

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 22 2010

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office
Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number NM-03188 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips Company	7. Unit Agreement Name San Juan 29-5 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name RCVD FEB 14 '11 9. Well Number 109 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit N (SESW), 1137' FSL & 1527' FWL Surf: Latitude: 36.70697° N (NAD83) Longitude: 107.36653° W	10. Field, Pool, Wildcat Basin FC/Gobernador PC 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 21, T29N, R5W API # 30-039-31009	
14. Distance in Miles from Nearest Town 72' from San Juan 29-5 Unit 64 (MV/DK)	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1137'	17. Acres Assigned to Well 320.00 Acres-FC (W/2) 160.00 Acres-PC (SW/4)	
16. Acres in Lease 1280.00	 H₂S POTENTIAL EXIST	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 72' from San Juan 29-5 Unit 64 (MV/DK)	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 3835' This action is subject to technical and procedural review pursuant to 43 CFR 3165.4 and appeal pursuant to 43 CFR 3165.4	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
21. Elevations (DF, FT, GR, Etc.) 6692' GL		
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Brandie Blakley</u> Brandie Blakley (Staff Regulatory Tech)	<u>12-17-10</u> Date	

PERMIT NO. APPROVAL DATE
APPROVED BY [Signature] TITLE AFM DATE 2/8/11

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. APPROVAL OR ACCEPTANCE OF TH

Example Master Plan Type 2 Bond Numbers ES-0048 and ES-0085 DOES NOT RELIEVE THE LESSEE A

FEB 23 2011

NMOCD

OPERATOR FROM OBTAINING ANY OTHER
AUTHORIZATION REQUIRED FOR OPERATI
ON FEDERAL AND INDIAN LANDS

DISTRICT I
1626 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, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

Farrington Field Office
Bureau of Land Management
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31009	² Pool Code 71629 / 77440	³ Pool Name GOVERNADOR BASIN FRUITLAND COAL / PICTURED CLIFFS
⁴ Property Code 31328	⁵ Property Name SAN JUAN 29-5 UNIT	⁶ Well Number 109
⁷ GRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6692'

¹⁰ Surface Location

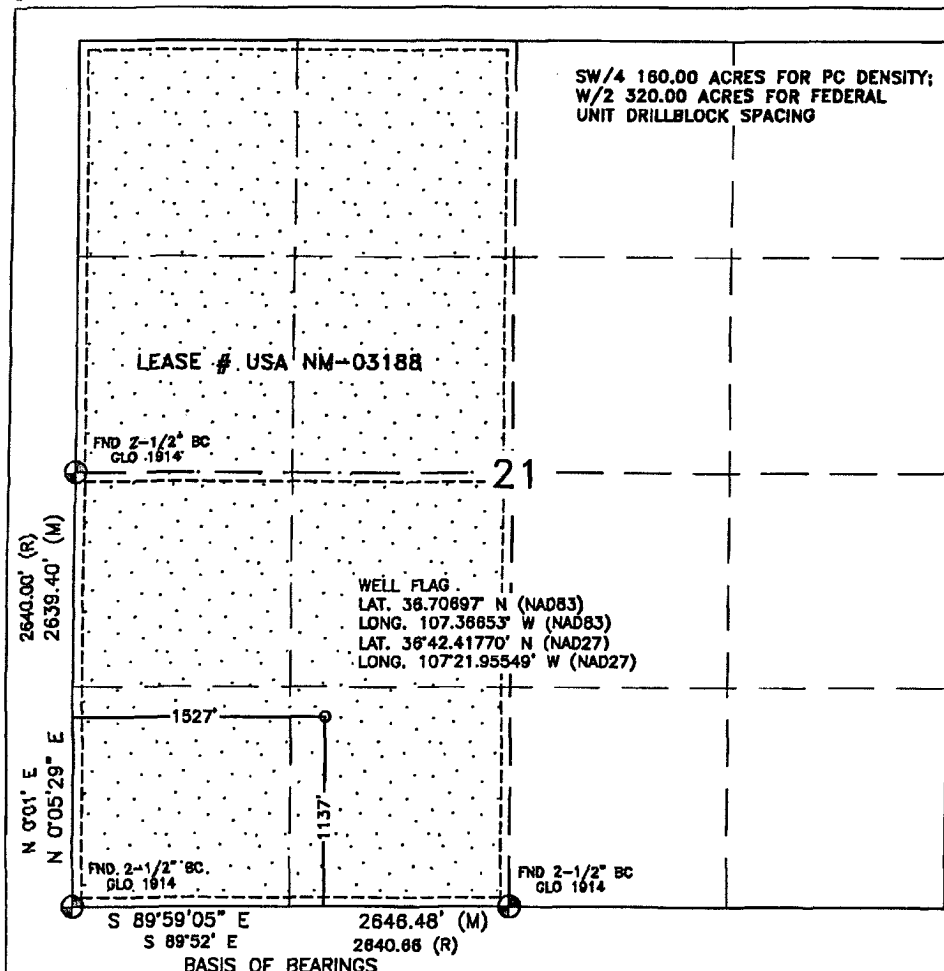
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	21	29N	5W		1137'	SOUTH	1527'	WEST	RIO ARriba

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
¹² Dedicated Acres FC-320.00 ACRES (W/2) PC-160.00 ACRES (SW/4)				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.

Dollie L. Busse 7/14/10
Signature Date

Dollie L. Busse
Printed Name

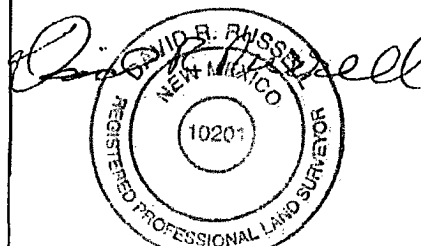
¹⁸ SURVEYOR CERTIFICATION

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.

MARCH 23, 2010

Date of Survey

Signature and Seal of Professional Surveyor:



DAVID RUSSELL

Certificate Number

10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-5 UNIT 109

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0027		AFE \$: 0.00	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist:		Phone:	Prod. Engineer:		Phone:
Res. Engineer:		Phone:	Proj. Field Lead:		Phone:

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)
R20003	PICTURED CLIFFS(R20003)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.706962	Longitude: -107.365928	X:	Y:	Section: 21	Range: 005W
Footage X: 1527 FWL	Footage Y: 1137 FSL	Elevation: 6692	(FT)	Township: 029N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2011	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6707	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6587		☐			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft Circulate cement to surface.
NACIMIENTO	1576	5131		☐			
OJO ALAMO	2887	3820		☐			
KIRTLAND	3035	3672		☐			
FRUITLAND	3137	3570		☐	306	107	Gas
PICTURED CLIFFS	3635	3072		☐	1166	118	Gas; TD - 200' below T/PCCF
Total Depth	3835	2872		☐			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 513 cuft. Circulate cement to surface.

Reference Wells:		
Reference Type	Well Name	Comments
Production	SAN JUAN 29-5 UNIT 213	

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

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

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments:

WELL FLAG

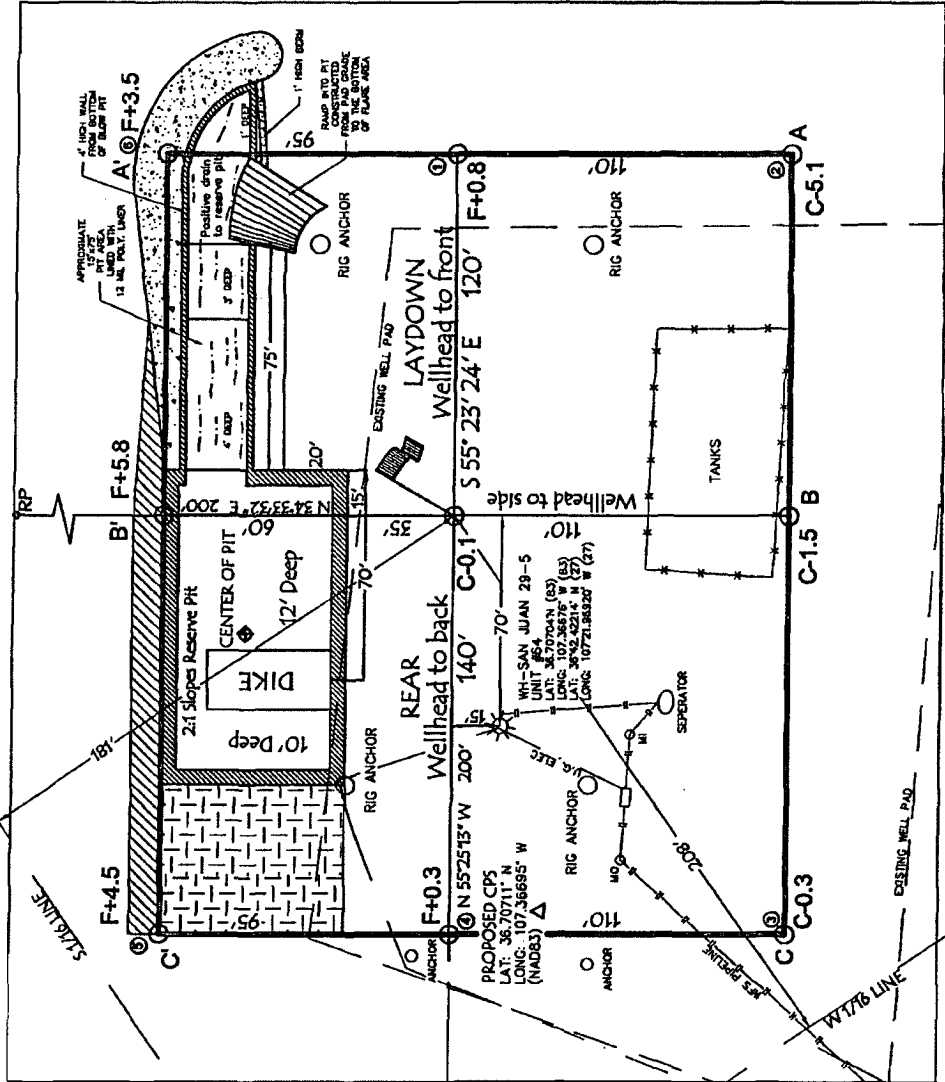
LATITUDE: 36.70697° N
 LONGITUDE: 107.36653° W
 CENTER OF PIT
 LATITUDE: 36.70720° N
 LONGITUDE: 107.36658° W
 ELEVATION: 6680.0'
 DATUM: NAD83 & NAVD88

NOTES:

- 1.) BASIS OF BEARING: BETWEEN FOUND MONUMENTARY CORNER AND THE SOUTHWEST CORNER OF SECTION 21, TOWNSHIP 29 NORTH, RANGE 5 WEST, N.M.P.M. RIO ARriba COUNTY, NEW MEXICO.
 LINE BEARS: S 89°59'05" E A DISTANCE OF 2646.48 FEET AS MEASURED BY G.P.S.
- 2.) LATITUDE, LONGITUDE AND ELLIPSOIDAL HEIGHT BASED ON NAD83 & NAVD88 DATUMS. DISTANCES SHOWN ARE GROUND DISTANCES USING A TRAVERSE MERCATOR PROJECTION FROM A NAD83 ELLIPSOID. HORIZONTAL ELEVATIONS AS PREDICTED BY GEOD003.
- 3.) LOCATION OF UNDERGROUND UTILITIES DEPICTED ARE APPROXIMATE. PRIOR TO EXCAVATION UNDERGROUND UTILITIES SHOULD BE FIELD VERIFIED. ALL CONSTRUCTION ACTIVITIES SHOULD BE FIELD VERIFIED. FIELD VERIFICATION SHOULD BE COMPLETED AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

CONOCOPHILLIPS COMPANY

SAN JUAN 29-5 UNIT #109
 1137' FSL & 1527' FWL
 LOCATED IN THE SE/4 SW/4 OF SECTION 21,
 T29N, R5W, N.M.P.M.,
 RIO ARriba COUNTY, NEW MEXICO
 GROUND ELEVATION: 6692.0', NAVD 88
 FINISHED PAD ELEVATION: 6692.0', NAVD 88



TOTAL PERMITTED AREA
 305' x 340' = 2.38 ACRES
 SCALE: 1" = 60'
 JOB No.: COPC379
 DATE: 04/01/10
 DRAWN BY: GRR

NOTE:
 RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
 RUSSELL SURVEYING, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
 CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED, BURIED PIPELINES OR CABLES ON WELL PAD, IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

SLOPES TO BE CONSTRUCTED TO
 MATCH THE ORIGINAL CONTOURS
 AS CLOSE AS POSSIBLE.

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

