

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

RCVD AUG 2 '10
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

JUN 17 2010

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 NM-012708 Bureau of Land Management Unit Reporting Number 7440-000
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator ConocoPhillips Company		7. Unit Agreement Name MV-NmNm-73414 DK requires CA
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Florance 9. Well Number 11B
4. Location of Well Surf: Unit H(SENSE), 1409' FNL & 633' FEL BHL: Unit H(SENSE), 2300' FNL, 780' FEL Surf: Latitude: 36.78518° N (NAD83) Longitude: 107.70823° W Bottomhole: Latitude: 36.782774° N (NAD83) Longitude: 107.70909° W		10. Field, Pool, Wildcat Basin Dakota Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) SH - Sec. 30, T30N, R8W BH - Sec. 30, T30N, R8W API # 30-045- 35176
14. Distance in Miles from Nearest Town 9 miles from Blanco	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 633'		
16. Acres in Lease 904.31	17. Acres Assigned to Well 299.25 (MV/DK) E/2 290.69 CM	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 210' from DH-Florance 11 (MV)		
19. Proposed Depth 7064'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5812' 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>May 24, 2010</u>	

PERMIT NO.

APPROVAL DATE

for Directional Survey
and "As Drilled" plat

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 ES-0048 and ES-0085

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

AUG 06 2010

NMDCD

Hold C104

for Directional Survey
and "As Drilled" plat

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

PC

RECEIVED

JUN 17 2010

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

Bureau of Land Management
Submit 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

DISTRICT IV
1880 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 35176	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 31729	⁵ Property Name FLORANCE	⁶ Well Number 11 B
⁷ COORD No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 5812'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
H	30	30N	8W	7	1409'	NORTH	633'	EAST	SAN JUAN

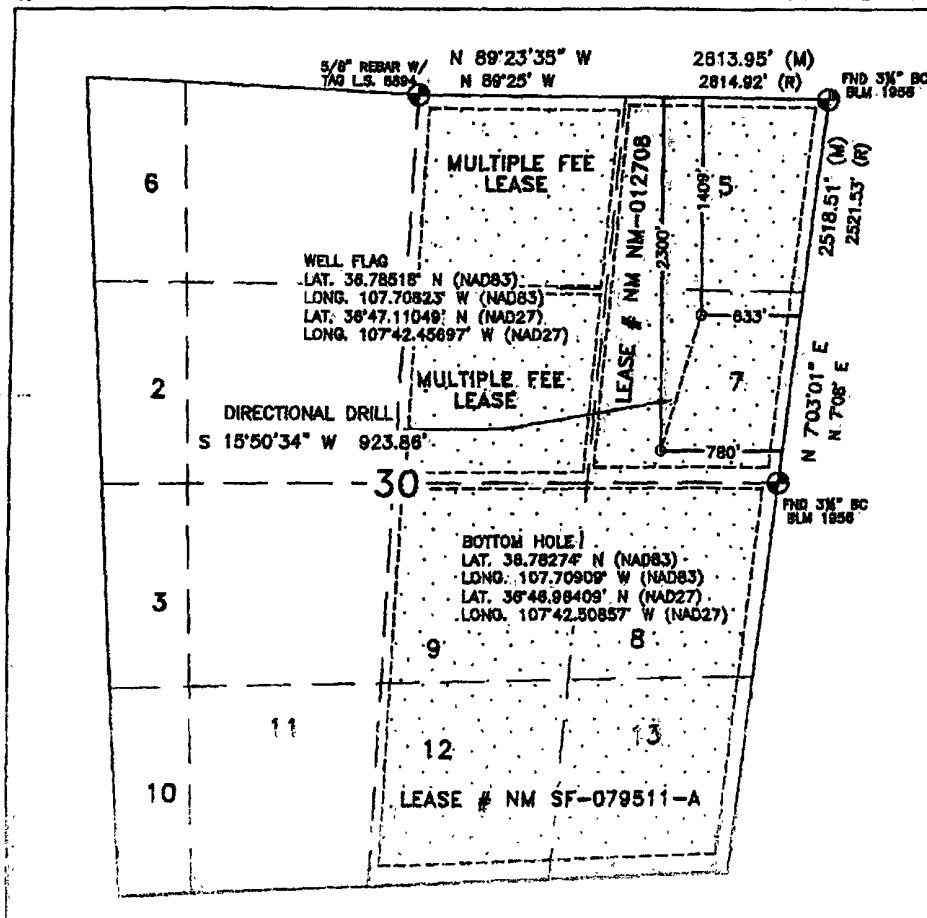
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
H	30	30N	8W	7	2300'	NORTH	780'	EAST	SAN JUAN

¹² Dedicated Acres 290.69 - 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

10



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 undivided 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 Tafuya 4/16/09
Signature Date

Crystal Tafuya 4-16-09
Printed Name

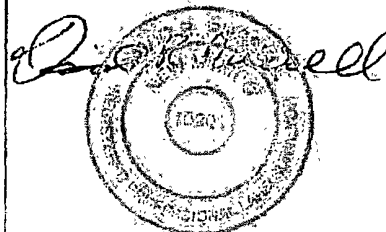
¹⁸ SURVEYOR CERTIFICATION

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.

FEBRUARY 26, 2009

Date of Survey

Signature and Seal of Professional Surveyor:



DAVID RUSSELL

Certificate Number

10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

FLORANCE 11B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9014				AFE \$: 896,057.91	
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: 36.785175	Longitude: -107.707616	X:	Y:	Section: 30		Range: 008W	
Footage X: 633 FEL	Footage Y: 1409 FNL	Elevation: 5812	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.782735	Longitude: -107.708476	X:	Y:	Section: 30		Range: 008W	
Footage X: 780 FEL	Footage Y: 2300 FNL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5822 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	5622	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.	
OJO ALAMO	1322	4500	☐				
KIRTLAND	1509	4313	☐				
FRUITLAND	1962	3860	☐			Possible Gas	
PICTURED CLIFFS	2507	3315	☐				
LEWIS	2612	3210	☐				
Intermediate Casing	3200	2622	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 763 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3222	2600	☐				
CHACRA	3503	2319	☐			Lively 25M (NE29-30-8) had water at start of drilling prod hole - had to abandon DK.	
MASSIVE CLIFF HOUSE	4159	1663	☐	296		Gas	
MENEFEE	4299	1523	☐				
POINT LOOKOUT	4710	1112	☐				
MANCOS	5097	725	☐				
UPPER GALLUP	5996	-174	☐				
GREENHORN	6708	-886	☐				
GRANEROS	6764	-942	☐				
TWO WELLS	6813	-991	☐	3346		Gas	
PAGUATE	6911	-1089	☐				
UPPER CUBERO	6945	-1123	☐				
LOWER CUBERO	6973	-1151	☐				
ENCINAL	7034	-1212	☐				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

FLORANCE 11B

DEVELOPMENT

Total Depth	7064	-1242	☐	6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 660 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:

Reference Type	Well Name	Comments
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Logging Program:

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

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

Mudlog from ~100' above the Greenhorn to TD. Mudloggers will call final TD. Est bottom perf ~20' above the est 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 Florance #11B
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 5822.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 5822.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Florance #11B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

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)	
Massive Cliffhouse										
4,487.5	0.00	0.00	4,299.0	-888.3	-251.9	923.4	0.00	0.00	0.00	
Menefee										
4,898.5	0.00	0.00	4,710.0	-888.3	-251.9	923.4	0.00	0.00	0.00	
Pt. Lookout										
5,285.5	0.00	0.00	5,097.0	-888.3	-251.9	923.4	0.00	0.00	0.00	
Mancos Shale										
6,184.5	0.00	0.00	5,996.0	-888.3	-251.9	923.4	0.00	0.00	0.00	
Gallup										
6,896.5	0.00	0.00	6,708.0	-888.3	-251.9	923.4	0.00	0.00	0.00	
Greenhorn										
6,952.5	0.00	0.00	6,764.0	-888.3	-251.9	923.4	0.00	0.00	0.00	
Graneros										
7,001.5	0.00	0.00	6,813.0	-888.3	-251.9	923.4	0.00	0.00	0.00	
Two Wells										
7,099.5	0.00	0.00	6,911.0	-888.3	-251.9	923.4	0.00	0.00	0.00	
Paguate										
7,133.5	0.00	0.00	6,945.0	-888.3	-251.9	923.4	0.00	0.00	0.00	
Upper Cubero										
7,161.5	0.00	0.00	6,973.0	-888.3	-251.9	923.4	0.00	0.00	0.00	
Lower Cubero										
7,222.5	0.00	0.00	7,034.0	-888.3	-251.9	923.4	0.00	0.00	0.00	
Encinal										
7,252.5	0.00	0.00	7,064.0	-888.3	-251.9	923.4	0.00	0.00	0.00	
Prod - Florance #11B - PCP										

Targets										
Target Name	hit/miss target	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Florance #11B - PCP		0.00	0.00	7,064.0	-888.3	-251.9	2,104,197.42	536,563.64	36° 46' 57.846 N	107° 42' 30.515 W
- plan hits target center										
- Point										
Florance #11B - ICP		0.00	0.00	3,200.0	-888.3	-251.9	2,104,197.37	536,563.68	36° 46' 57.845 N	107° 42' 30.514 W
- plan hits target center										
- Point										

REFERENCE INFORMATION

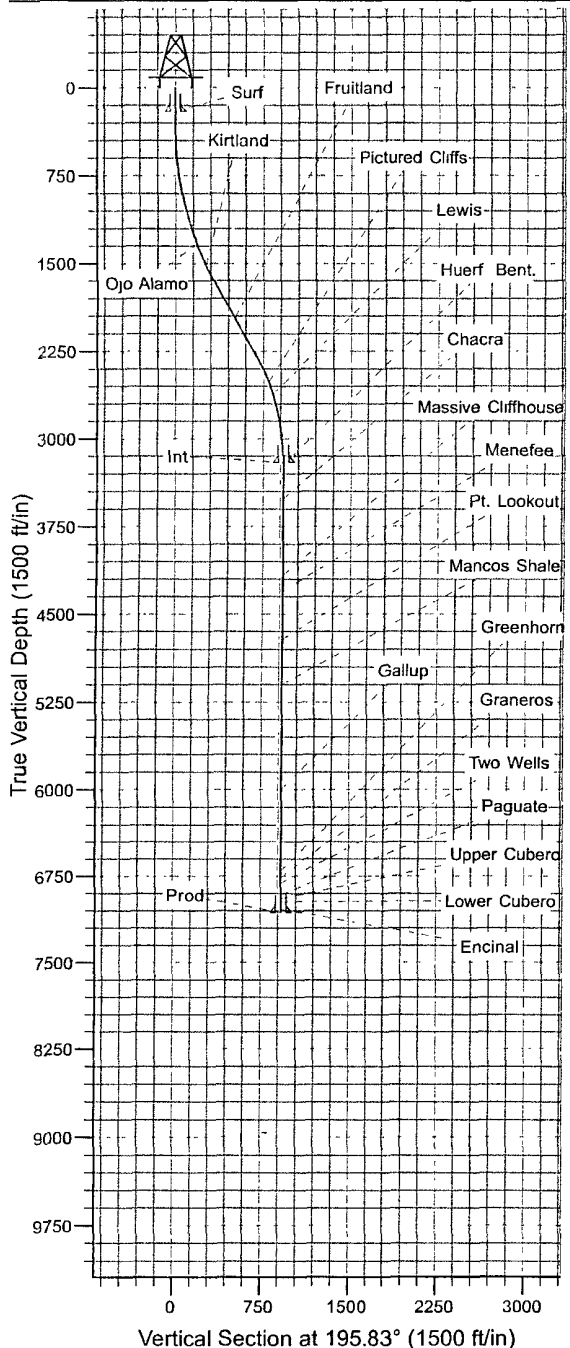
RKB @ 5822.0ft (Original Well Elev)
Ground Elevation 5807.0
Reference Lat: 36° 47' 6.629 N
Reference Long: 107° 42' 27.418 W

Project: San Juan Basin - New Mexico Wells
Site: Other Named Wells
Well: Florance #11B
Wellbore: Principal Wellbore
Design: Plan #1



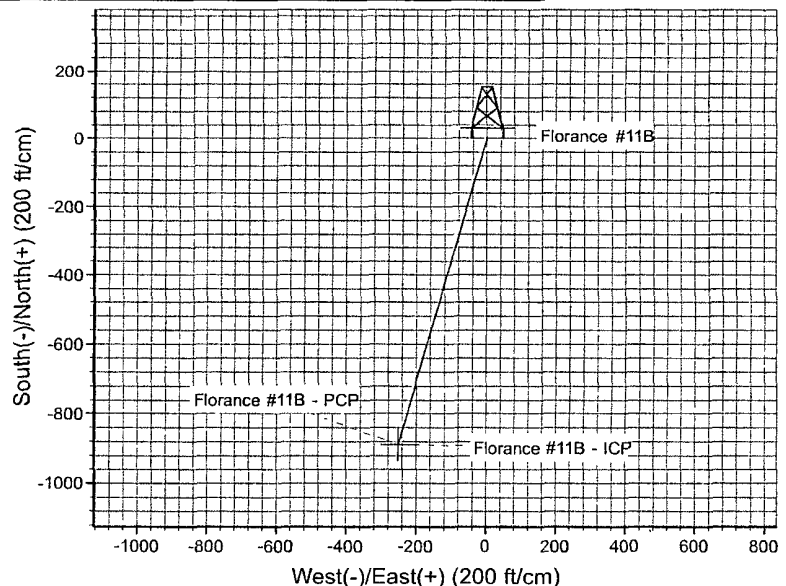
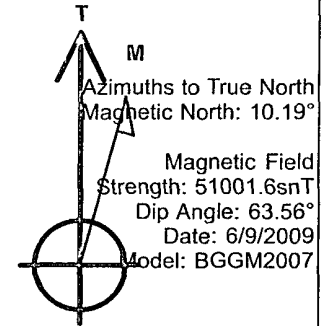
SECTION DETAILS

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	1816.7	29.93	195.83	1749.5	-367.7	-104.2	2.00	195.83	382.1	
4	2390.7	29.93	195.83	2247.0	-643.2	-182.4	0.00	0.00	668.6	
5	3388.5	0.00	0.00	3200.0	-888.3	-251.9	3.00	180.00	923.4	Florance #11B - ICP
6	7252.5	0.00	0.00	7064.0	-888.3	-251.9	0.00	0.00	923.4	Florance #11B - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1322.0	1343.6	Ojo Alamo
1509.0	1546.1	Kirtland
1962.0	2061.9	Fruitland
2507.0	2679.3	Pictured Cliffs
2612.0	2790.8	Lewis
3222.0	3410.5	Huerf. Bent.
3503.0	3691.5	Chacra
4159.0	4347.5	Massive Cliffhouse
4299.0	4487.5	Menefee
4710.0	4898.5	Pt. Lookout
5097.0	5285.5	Mancos Shale
5996.0	6184.5	Gallup
6708.0	6896.5	Greenhorn
6764.0	6952.5	Graneros
6813.0	7001.5	Two Wells
6911.0	7099.5	Paguete
6945.0	7133.5	Upper Cubero
6973.0	7161.5	Lower Cubero
7034.0	7222.5	Encinal



CONOCOPHILLIPS COMPANY

FLORANCE #11 B
1409' FNL & 633' FEL
LOCATED IN THE SE/4 NE/4 OF SECTION 30,
T30N, R8W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM BLANCO POST OFFICE, HEAD EAST ON HWY 64 FOR 2.4 MILES.
- 2) TURN LEFT ONTO HWY 511, GO NORTH FOR 6.2.
- 3) TURN RIGHT, ACROSS CATTLE GUARD, & GO 0.2 MILES.
- 4) TURN LEFT, AFTER CATTLE GUARD, & GO 0.1 MILES, WHERE WELL IS CO-LOCATED WITH PLUGGED & ABANDONED LOCATION.

WELL FLAG LOCATED AT LAT. 36.78518° N, LONG. 107.70823° W (NAD 83).

JOB No.: COPC299
DATE: 03/04/09



Russell Surveying
1408 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-9517