

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

DEC 22 2009

1a. Type of Work DRILL	5. Lease Number SF-079511-A and Management Unit Reporting Number <u>0102</u>	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips Company	7. Unit Agreement Name RCVD JAN 8 '10 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 Florance 9. Well Number 11C	
4. Location of Well Surf: Unit O(SWSE), 590' FSL & 2085' FEL Bottomhole: Unit P(SESE), 702' FSL & 808' FEL Surf: Latitude: 36.77670° N (NAD83) Longitude: 107.71448° W Bottomhole: Latitude: 36.77715° N (NAD83) Longitude: 107.71005° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 30, T30N, R8W API # 30-045-35079	
14. Distance in Miles from Nearest Town 9 miles / Blanco	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 590'		
16. Acres in Lease 1,273,980	17. Acres Assigned to Well 390.69 - E/2 (MV/DK)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 970' from Howell M 1 (MV)		
19. Proposed Depth 7078' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5812' GL	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date <u>12/22/2009</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 1/7/2010

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

Hold C104

for Directional Survey
and "As Drilled" plat

JAN 08 2010

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATION ON FEDERAL AND INDIAN LANDS

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

DISTRICT I
1025 N. French Dr., Hobbs, N.M. 80240

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

RECEIVED

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

OIL CONSERVATION DIVISION

DEC 22 2009

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

Bureau of Land Management
Farmington Field Office
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-35079		Pool Code 71599/72319	Pool Name BASIN DAKOTA / BLANCO MESAVERDE
Property Code 31729	Property Name FLORANCE		Well Number 11 C
GRID No. 217817	Operator Name CONOCOPHILLIPS COMPANY		Elevation 5812'

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	30	30N	8W	12	590'	SOUTH	2085'	EAST	SAN JUAN

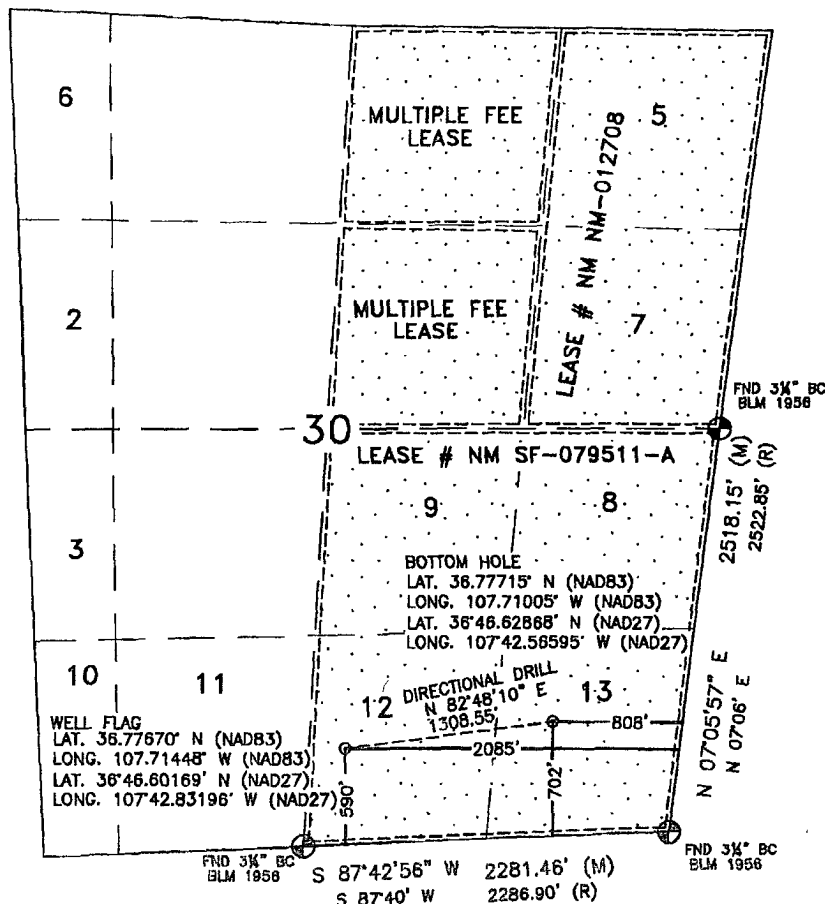
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	30	30N	8W	13	702'	SOUTH	808'	EAST	SAN JUAN

Dedicated Acres 290.69 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 or a compulsory pooling order heretofore entered by the division.

Tracey N. Monroe 7/10/2009
Signature Date

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.

APRIL 16, 2009

Date of Survey

Signature and Seal of Professional Surveyor:

David A. Russell
DAVID A. RUSSELL
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
10201

DAVID RUSSELL

Certificate Number

10201

pe

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

FLORANCE 11C

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9015		AFE \$: 1,819,774.41	
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:	
Primary Objective (Zones):					
Zone	Zone Name				
RON	BLANCO MESAVERDE (PRORATED GAS)				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location: Datum Code: NAD 27					
Latitude: 36.776695	Longitude: -107.713866	X:	Y:	Section: 30	Range: 008W
Footage X: 2085 FEL	Footage Y: 590 FSL	Elevation: 5812	(FT)	Township: 030N	
Tolerance:					
Location: Datum Code: NAD 27					
Latitude: 36.777145	Longitude: -107.709436	X:	Y:	Section: 30	Range: 008W
Footage X: 808 FEL	Footage Y: 702 FSL	Elevation:	(FT)	Township: 030N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2011		Completion Date:	
Formation Data: Assume KB = 5820		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	5620	☐		
NACIMIENTO	907	4913	☐		
OJO ALAMO	1328	4492	☐		
KIRTLAND	1506	4314	☐		
FRUITLAND	1997	3823	☐		Possible Gas
PICTURED CLIFFS	2500	3320	☐		
LEWIS	2639	3181	☐		
HUERFANITO BENTONITE	3238	2582	☐		
CHACRA	3504	2316	☐		Est. Top Perf - 3512 (2314) Lively 25M (NE29-30-8) had water at start of drilling prod hole - had to abandon DK.
Intermediate Casing	3900	1920	☐		8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 944 cuft. Circulate cement to surface.
UPPER CLIFF HOUSE	3934	1886	☐		Gas
MASSIVE CLIFF HOUSE	4138	1682	☐	296	Gas
MENEFEE	4293	1527	☐		
POINT LOOKOUT	4700	1120	☐		
MANCOS	5088	732	☐		
UPPER GALLUP	5986	-166	☐		
GREENHORN	6705	-885	☐		
GRANEROS	6761	-941	☐		
TWO WELLS	6807	-987	☐	3312	Gas
PAGUATE	6911	-1091	☐		
UPPER CUBERO	6944	-1124	☐		

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

FLORANCE 11C

DEVELOPMENT

LOWER CUBERO	6973	-1153	☐	Est. Btm Perf - 7043 (-1217) based on offset wells
ENCINAL	7048	-1228	☐	TD - 30' below T/ENCN
Total Depth	7078	-1258	☐	6-1/4" hole, 4-1/2" 11.6 ppf, J-55,/ L-80 LTC casing. Cement w/ 436 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	Florance 11-A	30N 8W 30 SE
Production	Lively 25	30N 8W 29 SE NW SW
Production	Howell 1M	30N 8W 30 NE SW SW
Production	Howell 1 E	30N 8W 29 NE SW 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 GRHN to TD - mudlogger will call TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Florance #11C
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 5820.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 5820.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Florance #11C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,677.2	2,500.0	Pictured Cliffs		0.00	
4,580.6	4,293.0	Menefee		0.00	
4,221.6	3,934.0	Upper Cliff House		0.00	
2,836.6	2,639.0	Lewis		0.00	
2,100.4	1,997.0	Fruitland		0.00	
6,273.6	5,986.0	Gallup		0.00	
7,335.9	7,048.3	Encinal		0.00	
4,987.6	4,700.0	Pt Lookout		0.00	
3,788.7	3,504.0	Chacra		0.00	
1,542.8	1,506.0	Kirtland		0.00	
5,375.6	5,088.0	Mancos Shale		0.00	
1,350.1	1,328.0	Ojo Alamo		0.00	
7,231.6	6,944.0	Upper Cubero		0.00	
7,048.6	6,761.0	Graneros		0.00	
4,425.6	4,138.0	Massive Cliffhouse		0.00	
3,511.5	3,238.0	Huerf Bent		0.00	
7,094.6	6,807.0	Two Wells		0.00	
911.2	907.0	Nacimiento		0.00	
7,260.6	6,973.0	Lower Cubero		0.00	
7,198.6	6,911.0	Paguate		0.00	
6,992.6	6,705.0	Greenhorn		0.00	

REFERENCE INFORMATION

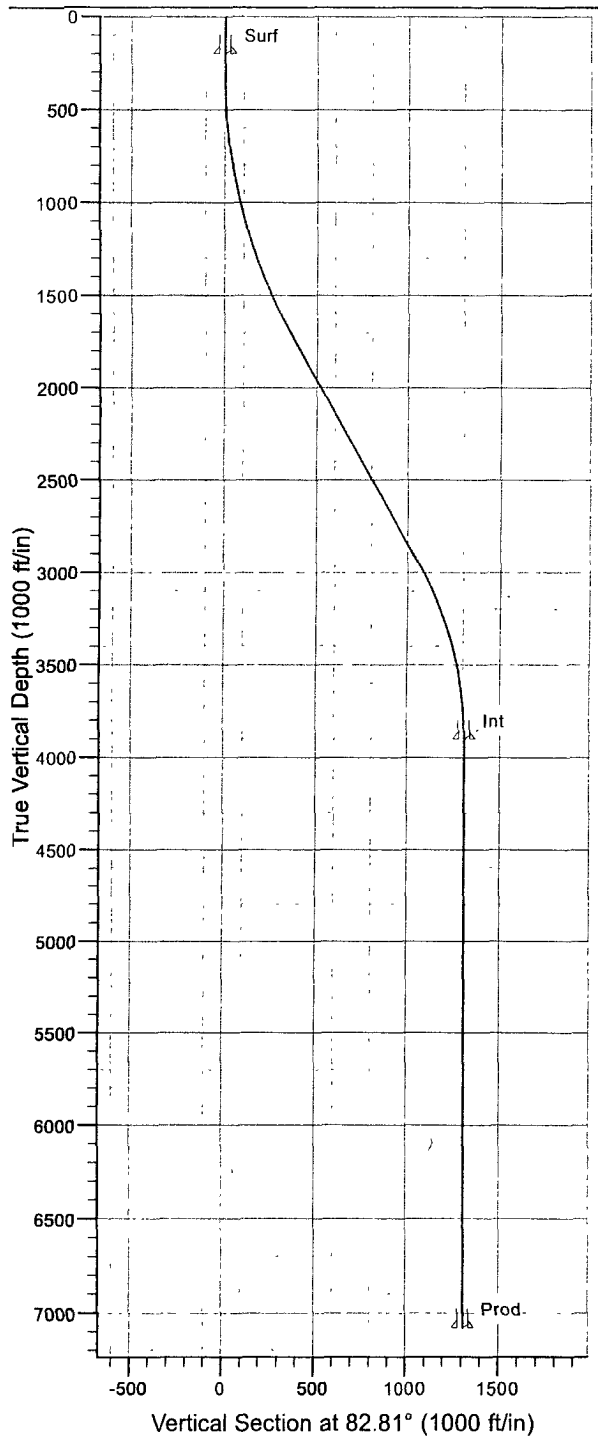
RKB @ 5820:0ft (Original Well Elev)
Ground Elevation 5805.0
Reference Lat: 36° 46' 36.101 N
Reference Long: 107° 42' 49.918 W

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



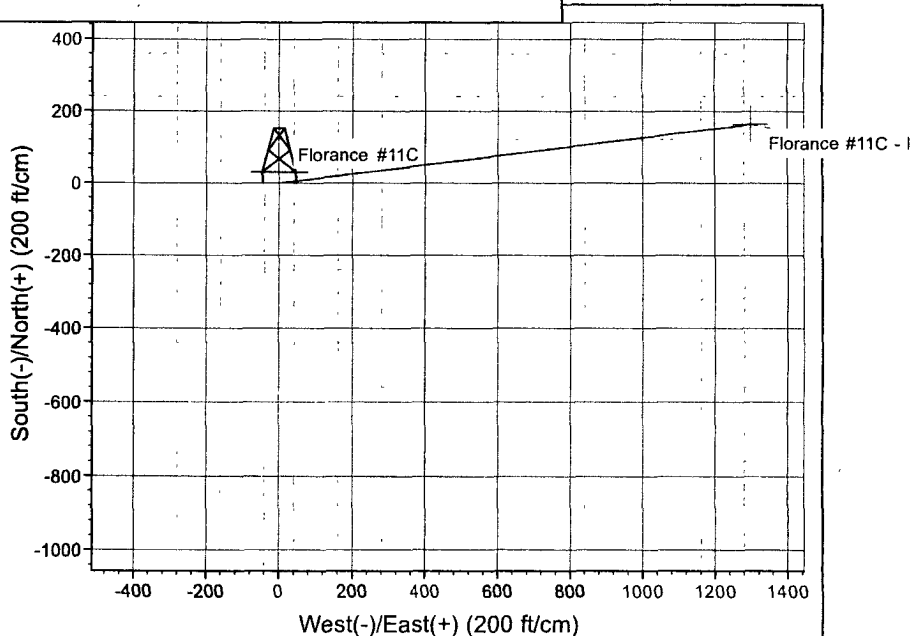
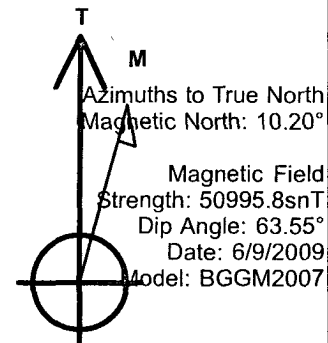
SECTION DETAILS

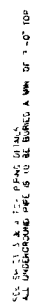
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1785.4	29.31	82.81	1722.4	45.9	363.8	2.00	82.81	366.7	
4	3210.6	29.31	82.81	2965.1	133.2	1056.0	0.00	0.00	1064.3	
5	4187.6	0.00	0.00	3900.0	163.8	1298.5	3.00	180.00	1308.8	Florance #11C - ICP
6	7365.6	0.00	0.00	7078.0	163.8	1298.5	0.00	0.00	1308.8	Florance #11C - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
906.7	911.2	Nacimiento
1327.7	1350.1	Ojo Alamo
1505.7	1542.8	Kirtland
1996.7	2100.4	Fruitland
2499.7	2677.2	Pictured Cliffs
2638.7	2836.6	Lewis
3237.7	3511.5	Huerf. Bent.
3503.7	3788.7	Chacra
3933.7	4221.6	Upper Cliff House
4137.7	4425.6	Massive Cliffhouse
4292.7	4580.6	Menefee
4699.7	4987.6	Pt. Lookout
5087.7	5375.6	Mancos Shale
5985.7	6273.6	Gallup
6704.7	6992.6	Greenhorn
6760.7	7048.6	Graneros
6806.7	7094.6	Two Wells
6910.7	7198.6	Paguate
6943.7	7231.6	Upper Cubero
6972.7	7260.6	Lower Cubero
7048.0	7335.9	Encinal





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ConocoPhillips

3-1-66
PRESSURE
FACILITY DIAGRAM - SITE LAYOUT

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
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CONOCOPHILLIPS COMPANY

FLORANCE #11 C
590' FSL & 2085' FEL
LOCATED IN THE SW/4 SE/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 5.6 MILES TO BEGIN ACCESS ON RIGHT.
- 3) TURN RIGHT ONTO DIRT ROAD AND TRAVEL 0.25 MILES TO INTERSECTION
- 4) TURN LEFT ONTO PROPOSED WELL LOCATION.

WELL FLAG LOCATED AT LAT. 36.77670° N, LONG. 107.71448° W (NAD 83).

