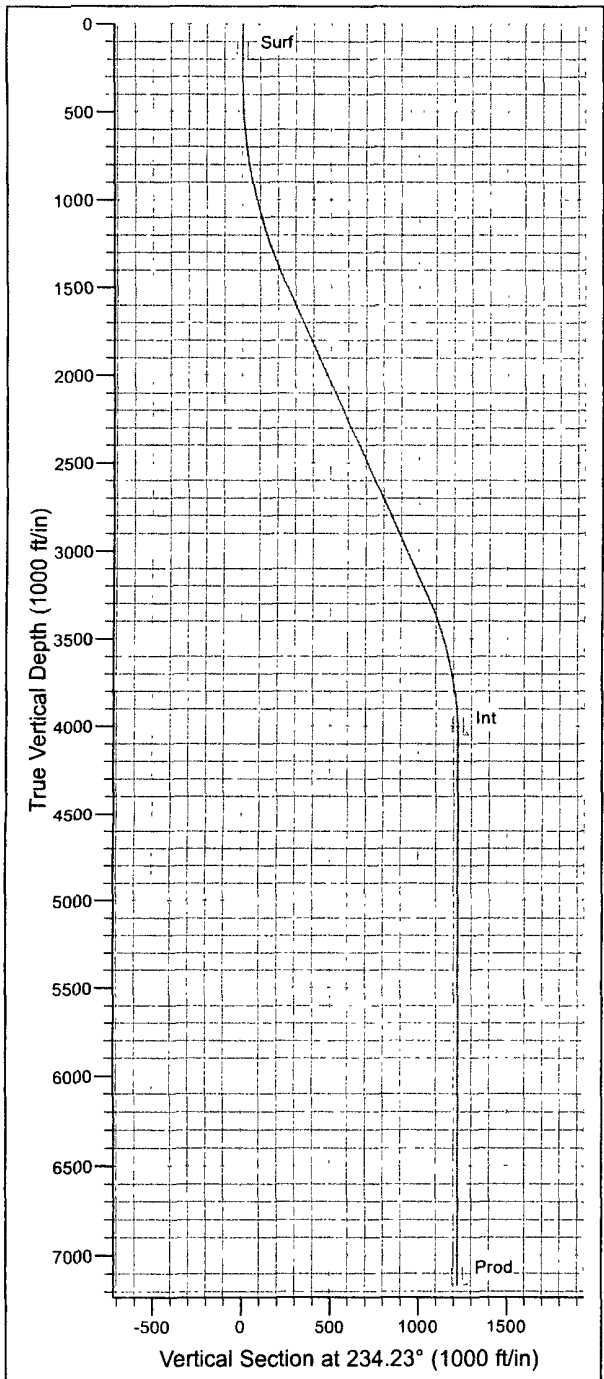
REFERENCE INFORMATION
 RKB @ 6204.0ft (Original Well Elev)
 Ground Elevation 6189.0
 Reference Lat: 36° 36' 30.259 N
 Reference Long: 107° 36' 30.200 W

Project: San Juan Basin - New Mexico Wells
 Site: San Juan 28 Wells
 Well: SJ 28-7 #236P
 Wellbore: Principal Wellbore
 Design: Plan #1



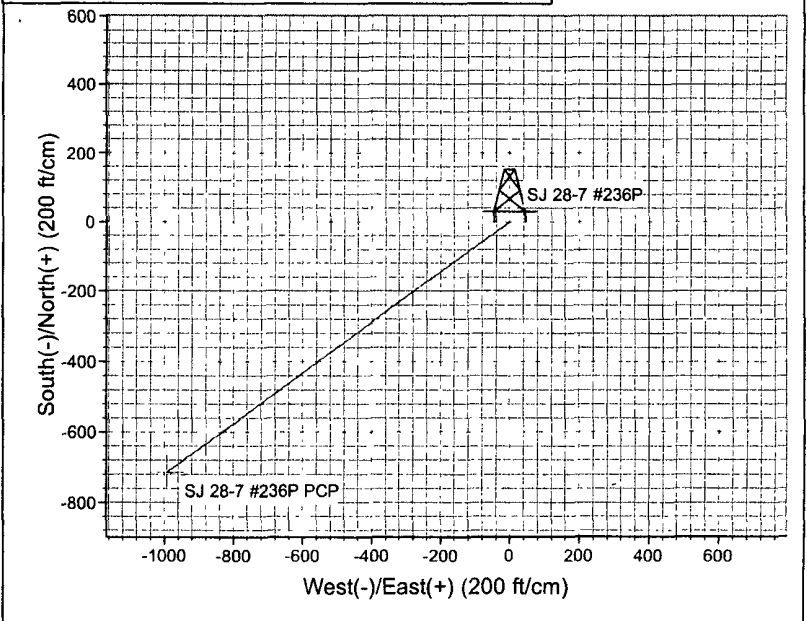
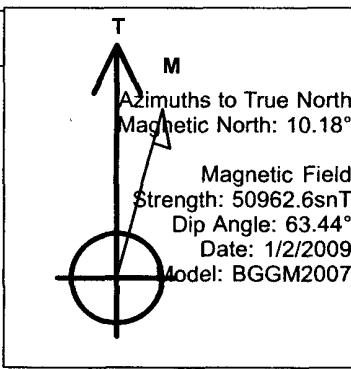
SECTION DETAILS

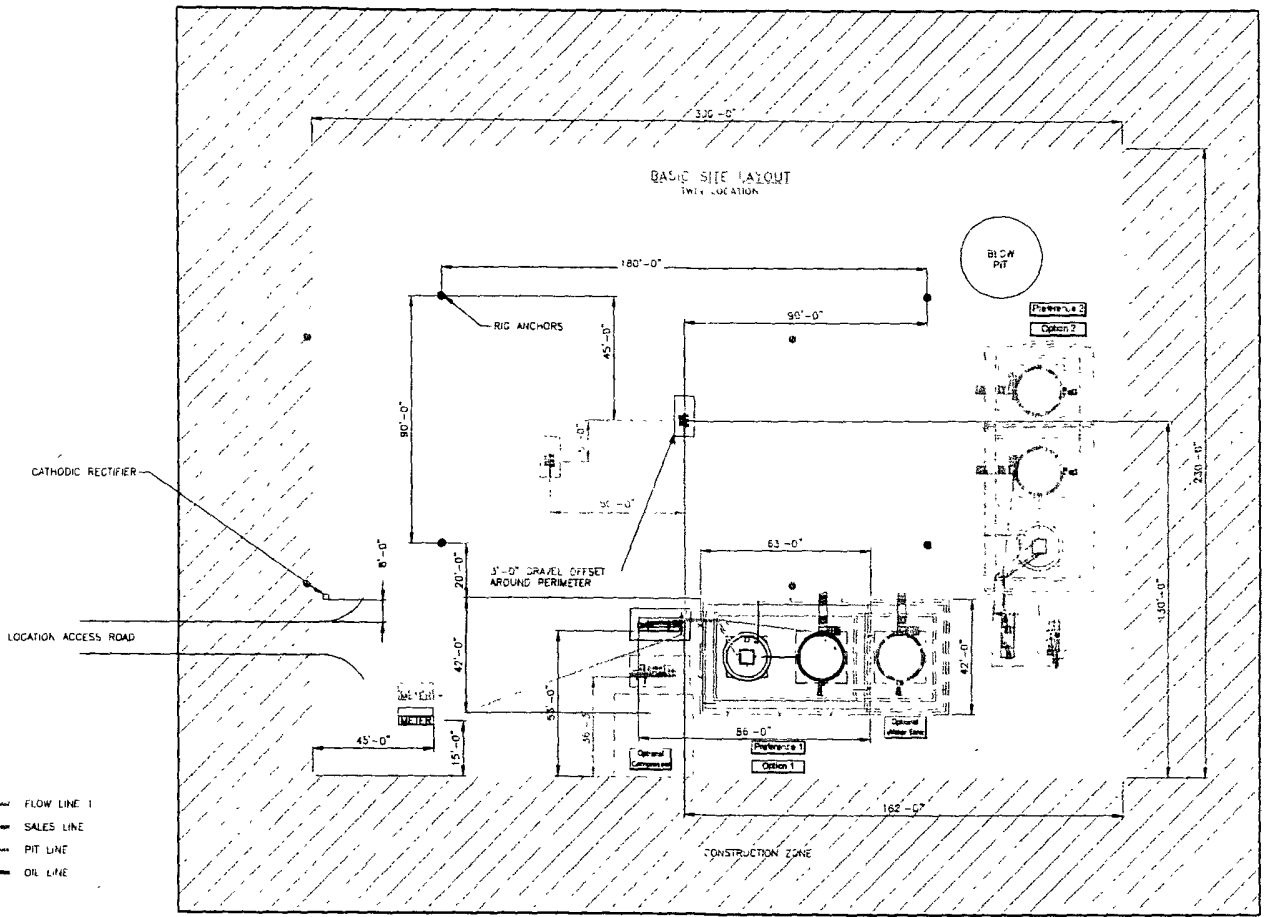
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1538.1	24.36	234.23	1501.7	-149.1	-207.0	2.00	234.23	255.1	
4	3470.6	24.36	234.23	3262.2	-615.0	-853.8	0.00	0.00	1052.2	
5	4282.7	0.00	0.00	4050.0	-714.4	-991.8	3.00	180.00	1222.3	SJ 28-7 #236P ICP
6	7395.7	0.00	0.00	7163.0	-714.4	-991.8	0.00	0.00	1222.3	SJ 28-7 #236P PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2434.0	1858.9	Ojo
2544.0	1979.7	Kirtland
2899.0	2369.4	Fruitland
3319.0	2830.4	Pictured Cliffs
3424.0	2945.7	Lewis
3907.0	3475.9	Huerfanito Bentonite
4271.0	3860.2	Chacra
4967.0	4559.7	Mass. Cliffhouse
5056.0	4648.7	Menefee
5535.0	5127.7	Point Lookout
5937.0	5529.7	Mancos
6729.0	6321.7	Upper Gallup
7476.0	7068.7	Greenhorn
7534.0	7126.7	Graneros
7586.0	7178.7	Two Wells
7705.0	7297.7	Upper Cubero
7731.0	7323.7	Lower Cubero
7793.0	7385.7	Encinal





FLOW LINE 1
 SALES LINE
 PIT LINE
 OIL LINE

SEE SHEET 3 & 4 FOR PIPING DETAILS
 ALL UNDERGROUND PIPING IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS			CONOCO-PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT			
										DISCIPLINE	REVIEWED	DATE	NO.	DESCRIPTION		CLIENT APPROV.	ISSUED DATE		
										PROCESS									
										MECHANICAL									
										PIPING									
										ELECTRICAL									
										I & C									
										CIVIL/STRUCTURAL									
										PROJECT									
DESCRIPTION										SAN JUAN BUSINESS UNIT					CLIENT NO.				
DATE:															SCALE	AS SHOWN	ISSUED DATE		
BY:															DATE				
CHK'D:															BY:				
ENG:															HP3PHASE-REV1				
DISG:															SHEET NO.	1	OF 5		
P.L.:																			

\\nrc\proj\csl\ad\regulatory\San Juan Location Site Layout.dwg, 06/28/2007 - 02:39pm

CONOCOPHILLIPS COMPANY
SAN JUAN 28-7 UNIT #236 P
868' FNL & 1064' FEL
LOCATED IN THE NE/4 NE/4 OF SECTION 6,
T27N, R7W, N.M.P.M.,
RIO ARRIBA COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM THE BLANCO POST OFFICE IN BLANCO, NM, TRAVEL EAST, 1.2 MILES TO LARGO CANYON ROAD (C.R. #4450).
- 2) TURN RIGHT ON LARGO CANYON ROAD AND TRAVEL 3.7 MILES.
- 3) TURN LEFT AND TRAVEL 5.75 MILES.
- 4) TURN RIGHT AND TRAVEL ACROSS THE WASH AND CONTINUE FOR 4.3 MILES.
- 5) TURN LEFT AND TRAVEL SOUTHWESTERLY FOR 1.3 MILES TO THE EXISTING WELL LOCATION.

WELL FLAG LOCATED AT LAT. 36.60841° N, LONG. 107.60900° W (NAD 83).

JOB No.: COPC232
DATE: 09/19/08



Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8637