

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 08 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office
Bureau of Land Management

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-077111 Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator ConocoPhillips Company		7. Unit Agreement Name NMNM-73145-MV NMNM-76084-DK
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Storey Com C 9. Well Number 4N
4. Location of Well Surface: Unit J(NWSE), 1743' FSL & 1850' FEL Surface: Latitude: 36.65958° N (NAD83) Longitude: 107.77336° W		10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Unit J, Sec. 15, T28N, R9W API # 30-045-35275
14. Distance in Miles from Nearest Town 9 miles from Blanco, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1743'	RCVD OCT 31 '11 BLM CONS. DIV. DIST. 3	
16. Acres in Lease 2575.130 acres	17. Acres Assigned to Well 320.00 acres - E/2	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1304' from Storey Com C 4 (MV/DK)		
19. Proposed Depth 6797'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5930' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Dollie L. Busse</u> Dollie L. Busse (Staff Regulatory Tech)	Date <u>April 6, 2011</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY D. Montoya

TITLE AFM

DATE 10/27/11

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".

NOV 07 2011

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

PC

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 35275	² Pool Code 72319/71599	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 31849	⁵ Property Name STOREY COM C	⁶ Well Number 4N
⁷ GRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 5930'

¹⁰ Surface Location

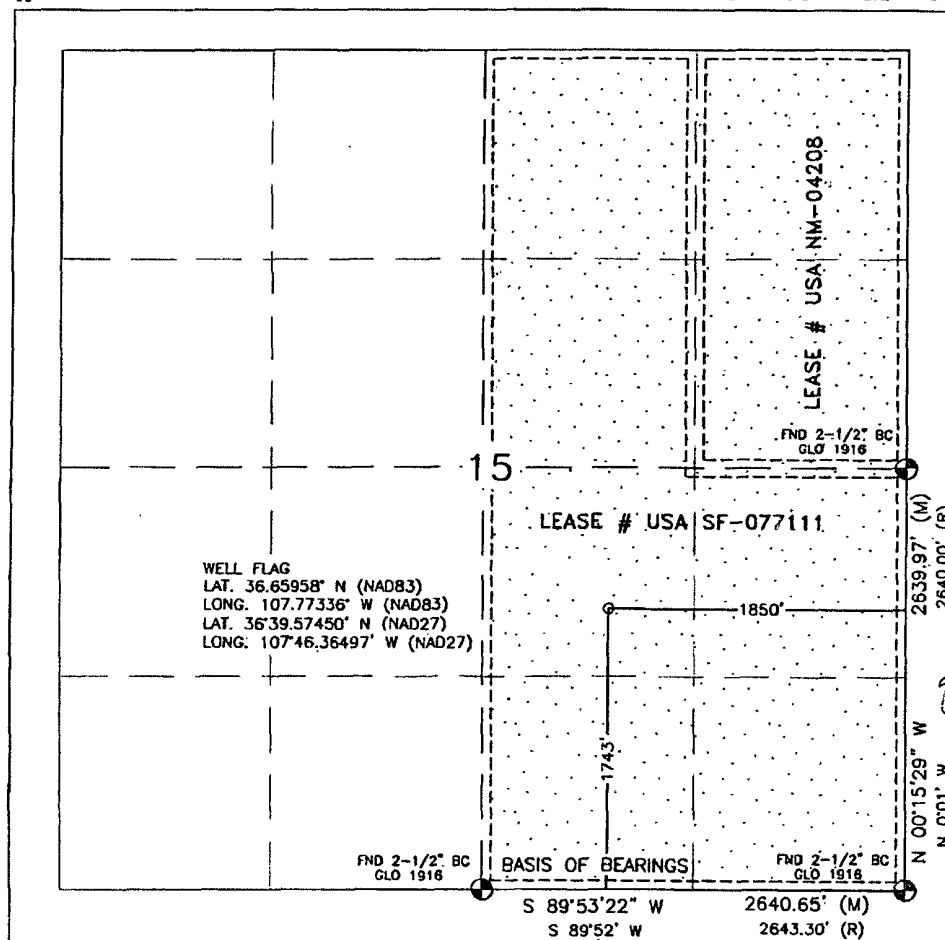
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	15	28N	9W		1743'	SOUTH	1850'	EAST	SAN JUAN

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
J									
¹² Dedicated Acres 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

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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 or a compulsory pooling order heretofore entered by the division.

Brandie Blakley
Signature Date

Brandie Blakley 9-8-10
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.

AUGUST 19, 2010

Date of Survey

Signature and Seal of Professional Surveyor:

David Russell
DAVID RUSSELL
10201
Certificate Number

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

STOREY COM C 4N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0075				AFE \$: 888,950.00	
Field Name: SAN JUAN		Rig: Aztec Rig 673		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)						
R20002	MESAVERDE(R20002)						
Location: Surface Datum Code: NAD 27 Straight Hole							
Latitude: 36.659573		Longitude: -107.772745		X:	Y:	Section: 15	Range: 009W
Footage X: 1850 FEL		Footage Y: 1743 FSL		Elevation: 5930 (FT)		Township: 028N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2014		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5945 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5745		☐			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	1183	4762		☐			
KIRTLAND	1321	4624		☐			
FRUITLAND	1758	4187		☐			Possible Gas
PICTURED CLIFFS	2241	3704		☐			
LEWIS	2399	3546		☐			
CHACRA	3197	2748		☐			
UPPER CLIFF HOUSE	3843	2102		☐			Gas; Cliff House is wet
MASSIVE CLIFF HOUSE	3907	2038		☐	444		Gas
MENEFEE	3937	2008		☐			Est. Top Perf - 4137 (1808)
Intermediate Casing	4087	1858		☐		135	8 3/4" Hole. 7", 20/23 ppf, J-55, STC/LTC Casing. Cement with 921 cuft. Circulate cement to surface.
POINT LOOKOUT	4523	1422		☐			
MANCOS	4870	1075		☐			
UPPER GALLUP	5693	252		☐			
GREENHORN	6457	-512		☐			
GRANEROS	6524	-579		☐			
TWO WELLS	6586	-641		☐	2283		Gas
PAGUATE	6642	-697		☐			
LOWER CUBERO	6691	-746		☐			Est. Btm Perf - 6777 (- 832) based on offset wells
UPPER CUBERO	6691	-746		☐			
ENCINAL	6757	-812		☐			TD - 40' below T/ENCN
Total Depth	6797	-852		☐		188	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 373 cuft. Circulate cement a minimum of 100' inside the previous casing string.
Reference Wells:							
Reference Type	Well Name		Comments				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

STOREY COM C 4N

DEVELOPMENT

Production	Jackson 3E	28N 9W 10 SE SW SW
Production	Storey Com C 4E	28N 9W 15 NE SW NE
Production	McCulley 4	28N 9W 14 SW NE SW

Logging Program:

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

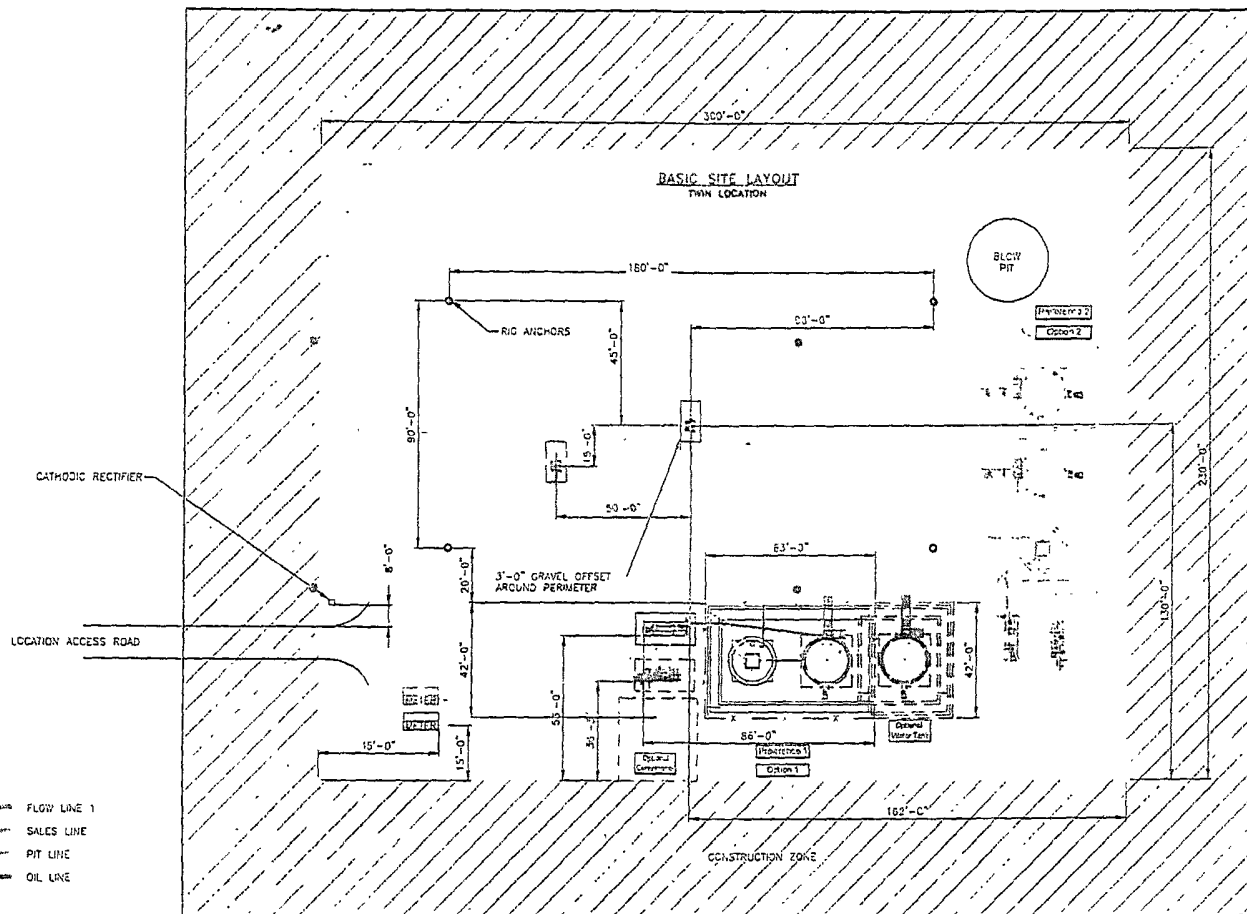
TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

Cased Hole GR / CBL

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

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 PAVE DIVISIONS
ALL UNDERGROUND PIPE IS TO BE BURIED 4' MIN. OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS		 CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT			CLD 10-11-10 SHEET 01 DATE 10-11-10			CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT			
										DISCIPLINE	REVIEWED	DATE	NO	DESCRIPTION										
										PROCESS														
										MECHANICAL														
										PAVE														
										ELECTRICAL														
										INSTRUMENTATION														
										CONSTRUCTION														
										PROJECT														
DESCRIPTION										DATE	BY	CHK'D	ENG	DATE	PRJ									

ADDRESS: 3150 Highway 100, San Juan, NM 87901

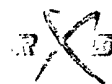
CONOCOPHILLIPS COMPANY
STOREY COM C #4N
1743' FSL & 1850' FEL
LOCATED IN THE NW/4 SE/4 OF SECTION 15,
T28N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM POST OFFICE IN BLANCO, TRAVEL EAST ON HWY 64 FOR 1.3 MILES TO C.R. 4450 (LARGO CANYON ROAD).
- 2) TURN LEFT ONTO C.R. 4450 AND TRAVEL 5.0 MILES.
- 3) TURN RIGHT AND CROSS THE BRIDGE.
- 4) TURN LEFT AND CONTINUE ON C.R. 4450 FOR 0.5 MILES.
- 5) TURN RIGHT AND TRAVEL 2.0 MILES.
- 6) TURN LEFT AND TRAVEL 500' TO THE FLAGGED ACCESS ON THE LEFT.

WELL FLAG LOCATED AT LAT. 36.65958° N, LONG. 107.77336° W (NAD 83).

JOB No.: COPC394
DATE: 08/25/10



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