

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD DEC 18 '08
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-079351
1b. Type of Well GAS	Unit Reporting Number NMNM-78424A-MV
2. Operator ConocoPhillips	6. If Indian, All. or Tribe
7. Unit Agreement Name San Juan 32-8 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name
4. Location of Well Unit O (SWSE), 770' FSL & 1465' FEL, Unit P (SESE), 660' FSL & 660' FEL, Latitude 36.87796 N. Longitude 107.62319 W. Latitude 36.526589 N. Longitude 107.3718998 W.	9. Well Number #10A
10. Field, Pool, Wildcat Blanco Mesaverde/Basin Dakota	11. Sec., Twn, Rge, Mer. (NMPM) O Sec. 24, T31N, R8W Srt p Sec. 24, T31N, R8W BHL
12. County San Juan	13. State NM
14. Distance in Miles from Nearest Town 31 miles/Aztec	15. Distance from Proposed Location to Nearest Property or Lease Line 770'
16. Acres in Lease 383.890	17. Acres Assigned to Well 306.34 320.00 (E/2) MV 306.34 320.00 (E/2) DK
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 30' San Jaun 32-8 Unit 206A	19. Proposed Depth 7977'
20. Rotary or Cable Tools Rotary	21. Elevations (DF, FT, GR, Etc.) 6385' GR
22. Proposed Casing and Cementing Program See Operations Plan attached	23. Authorized by: Jamie Goodwin (Regulatory Technician)
24. Approved by: [Signature]	25. Date: 2/21/08

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 43

Bond Numbers ES-0048 and ES-0085

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

NMOCD

Hold C104
for Directional Survey
and "As Drilled" plat

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

JAN 05 2009

District I
1625 N. French Dr., Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

RECEIVED
FEB 22 2008
Bureau of Land Management
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 34605		*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 31330	*Property Name SAN JUAN 32-8 UNIT		*Well Number 10A
*OGAID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY		*Elevation 6385'

10 Surface Location

U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	24	31N	8W		770	SOUTH	1465	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	24	31N	8W		660	SOUTH	660	EAST	SAN JUAN

*Dedicated Acres 306.34	Acres - E/2 (MV) Acres - E/2 (OK)	*Joint or Int'l	*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 5241.06' 2562.78' LEASE SF-079351 24 5176.38' SURFACE LOCATION LAT: 36°52'58.9"N LONG: 107°37'18.98"W DATUM: NAD83 BOTTOM-HOLE LOCATION LAT: 36°52'58.9"N LONG: 107°37'18.98"W DATUM: NAD27 5232.48'	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. <i>Kandis Roland</i> 6/1/07 Signature Date Kandis Roland 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. Date of Survey: MARCH 5, 2007 Signature and Seal of Professional Surveyor JASON C. EDWARDS 15269 REGISTERED PROFESSIONAL SURVEYOR NEW MEXICO <i>Jason C. Edwards</i> Certificate Number 15269
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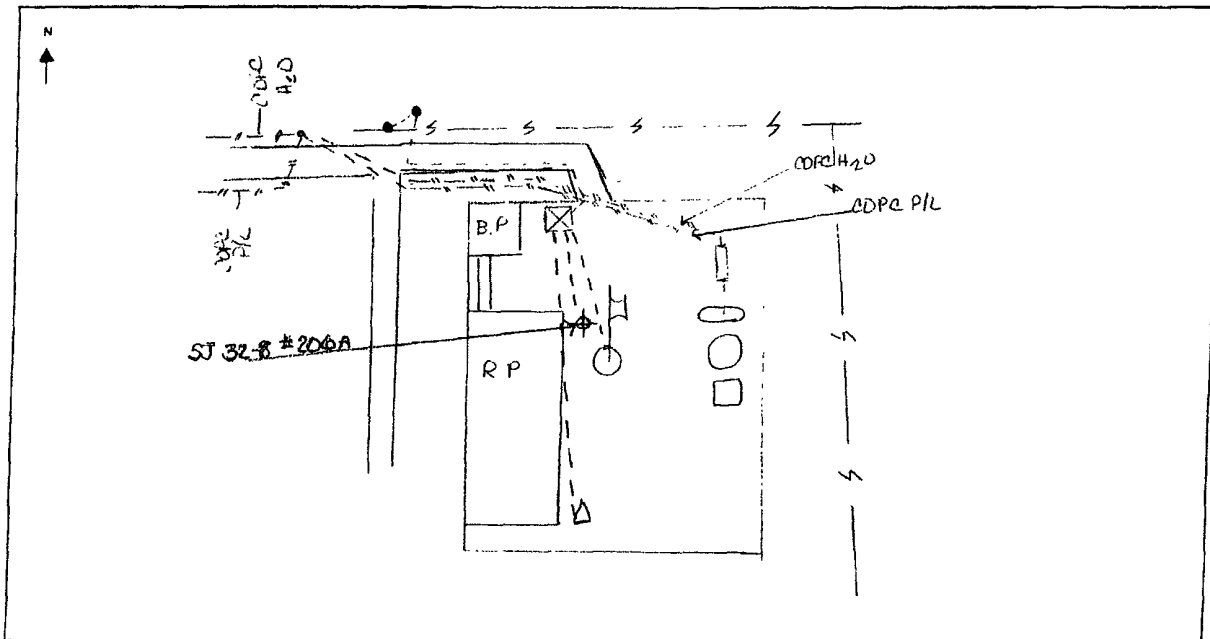


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 32-8 #10A LEGALS D-24-31-8 COUNTY San Juan

PURPOSED C.P. SYSTEM: Trench approx 200' of #8 neg from proposed well (SJ 32-8 #10A) to existing rectifier.



EXISTING WELLHEAD	METER HOUSE	G.B.	POWER SOURCE	CABLE	NEW WELL	OVERHEAD A.C.

COMMENTS: New Rect. not turned on yet ; lug, 30v/12a / HP not connected yet no meter
Verify w/ Bill if system on 206A is a brand new system, just in

NEAREST POWER SOURCE existing Rect SJ 32-8 #206A DISTANCE: same location
PIPELINES IN AREA: CDPC PL. + H₂O

TECHNICIAN: Michael H. Hargrave DATE: 9/11/07

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-8 UNIT 10A

DEVELOPMENT

Lease:		AFE #: WAN.CNV.6224				AFE \$:	
Field Name: 32-8		Rig: XXX 2009 Deep Directional		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Brain, Ted H.		Phone: 832-486-2592		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead: Fransen, Eric E.		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
R20002	MESAVERDE(R20002)						
R20076	DAKOTA(R20076)						
Location: Surface Datum Code: NAD 27							
Latitude: 36.877955	Longitude: -107.622579	X:	Y:	Section: 24		Range: 008W	
Footage X: 1465 FEL	Footage Y: 770 FSL	Elevation: 6385	(FT)	Township: 031N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.877644	Longitude: -107.619219	X:	Y:	Section: 24		Range: 008W	
Footage X: 660 FEL	Footage Y: 660 FSL	Elevation:	(FT)	Township: 031N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6400		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
NCMT	-3599	9999	☐				
SURFACE CSG	199	6201	☐			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 170 cu. ft. Circulate cement to surface.	
OJAM	2086	4314	☐			Possible water flows.	
KRLD	2264	4136	☐				
FRLD	2794	3606	☐			Possible gas.	
PCCF	3285	3115	☐				
LEWS	3545	2855	☐				
Intermediate Casing	3645	2755	☐			8 3/4" Hole. 7", 23 ppf, L-80, LTC Casing. Cement with 821 cu. ft. Circulate cement to surface.	
CHRA	4435	1965	☐				
UCLFH	4903	1497	☐				
CLFH	5240	1160	☐	464		Gas; possibly wet	
MENF	5279	1121	☐			Gas.	
PTLK	5588	812	☐			Gas.	
MNCS	5945	455	☐				
GLLP	6890	-490	☐			Gas. Possibly wet.	
GRHN	7626	-1226	☐			Gas possible, highly fractured	
GRANEROS	7671	-1271	☐				
TWLS	7769	-1369	☐	2000			
CBBO	7808	-1408	☐			Gas	
CBRL	7837	-1437	☐				
ENCINAL	7907	-1507	☐			TD 70' below T/ENCN	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-8 UNIT 10A

DEVELOPMENT

TOTAL DEPTH DK	7977	-1577	☐	6-1/4" Hole. 4-1/2", 11.6 ppf, L-80, LTC casing. Cement with 605 cu. ft. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.
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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 ☒ Other
GR_CBL, MUDLOG 100' above GRHN to 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 SJ 32-8 #10A
Company:	ConocoPhillips SJBU	TVD Reference:	Generic Rig RKB @ 6400.0ft (Generic Rig)
Project:	San Juan Basin	MD Reference:	Generic Rig RKB @ 6400.0ft (Generic Rig)
Site:	Russell's Site for Directional MV/DK wells	North Reference:	True
Well:	SJ 32-8 #10A	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 32-8 #10A		
Design:	APD Directional Plan		

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)
8,097.0	0.00	0.00	7,978.0	-111.0	802.9	810.6	0.00	0.00	0.00
TD - SJ 32-8 #10A PCP									

Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (m)	Easting (m)	Latitude
SJ 32-8 #10A ICP	- plan hits target	0.00	0.00	3,646.0	-111.0	802.9	651,906.50	171,433.89	36° 52' 39.534 N
	- Point								107° 37' 11.388 W
SJ 32-8 #10A PCP	- plan hits target	0.00	0.00	7,978.0	-111.0	802.9	651,906.51	171,433.88	36° 52' 39.534 N
	- Point								107° 37' 11.388 W

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
215.0	215.0	9 5/8"	9.625	12.250	
3,765.0	3,646.0	7"	7.000	8.750	
8,096.8	7,977.8	4 1/2"	4.500	6.250	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,900.9	2,795.0	Fruitland		0.00		
7,746.0	7,627.0	Greenhorn		0.00		
2,151.7	2,087.0	Ojo		0.00		
8,027.0	7,908.0	Encinal		0.00		
5,708.0	5,589.0	Point Lookout		0.00		
3,404.0	3,286.0	Pictured Cliffs		0.00		
7,010.0	6,891.0	Upper Gallup		0.00		
5,023.0	4,904.0	Upper Cliffhouse		0.00		
3,664.9	3,546.0	Lewis		0.00		
6,065.0	5,946.0	Mancos		0.00		
7,791.0	7,672.0	Graneros		0.00		
8,097.0	7,978.0	TD		0.00		
7,928.0	7,809.0	Cubero		0.00		
5,399.0	5,280.0	Menefee		0.00		
7,957.0	7,838.0	Lower Cubero		0.00		
5,360.0	5,241.0	Mass Cliffhouse		0.00		
2,340.2	2,265.0	Kirtland		0.00		
7,889.0	7,770.0	Two Wells		0.00		
4,555.0	4,436.0	Chacra		0.00		

Directions from the Intersection of US Hwy 550 & State Hwy 173 in Aztec, NM

to ConocoPhillips Company San Juan 32-8 Unit #10A

770' FSL & 1465' FEL, Section 24, T31N, R8W, NMPM, San Juan County, NM

From the intersection of US Hwy 550 & State Hwy 173 in Aztec, NM, travel Easterly on State Hwy 173 for 18.1 miles to the intersection of State Highway 173 & State Highway 511;

Go left (North-easterly) on State Highway 511 for 11.6 miles to fork in road @ Milepost 19.6;

Go right (North-easterly) for 0.1 miles to fork in road;

Go right (Easterly) for 0.5 miles to fork in road;

Go left which is straight (Easterly) for 0.1 miles to staked location which overlaps an existing wellpad.