

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 04 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	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	5. Lease Number SF-078994 Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator ConocoPhillips Company		7. Unit Agreement Name OIL CONS. DIV. DIST. 3 San Juan 30-5 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 9. Well Number 38P
4. Location of Well Surf: Unit O(SWSE), 975' FSL & 1695' FEL Bottomhole: Unit J(NWSE), 1525' FSL & 2580' FEL Surf: Latitude: 36.808052° N (NAD83) Longitude: 107.395450° W Bottomhole: Latitude: 36.809568° N (NAD83) Longitude: 107.398505° W		10. Field, Pool, Wildcat Blanco DK / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 18, T30N, R5W API # 30-039- 30892
14. Distance in Miles from Nearest Town 46 miles / Blanco		12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 975'		
16. Acres in Lease 1,080.00		17. Acres Assigned to Well 320.00 (E/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 62' from SJ 30-5 Unit 89N		
19. Proposed Depth 7938'		20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6433' GL		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)		12/4/2009 Date

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

JAN 04 2010

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

NMOC

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

NOTIFY AZTEC OCD 24 HR
PRIOR TO CASING & CEME

DISTRICT I
1025 N. French Dr., Hobbs, N.M. 88240

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

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

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

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 October 12, 2005

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30892	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 38P
⁷ OGRD No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6433'

¹⁰ Surface Location

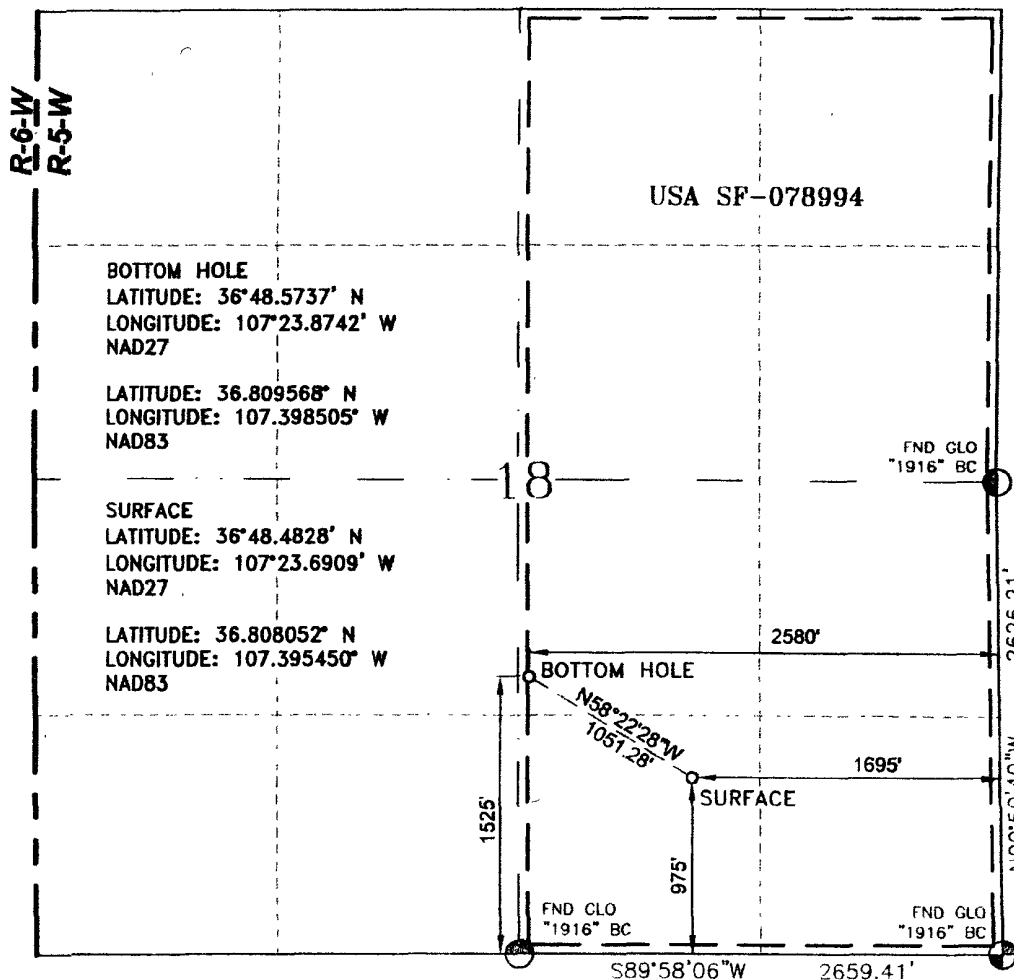
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	18	30-N	5-W		975	SOUTH	1695	EAST	RIO ARriba

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
J	18	30-N	5-W		1525	SOUTH	2580	EAST	RIO ARriba
¹² Dedicated Acres DK 320.00 ACRES E/2 MV 320.00 ACRES E/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

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

Tracey N. Monroe
Signature
Tracey N. Monroe
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.

7-29-09
Date of Survey
Signature and Seal of Professional Surveyor:
GLEN W. RUSSELL
NEW MEXICO
LICENSED PROFESSIONAL SURVEYOR
15703
Certificate Number
15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 38P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9131				AFE \$: 1,708,070.82	
Field Name: SAN JUAN		Rig: H&P Rig 283		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: 36.808045		Longitude: -107.394847		X:	Y:	Section: 18	Range: 005W
Footage X: 1695 FEL		Footage Y: 975 FSL		Elevation: 6433 (FT)		Township: 030N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.809561		Longitude: -107.367903		X:	Y:	Section: 18	Range: 005W
Footage X: 2580 FEL		Footage Y: 1525 FSL		Elevation: (FT)		Township: 030N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6448 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6248	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.	
NACIMIENTO	1288	5160	☐				
OJO ALAMO	2521	3927	☐				
KIRTLAND	2630	3818	☐				
FRUITLAND	2744	3704	☐	122		Possible Gas	
PICTURED CLIFFS	3370	3078	☐	424			
LEWIS	3496	2952	☐				
Intermediate Casing	3596	2852	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 856 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4130	2318	☐				
CHACRA	4488	1960	☐				
UPPER CLIFF HOUSE	5023	1425	☐			Gas	
MASSIVE CLIFF HOUSE	5322	1126	☐	384		Gas	
MENEFEE	5366	1082	☐				
POINT LOOKOUT	5614	834	☐				
MANCOS	5990	458	☐				
UPPER GALLUP	6910	-462	☐				
GREENHORN	7632	-1184	☐				
GRANEROS	7684	-1236	☐				
TWO WELLS	7790	-1342	☐	2908		Gas	
PAGUATE	7802	-1354	☐				
UPPER CUBERO	7813	-1365	☐				
LOWER CUBERO	7857	-1409	☐				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 38P

DEVELOPMENT

ENCINAL	7928	-1480	☐	
Total Depth	7938	-1490	☐	6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 589 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	SAN JUAN 30-5 88	

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
mud log from ~100' above grhn to td. Perf 28' above td. Mud logger will call td.	

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

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #38P
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6448 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6448 0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #38P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,834 7	7,632 0	Greenhorn		0.00		
8,059 7	7,857 0	Lower Cubero		0.00		
	7,928 0	Encinal		0.00		
2,668 3	2,521.0	Ojo		0.00		
5,816 7	5,614 0	Point Lookout		0.00		
1,307 4	1,288 0	Nacimiento		0.00		
3,572 2	3,370.0	Pictured Cliffs		0.00		
4,690 7	4,488 0	Chacra		0.00		
7,886 7	7,684 0	Graneros		0.00		
2,789 2	2,630 0	Kirtland		0.00		
4,332 7	4,130 0	Huerfano Bentonite		0.00		
5,524.7	5,322 0	Mass Cliffhouse		0.00		
2,915 7	2,744 0	Fruitland		0.00		
7,992 7	7,790 0	Two Wells		0.00		
5,568 7	5,366 0	Menefee		0.00		
7,112 7	6,910.0	Upper Gallup		0.00		
5,225 7	5,023 0	Upper Cliffhouse		0.00		
8,015 7	7,813 0	Upper Cubero		0.00		
3,698 7	3,496 0	Lewis		0.00		
6,192 7	5,990.0	Mancos		0.00		
8,004 7	7,802 0	Paguate		0.00		

REFERENCE INFORMATION

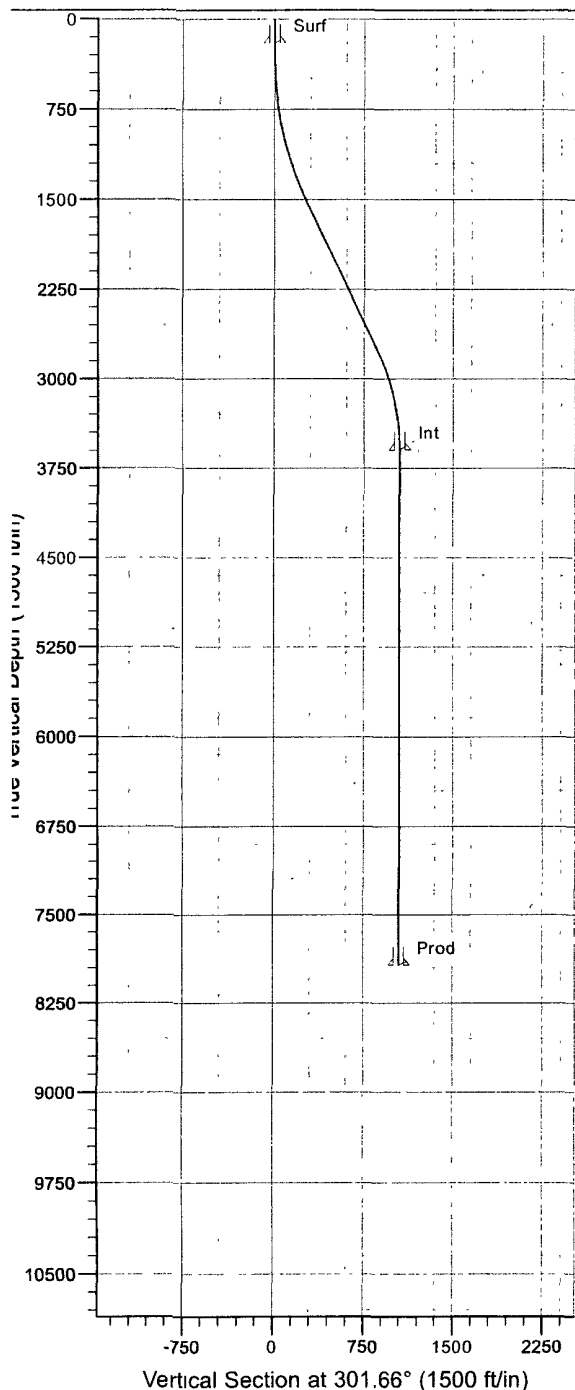
RKB @ 6448.0ft (Original Well Elev)
Ground Elevation 6433.0
Reference Lat: 36° 48' 28.968 N
Reference Long: 107° 23' 41.454 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 30 Wells
Well: SJ 30-5 #38P
Wellbore: Principal Wellbore
Design: Plan #1

ConocoPhillips

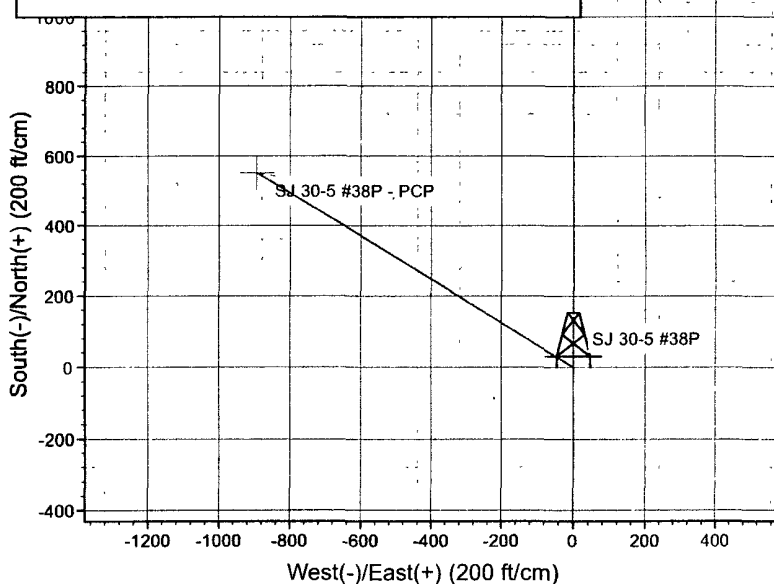
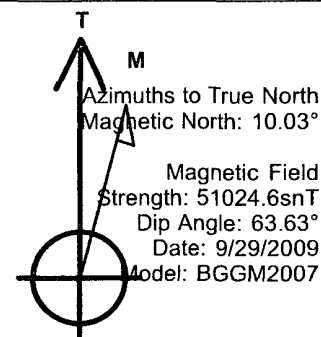
SECTION DETAILS

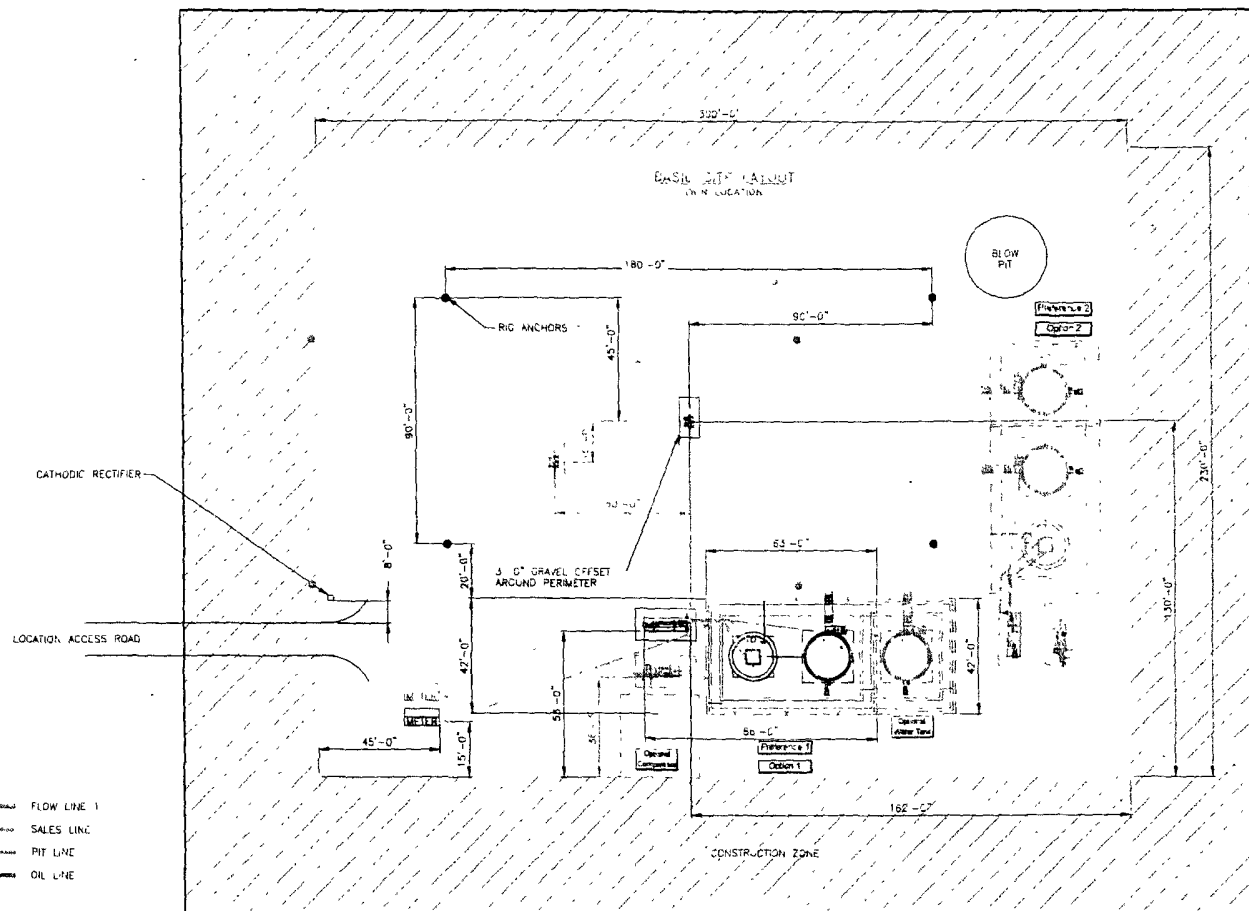
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1601.8	25.64	301.66	1559.5	148.0	-240.0	2.00	301.66	282.0	
4	2944.2	25.64	301.66	2769.7	452.9	-734.4	0.00	0.00	862.8	
5	3798.7	0.00	0.00	3596.0	551.6	-894.4	3.00	180.00	1050.8	SJ 30-5 #38P - ICP
6	8130.7	0.00	0.00	7928.0	551.6	-894.4	0.00	0.00	1050.8	SJ 30-5 #38P - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1363.0	1307.4	Encinal
2596.0	2668.3	Nacimiento
2705.0	2789.2	Ojo
2819.0	2915.7	Kirtland
3445.0	3572.2	Fruitland
3571.0	3698.7	Pictured Cliffs
4205.0	4332.7	Lewis
4563.0	4690.7	Huerfano Bentonite
5098.0	5225.7	Chacra
5397.0	5524.7	Upper Cliffhouse
5441.0	5568.7	Mass. Cliffhouse
5689.0	5816.7	Menefee
6065.0	6192.7	Point Lookout
6985.0	7112.7	Mancos
7707.0	7834.7	Upper Gallup
7759.0	7886.7	Greenhorn
7865.0	7992.7	Graneros
7877.0	8004.7	Two Wells
7888.0	8015.7	Paguate
7932.0	8059.7	Upper Cubero
		Lower Cubero





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 2

										ENGINEERING REVIEW			REFERENCE DRAWINGS		CONOCO PHILLIPS		SAN JUAN BUSINESS UNIT			CONOCO PHILLIPS HP3 PHASE FACILITY DIAGRAM - SITE LAYOUT			
										DISCIPLINE	REVIEWED	DATE	AC	DESCRIPTION									
										PROCESS													
										MECHANICAL													
										PIPING													
										ELECTRICAL													
										I & C													
										CIVIL/STRUCTURAL													
										PROJECT													
DESCRIPTION										DATE	BY	CHKD	ENG	DISC	REV	SAN JUAN BUSINESS UNIT		SHEET NO. DRAWING NO.			SHEET NO. DRAWING NO.		

Project: Sigsbee/ConocoPhillips/Regulatory/Terrace Site Layout.dwg 06/28/2001 - 02:39pm

Directions from the Post Office
in Blanco, NM
to
CONOCOPHILLIPS COMPANY
SAN JUAN 30-5 UNIT 38P
975' FSL & 1695' FEL,
Section 18, T30N, R5W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36° 48' 28.989" N
Longitude: 107° 23' 43.621" 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) for 1.0 miles,
turn right (south) 0.1 miles to newly staked location twinned with
existing location (SAN JUAN 30-5 UNIT 89N)