



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	5. Lease Number SF-078146 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips Company	7. Unit Agreement Name RCVD DEC 16 '09 OIL CONS. DIV. DIST. 3	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Newberry A 9. Well Number 4N	
4. Location of Well Surf: Unit P(SESE), 863' FSL & 968' FEL Surf: Latitude: 36.9371742° N (NAD83) Longitude: 108.0769607° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) p Sec. 34, T32N, R12W API # 30-045-35060	
14. Distance in Miles from Nearest Town 11 miles / Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 863'		
16. Acres in Lease 2,240.00	 H ₂ S POTENTIAL EXIST	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 846' from Newberry LS 1A (MV)		
19. Proposed Depth 7398'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6216' GL	22. Approx. Date Work will Start 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	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by:  Crystal Tafoya (Regulatory Technician)	Date 12/4/2009	

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

ES0085

JAN 04 2010

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

NMOCD

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
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, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, N.M. 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

API Number 30-045 - 355000		Pool Code 72319/71599	Pool Name Blanco MESA VERDE / DAKOTA
Property Code 31840	Property Name NEWBERRY A		Well Number 4N
OGRID No. 217817	Operator Name CONOCOPHILLIPS COMPANY		Elevation 6216

10 Surface Location

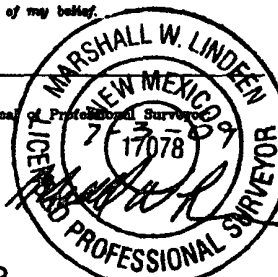
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	34	32 N	12 W		863	SOUTH	968	EAST	SAN JUAN

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									

Dedicated Acres 320.00 (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

18 S 89°09'12" E 2644.86'	2612.01'	S 89°09'37" E 2614.20'	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 pooling agreement or a compulsory pooling order heretofore entered by the division. Signature <u>Tracey N. Monroe</u> Date <u>7/8/09</u> Printed Name <u>Tracey N. Monroe</u>
N 0°06'18" W		USA SF-078146	
2676.22'			
N 0°27'34" W			
N 87°12'55" W 2621.54'		N 89°38'55" W 2619.11'	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. Date of Survey <u>6/11/09</u> Signature and Seal of Professional Surveyor  Certificate Number <u>17078</u>

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NEWBERRY A 4N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9103		AFE \$: 1,489,630.04	
Field Name: SAN JUAN		Rig: H&P Rig 282		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
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		Straight Hole	
Latitude: 36.937172	Longitude: -108.076334	X:	Y:	Section: 34	Range: 012W
Footage X: 968 FEL	Footage Y: 863 FSL	Elevation: 6216 (FT)	Township: 032N		
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2010	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6230	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	6030	<input type="checkbox"/>			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	697	5533	<input type="checkbox"/>			
KIRTLAND	738	5492	<input type="checkbox"/>			
FRUITLAND	1988	4242	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2704	3526	<input type="checkbox"/>			
LEWIS	2865	3365	<input type="checkbox"/>			
HUERFANITO BENTONITE	3382	2848	<input type="checkbox"/>			
CHACRA	3812	2418	<input type="checkbox"/>			
UPPER CLIFF HOUSE	4325	1905	<input type="checkbox"/>			Gas; Est. Top Perf - 4327 (1903)
MASSIVE CLIFF HOUSE	4335	1895	<input type="checkbox"/>	820		Gas
MENEFEE	4557	1673	<input type="checkbox"/>			
Intermediate Casing	4707	1523	<input type="checkbox"/>			8 3/4" Hole. 7", 20/23 ppf, J-55, STC/LTC Casing. Cement with 1061 cuft. Circulate cement to surface.
POINT LOOKOUT	5012	1218	<input type="checkbox"/>			
MANCOS	5416	814	<input type="checkbox"/>			
UPPER GALLUP	6366	-136	<input type="checkbox"/>			
GREENHORN	7084	-854	<input type="checkbox"/>			
GRANEROS	7132	-902	<input type="checkbox"/>			
TWO WELLS	7188	-958	<input type="checkbox"/>	1300		Gas
PAGUATE	7268	-1038	<input type="checkbox"/>			
LOWER CUBERO	7296	-1066	<input type="checkbox"/>			Est. Btm Perf - 7378 (-1148) based on offset wells
ENCINAL	7348	-1118	<input type="checkbox"/>			TD - 50' below T/ENCN
Total Depth	7398	-1168	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, L/N-80, LTC casing. Cement w/ 371 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Decker-A 2-E	31N 12W 3 SE NW NE

PROJECT PROPOSAL - New Drill / Sidetrack

NEWBERRY A 4N

DEVELOPMENT

Production	Newberry-A 4	32N 12W 34 SE NW SE
Production	Newberry 15	32N 12W 34 SE NW SE
Production	Newberry 1-A	32N 12W 34 NE SW SE

Logging Program:

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

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

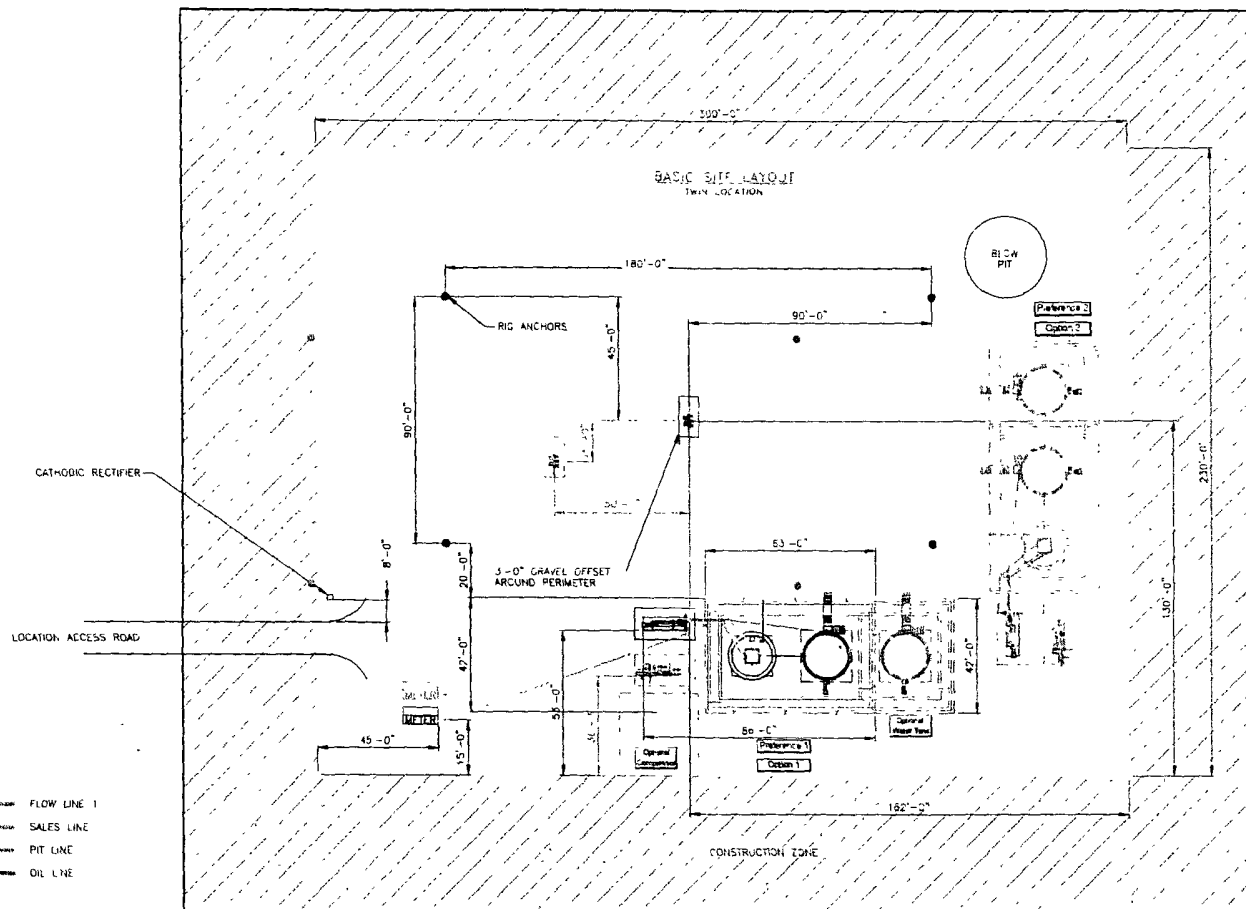
Cased Hole GR / CBL

Mudlog from 100' above top of GRHN to TD - mudlogger will call TD.

Consider running GSL to evaluate ENCN

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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FLOW LINE 1
 SALES LINE
 PIT LINE
 OIL LINE

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

SHEET 1 OF 5

NO.	DESCRIPTION	DATE	BY	CHKD	LNC	DSC	PRJ	ENGINEERING REVIEW			REFERENCE DRAWINGS		CLIENT NO.	CLIENT NAME	ISSUE DATE	DRAWN BY	SCALE	TOLERANCE DATE	SHEET NO.	TOTAL SHEETS
								DESIGNED	REVIEWED	SAT	NO	DESCRIPTION								
								PROCESS												
								MECHANICAL												
								PUMP												
								ELECTRICAL												
								I & C												
								CIVIL/STRUCTURAL												
								PROJECT												

ConocoPhillips

SAN JUAN BUSINESS UNIT

CONOCO-PHILLIPS
 HIGH PRESSURE 3 PHASE
 FACILITY DIAGRAM- SITE LAYOUT

HP3PHASE-REV1
 11 OF 5

H:\Projects\San Juan Business Unit\San Juan Business Unit Location Site Layout.dwg, 06/28/2007 - 02:39pm

CONOCOPHILLIPS COMPANY

NEWBERRY A 4N

863' FSL & 968' FEL

LATITUDE: 36.9371742° N

LONGITUDE: 108.0769607° W

NAD 83

SECTION 34, T-32-N, R-12-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXCIO

**FROM THE INTERSECTION OF NEW MEXICO STATE HIGHWAY 516 AND
NORTH LIGHT PLANT ROAD IN AZTEC, NEW MEXICO.**

TRAVEL NORTHWESTERLY ON NORTH LIGHT PLANT ROAD FOR 8.4 MILES.

TURN RIGHT ONTO COUNTY ROAD 1350 AND

TRAVEL NORTHERLY FOR 1.5 MILES.

TURN RIGHT AND TRAVEL NORTHEASTERLY 0.6 MILE

**TURN RIGHT AND TRAVEL SOUTHERLY 0.2 MILE TO PROPOSED
NEWBERRY A 4N ACCESS ROUTE**