

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD JUN 6 '12

OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078051 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator ConocoPhillips Company	7. Unit Agreement Name Farmington Field Office Bureau of Land Management
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Neil A 9. Well Number 2B
4. Location of Well Surface: Unit O (SWSE), 299' FSL & 1930' FEL BHL : Unit P (SESE), 710' FSL & 710' FEL Surface: Latitude: 36.89185° N (NAD83) Longitude: 107.97543° W Surface: Latitude: 36.89298° N (NAD83) Longitude: 107.97125° W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 15, T31N, R11W API # 30-045-35368
14. Distance in Miles from Nearest Town 6 miles from Aztec	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 299'	17. Acres Assigned to Well 320.00 ACRES - E/2
16. Acres in Lease 2218.660	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 714' from Neil A 2A/MV	
19. Proposed Depth 7108	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5864' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: Arleen Kellywood Arleen Kellywood (Staff Regulatory Tech)	4/25/12 Date

PERMIT NO. APPROVAL DATE
APPROVED BY [Signature] TITLE AFM DATE 5/31/12

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 ES-0048 and ES-0085

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

NMOCD

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

ca JUN 15 2012

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

Hold C104
for Directional Survey
and "As Drilled" plat

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

RECEIVED

Form C-102
Revised July 10, 2010

DISTRICT II
1301 W. 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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate
District Office

Farmington Field Office
Bureau of Land Management

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35368	*Pool Code 72319/71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 38753	*Property Name NEIL A	*Well Number 2 B
*GRID No. 21787	*Operator Name CONOCOPHILLIPS COMPANY	*Elevation 5864'

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	15	31N	11W		299'	SOUTH	1930'	EAST	SAN JUAN

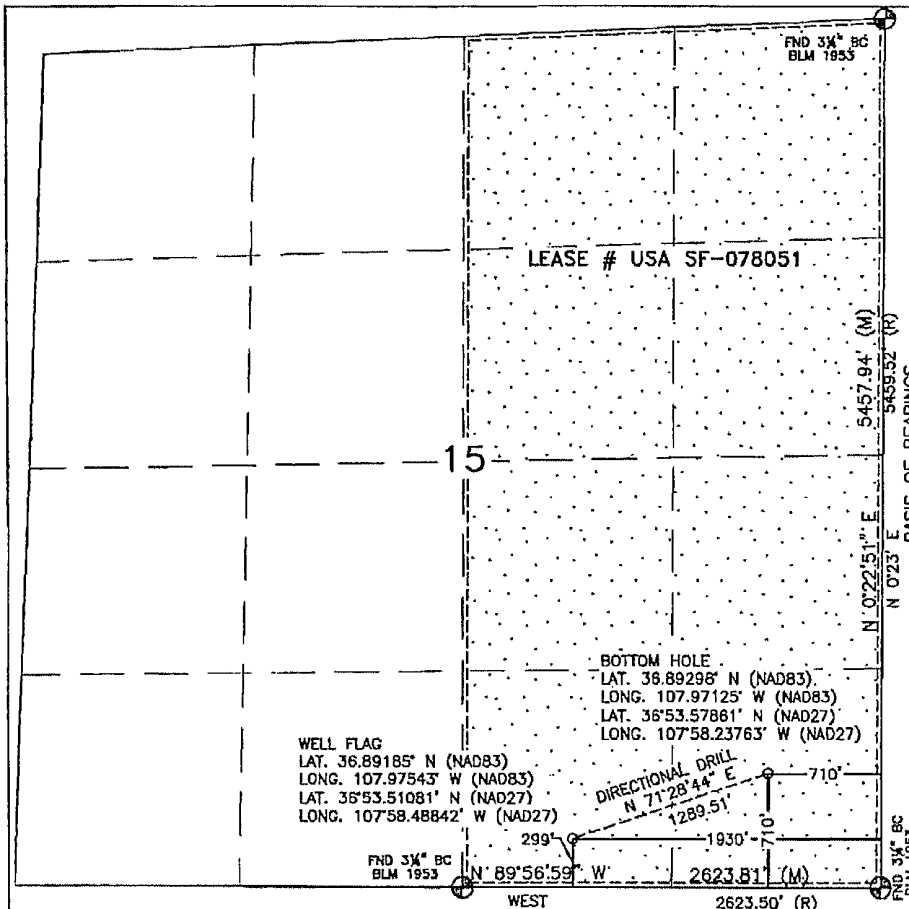
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	15	31N	11W		710'	SOUTH	710'	EAST	SAN JUAN

*Dedicated Acres 320.00 ACRES - E/2	*Joint or Infill	*Consolidation Code	*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

16



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

Arleen Kellywood 8/16/11
Signature Date

Arleen Kellywood

Printed Name

arleen.r.kellywood@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.

AUGUST 8, 2011

Date of Survey

Signature and Seal of Registered Surveyor



DAVID RUSSELL

Certificate Number

10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NEIL A 2B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.1091				AFE \$:	
Field Name: SAN JUAN		Rig: Aztec Rig 730		State: NM	County: SAN JUAN		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: 36.891847	Longitude: -107.974807	X:	Y:	Section: 15	Range: 011W		
Footage X: 1930 FEL	Footage Y: 299 FSL	Elevation: 5864	(FT)	Township: 031N			
Tolerance:							
Location: Bottom Hole		Datum Code: NAD 27				Directional	
Latitude: 36.892977	Longitude: -107.970627	X:	Y:	Section: 15	Range: 011W		
Footage X: 710 FEL	Footage Y: 710 FSL	Elevation:	(FT)	Township: 031N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5879 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5679		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	1008	4871		☐			
KIRTLAND	1073	4806		☐			
FRUITLAND	1924	3955		☐			Possible Gas
PICTURED CLIFFS	2540	3339		☐			
LEWIS	2689	3190		☐			
HUERFANITO BENTONITE	3223	2656		☐			
CHACRA	3599	2280		☐			
MASSIVE CLIFF HOUSE	4134	1745		☐	413		Gas; Cliffhouse is dry
MENEFEE	4330	1549		☐			
Intermediate Casing	4480	1399		☐		121	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1068 cuft. Circulate cement to surface.
POINT LOOKOUT	4763	1116		☐			
MANCOS	5116	763		☐			
UPPER GALLUP	6094	-215		☐			
GREENHORN	6792	-913		☐			
GRANEROS	6844	-965		☐			
TWO WELLS	6896	-1017		☐	2572		Gas
PAGUATE	6978	-1099		☐			
CUBERO	7014	-1135		☐			
ENCINAL	7073	-1194		☐		203	TD ~ T/ENCN + 35'

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NEIL A 2B

DEVELOPMENT

Total Depth	7108	-1229	☐	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 348 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒
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GR/CBL

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 Neil A #2B
Company:	ConocoPhillips SJB	TVD Reference:	KB @ 5879 0ft (AWS730)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	KB @ 5879 0ft (AWS730)
Site:	Other Named Wells	North Reference:	True
Well:	Neil A #2B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	APD Plan #1		

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

Site:	Other Named Wells				
Site Position:		Northing:	2,063,826.04 ft	Latitude:	36° 40' 18.848 N
From:	Lat/Long	Easting:	504,691.02 ft	Longitude:	107° 49' 2.415 W
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	0.01 °

Well:	Neil A #2B					
Well Position	+N/-S	0.0 ft	Northing:	2,143,926.42 ft	Latitude:	36° 53' 30.649 N
	+E/-W	0.0 ft	Easting:	458,629.09 ft	Longitude:	107° 58' 29.305 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,864.0 ft

Wellbore:	Original Hole				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	BGGM2011	4/13/2012	(°) 9.90	(°) 63.53	(nT) 50,679

Design:	APD Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	-80,038.5	46,184.4	330.80

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	
1,165.6	25.37	71.40	1,138.2	58.8	174.5	3.00	3.00	0.00	71.40	
3,316.5	25.37	71.40	3,081.8	352.7	1,047.9	0.00	0.00	0.00	0.00	
4,162.1	0.00	0.00	3,900.0	411.5	1,222.4	3.00	-3.00	0.00	180.00	Neil A 2B ICP Vertical
4,742.1	0.00	0.00	4,480.0	411.5	1,222.4	0.00	0.00	0.00	0.00	ICP
7,370.1	0.00	0.00	7,108.0	411.5	1,222.4	0.00	0.00	0.00	0.00	BHL

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJB
 Project: San Juan Basin - New Mexico West Wells
 Site: Other Named Wells
 Well: Neil A #2B
 Wellbore: Original Hole
 Design: APD Plan #1

Local Co-ordinate Reference: Well Neil A #2B
 TVD Reference: KB @ 5879 0ft (AWS730)
 MD Reference: KB @ 5879 0ft (AWS730)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

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	92,398.9	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	92,398.9	0.00	0.00	0.00
Surface Casing									
320.0	0.00	0.00	320.0	0.0	0.0	92,398.9	0.00	0.00	0.00
400.0	2.40	71.40	400.0	0.5	1.6	92,398.6	3.00	3.00	0.00
500.0	5.40	71.40	499.7	2.7	8.0	92,397.3	3.00	3.00	0.00
600.0	8.40	71.40	599.0	6.5	19.4	92,395.1	3.00	3.00	0.00
700.0	11.40	71.40	697.5	12.0	35.7	92,392.0	3.00	3.00	0.00
800.0	14.40	71.40	795.0	19.1	56.9	92,387.9	3.00	3.00	0.00
900.0	17.40	71.40	891.1	27.9	82.8	92,382.8	3.00	3.00	0.00
1,000.0	20.40	71.40	985.7	38.2	113.5	92,376.9	3.00	3.00	0.00
1,023.8	21.11	71.40	1,008.0	40.9	121.5	92,375.3	3.00	3.00	0.00
Ojo Alamo									
1,094.0	23.22	71.40	1,073.0	49.4	146.6	92,370.4	3.00	3.00	0.00
Kirtland									
1,100.0	23.40	71.40	1,078.5	50.1	148.9	92,370.0	3.00	3.00	0.00
1,165.6	25.37	71.40	1,138.2	58.8	174.5	92,365.0	3.00	3.00	0.00
1,200.0	25.37	71.40	1,169.3	63.5	188.5	92,362.3	0.00	0.00	0.00
1,300.0	25.37	71.40	1,259.7	77.1	229.1	92,354.4	0.00	0.00	0.00
1,400.0	25.37	71.40	1,350.0	90.8	269.7	92,346.6	0.00	0.00	0.00
1,500.0	25.37	71.40	1,440.4	104.5	310.3	92,338.7	0.00	0.00	0.00
1,600.0	25.37	71.40	1,530.8	118.1	350.9	92,330.8	0.00	0.00	0.00
1,700.0	25.37	71.40	1,621.1	131.8	391.5	92,322.9	0.00	0.00	0.00
1,800.0	25.37	71.40	1,711.5	145.5	432.1	92,315.1	0.00	0.00	0.00
1,900.0	25.37	71.40	1,801.8	159.1	472.7	92,307.2	0.00	0.00	0.00
2,000.0	25.37	71.40	1,892.2	172.8	513.3	92,299.3	0.00	0.00	0.00
2,035.2	25.37	71.40	1,924.0	177.6	527.6	92,296.5	0.00	0.00	0.00
Fruitland									
2,100.0	25.37	71.40	1,982.5	186.5	553.9	92,291.4	0.00	0.00	0.00
2,200.0	25.37	71.40	2,072.9	200.1	594.5	92,283.6	0.00	0.00	0.00
2,300.0	25.37	71.40	2,163.3	213.8	635.1	92,275.7	0.00	0.00	0.00
2,400.0	25.37	71.40	2,253.6	227.5	675.7	92,267.8	0.00	0.00	0.00
2,500.0	25.37	71.40	2,344.0	241.1	716.3	92,259.9	0.00	0.00	0.00
2,600.0	25.37	71.40	2,434.3	254.8	756.9	92,252.0	0.00	0.00	0.00
2,700.0	25.37	71.40	2,524.7	268.5	797.5	92,244.2	0.00	0.00	0.00
2,716.9	25.37	71.40	2,540.0	270.8	804.4	92,242.8	0.00	0.00	0.00
Pictured Cliffs									
2,800.0	25.37	71.40	2,615.1	282.1	838.1	92,236.3	0.00	0.00	0.00
2,881.8	25.37	71.40	2,689.0	293.3	871.4	92,229.8	0.00	0.00	0.00
Lewis									
2,900.0	25.37	71.40	2,705.4	295.8	878.8	92,228.4	0.00	0.00	0.00
3,000.0	25.37	71.40	2,795.8	309.5	919.4	92,220.5	0.00	0.00	0.00
3,100.0	25.37	71.40	2,886.1	323.2	960.0	92,212.7	0.00	0.00	0.00
3,200.0	25.37	71.40	2,976.5	336.8	1,000.6	92,204.8	0.00	0.00	0.00
3,300.0	25.37	71.40	3,066.8	350.5	1,041.2	92,196.9	0.00	0.00	0.00
3,316.5	25.37	71.40	3,081.8	352.7	1,047.9	92,195.6	0.00	0.00	0.00
3,400.0	22.86	71.40	3,158.0	363.6	1,080.2	92,189.3	3.00	-3.00	0.00
3,470.1	20.76	71.40	3,223.0	371.9	1,104.9	92,184.5	3.00	-3.00	0.00
Huerfano Bentonite									
3,500.0	19.86	71.40	3,251.1	375.2	1,114.7	92,182.6	3.00	-3.00	0.00
3,600.0	16.86	71.40	3,346.0	385.3	1,144.6	92,176.8	3.00	-3.00	0.00
3,700.0	13.86	71.40	3,442.4	393.8	1,169.7	92,172.0	3.00	-3.00	0.00
3,800.0	10.86	71.40	3,540.1	400.6	1,190.0	92,168.0	3.00	-3.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJBU
 Project: San Juan Basin - New Mexico West Wells
 Site: Other Named Wells
 Well: Neil A #2B
 Wellbore: Original Hole
 Design: APD Plan #1

Local Co-ordinate Reference: Well Neil A #2B
 TVD Reference: KB @ 5879 0ft (AWS730)
 MD Reference: KB @ 5879 0ft (AWS730)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

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)
3,859.8	9.07	71.40	3,599.0	403.9	1,199.8	92,166.1	3.00	-3.00	0.00
Chacra									
3,900.0	7.86	71.40	3,638.7	405.8	1,205.4	92,165.0	3.00	-3.00	0.00
4,000.0	4.86	71.40	3,738.1	409.3	1,215.9	92,163.0	3.00	-3.00	0.00
4,100.0	1.86	71.40	3,837.9	411.2	1,221.4	92,161.9	3.00	-3.00	0.00
4,162.1	0.00	0.00	3,900.0	411.5	1,222.4	92,161.7	3.00	-3.00	0.00
Neil A 2B ICP Vertical									
4,396.1	0.00	0.00	4,134.0	411.5	1,222.4	92,161.7	0.00	0.00	0.00
Massive Cliff House									
4,592.1	0.00	0.00	4,330.0	411.5	1,222.4	92,161.7	0.00	0.00	0.00
Menefee									
4,742.1	0.00	0.00	4,480.0	411.5	1,222.4	92,161.7	0.00	0.00	0.00
Int Casing - ICP									
5,025.1	0.00	0.00	4,763.0	411.5	1,222.4	92,161.7	0.00	0.00	0.00
Pt. Lookout									
5,378.1	0.00	0.00	5,116.0	411.5	1,222.4	92,161.7	0.00	0.00	0.00
Mancos Shale									
6,356.1	0.00	0.00	6,094.0	411.5	1,222.4	92,161.7	0.00	0.00	0.00
Gallup									
7,054.1	0.00	0.00	6,792.0	411.5	1,222.4	92,161.7	0.00	0.00	0.00
Greenhorn									
7,106.1	0.00	0.00	6,844.0	411.5	1,222.4	92,161.7	0.00	0.00	0.00
Graneros									
7,158.1	0.00	0.00	6,896.0	411.5	1,222.4	92,161.7	0.00	0.00	0.00
Two Wells									
7,240.1	0.00	0.00	6,978.0	411.5	1,222.4	92,161.7	0.00	0.00	0.00
Pauguate									
7,276.1	0.00	0.00	7,014.0	411.5	1,222.4	92,161.7	0.00	0.00	0.00
Cubero									
7,335.1	0.00	0.00	7,073.0	411.5	1,222.4	92,161.7	0.00	0.00	0.00
Encinal									
7,370.1	0.00	0.00	7,108.0	411.5	1,222.4	92,161.7	0.00	0.00	0.00
TD - Prod Casing - BHL									

Targets

Target Name	hit/miss target	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
ICP	- plan hits target center - Circle (radius 1.0)	0.00	0.00	4,480.0	411.5	1,222.4	2,144,336.06	459,851.97	36° 53' 34.717 N	107° 58' 14.258 W
BHL	- plan hits target center - Circle (radius 1.0)	0.00	0.00	7,108.0	411.4	1,222.4	2,144,336.02	459,851.98	36° 53' 34.717 N	107° 58' 14.258 W
Neil A 2B ICP Vertical	- plan hits target center - Point	0.00	0.00	3,900.0	411.5	1,222.4	2,144,336.08	459,852.00	36° 53' 34.717 N	107° 58' 14.258 W

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJB
 Project: San Juan Basin - New Mexico West Wells
 Site: Other Named Wells
 Well: Neil A #2B
 Wellbore: Original Hole
 Design: APD Plan #1

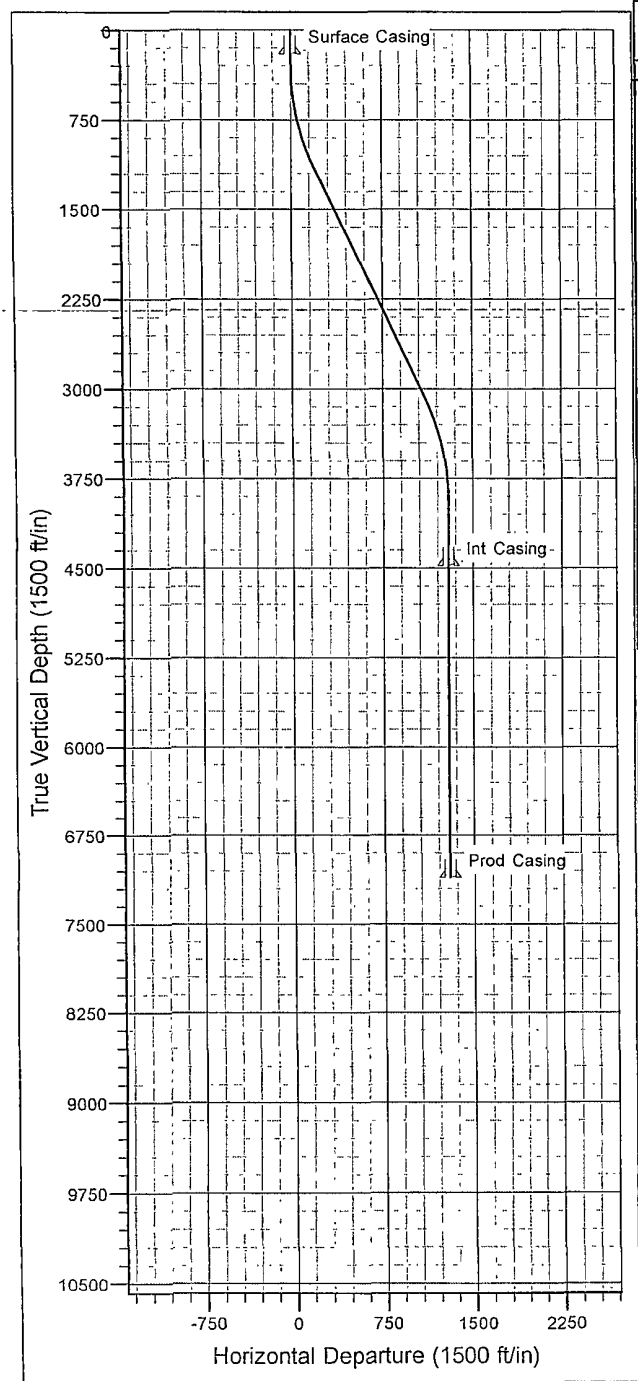
Local Co-ordinate Reference: Well Neil A #2B
 TVD Reference: KB @ 5879 0ft (AWS730)
 MD Reference: KB @ 5879 0ft (AWS730)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
7,370.1	7,108.0	Prod Casing	4-1/2	6-1/4	
200.0	200.0	Surface Casing	9-5/8	12-1/4	
4,742.1	4,480.0	Int Casing	7	8-3/4	

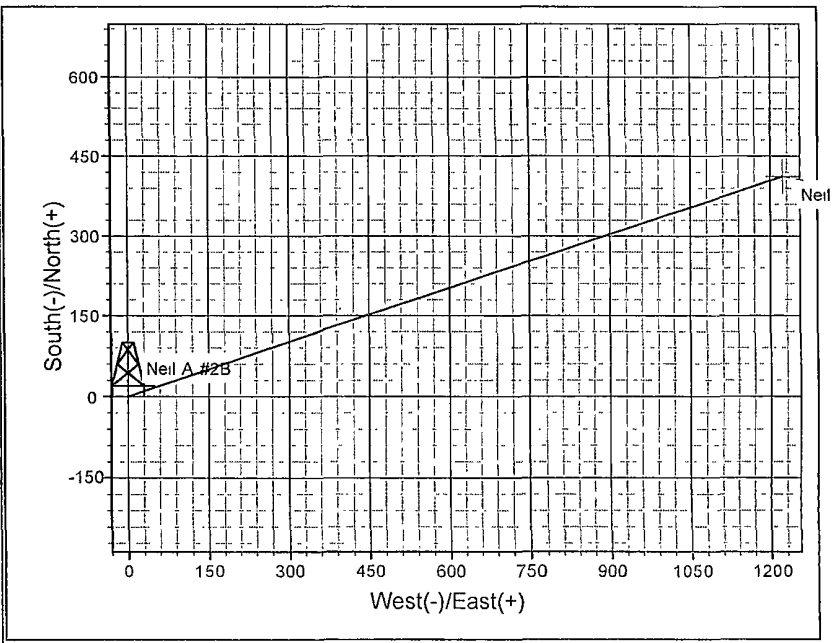
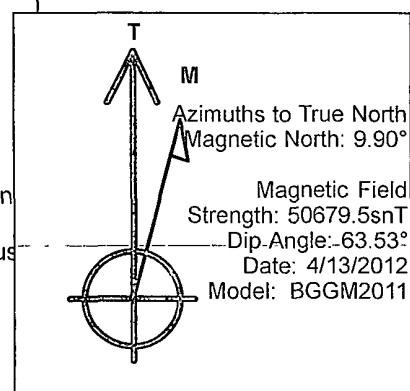
Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
6,356.1	6,094.0	Gallup		0.00		
7,335.1	7,073.0	Encinal		0.00		
7,240.1	6,978.0	Pauguate		0.00		
2,881.8	2,689.0	Lewis		0.00		
2,035.2	1,924.0	Fruitland		0.00		
1,023.8	1,008.0	Ojo Alamo		0.00		
4,396.1	4,134.0	Massive Cliff House		0.00		
3,859.8	3,599.0	Chacra		0.00		
7,054.1	6,792.0	Greenhorn		0.00		
7,158.1	6,896.0	Two Wells		0.00		
3,470.1	3,223.0	Huerfano Bentonite		0.00		
5,025.1	4,763.0	Pt. Lookout		0.00		
2,716.9	2,540.0	Pictured Cliffs		0.00		
5,378.1	5,116.0	Mancos Shale		0.00		
7,106.1	6,844.0	Graneros		0.00		
7,276.1	7,014.0	Cubero		0.00		
1,094.0	1,073.0	Kirtland		0.00		
4,592.1	4,330.0	Menefee		0.00		
7,370.1	7,108.0	TD		0.00		

REFERENCE INFORMATION KB @ 5879.0ft (AWS730) Ground Elevation 5864.0 Reference Lat: 36° 53' 30.649 N Reference Long: 107° 58' 29.305 W	Project: San Juan Basin - New Mexico West V Site: Other Named Wells Well: Neil A #2B Vellbore: Original Hole Design: APD Plan #1
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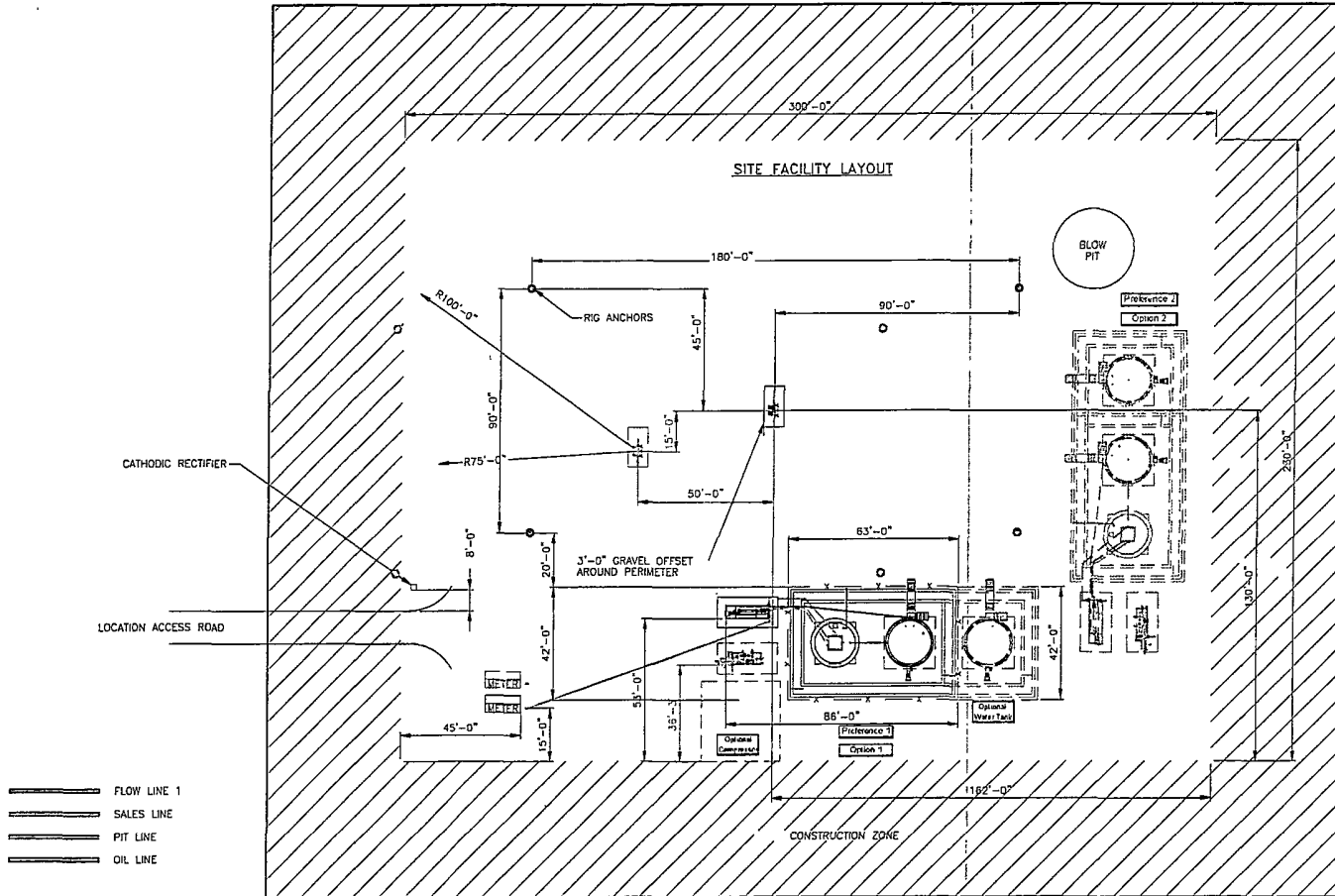
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	92398.9	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	92398.9	
3	1165.6	25.37	71.40	1138.2	58.8	174.5	3.00	71.40	92365.0	
4	3316.5	25.37	71.40	3081.8	352.7	1047.9	0.00	0.00	92195.6	
5	4162.1	0.00	0.00	3900.0	411.5	1222.4	3.00	180.00	92161.7	Neil A 2B ICP Vertical
6	4742.1	0.00	0.00	4480.0	411.5	1222.4	0.00	0.00	92161.7	ICP
7	7370.1	0.00	0.00	7108.0	411.5	1222.4	0.00	0.00	92161.7	BHL



FORMATION TOP DETAILS		
VDPPath	MDPath	Formation
1008.0	1023.8	Ojo Alamo
1073.0	1094.0	Kirtland
1924.0	2035.2	Fruitland
2540.0	2716.9	Pictured Cliffs
2689.0	2881.8	Lewis
3223.0	3470.1	Huerfano Benton
3599.0	3859.8	Chacra
4134.0	4396.1	Massive Cliff House
4330.0	4592.1	Menefee
4763.0	5025.1	Pt. Lookout
5116.0	5378.1	Mancos Shale
6094.0	6356.1	Gallup
6792.0	7054.1	Greenhorn
6844.0	7106.1	Graneros
6896.0	7158.1	Two Wells
6978.0	7240.1	Pauguate
7014.0	7276.1	Cubero
7073.0	7335.1	Encinal
7108.0	7370.1	TD



SHEET 1 OF 5
3/14/2012 12:26:55 PM gseeds



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

SHEET 1 OF 5

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100											ENGINEERING REVIEW			REFERENCE DRAWINGS		ConocoPhillips		CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT			
											DISCIPLINE REVIEWED DATE			NO. DESCRIPTION				CLIENT NO. CLIENT APPR. APPR. DATE			
											PROCESS					DRAWN BY SCALE: NONE CREATION DATE 8/20/07					
											MECHANICAL					DWG. NO. HP3PHASE-REV1 SHEET NO. 1 OF 5					
											PIPING										
											ELECTRICAL										
											I & C										
											CIVIL/STRUCTURAL										
										PROJECT											
DESCRIPTION										DATE	BY	CHK'D	ENG	ISC	PRJ	SAN JUAN BUSINESS UNIT					

gseeds, S:\p100\gseeds\EP100\STD PROJ 005B ARCHIVES\UES_HP3phase-REV1.dwg, 03/14/2012 12:26:55 PM

CONOCOPHILLIPS COMPANY

NEIL A #2 B
299' FSL & 1930' FEL
LOCATED IN THE SW/4 SE/4 OF SECTION 15,
T31N, R11W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM POST OFFICE IN AZTEC, HEAD NORTH ON HWY 550 TO THE INTERSECTION OF HWY AND HWY 516.
- 2) TURN LEFT ONTO HWY 516 AND GO 0.5 MILES TO RUINS ROAD.
- 3) TURN RIGHT ONTO RUINS ROAD AND GO 4.1 MILES.
- 4) TURN LEFT AND GO 0.6 MILES TO "Y" INTERSECTION.
- 5) STAY LEFT AND GO 0.1 MILES.
- 6) TURN RIGHT AND GO 0.2 MILES.
- 7) TURN RIGHT AND GO 0.3 MILES TO WELL PAD.
- 8) TURN RIGHT AND GO 0.4 MILES.
- 9) TURN RIGHT ON 2-TRACK AND GO 0.1 MILES TO FLAGGED ACCESS ON LEFT.

WELL FLAG LOCATED AT LAT. 36.89185° N, LONG. 107.97543° W (NAD 83).

JOB No.: COPC444
DATE: 08/08/11



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