

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK **AUG 27 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 Farmington Field Office SF-079250 Bureau of Land Management Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP		7. Unit Agreement Name San Juan 28-5 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 9. Well Number 16A
4. Location of Well Surface: Unit E (SWNW), 1861' FNL & 261' FWL Surface: Latitude: 36.66334° N (NAD83) Longitude: 107.37264° W		10. Field, Pool, Wildcat Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Unit E, Sec. 16, T28N, R5W API # 30-039- 30991
14. Distance in Miles from Nearest Town 30 miles from Blanco, NM	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 261'		
16. Acres in Lease 2453.700	17. Acres Assigned to Well 320.00 N/2 (MV)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1082' from SJ 28-5 Unit 28 (MV/DK)		
19. Proposed Depth 6144'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6537' 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)	<u>8/26/10</u> Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 9/14/10

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 NMB-000015 and NMB-000089

SEP 29 2010

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

NMOCD

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

DISTRICT I
1825 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 87506

State of New Mexico
Energy, Minerals & Natural Resources Department

RECEIVED

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

Farmington Field Office ☐ AMENDED REPORT
Bureau of Land Management

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-30991		Pool Code 72319	Pool Name BLANCO MESAVERDE
Property Code 7460	Property Name SAN JUAN 28-5 UNIT		Well Number 16A
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		Elevation 6537'

10 Surface Location

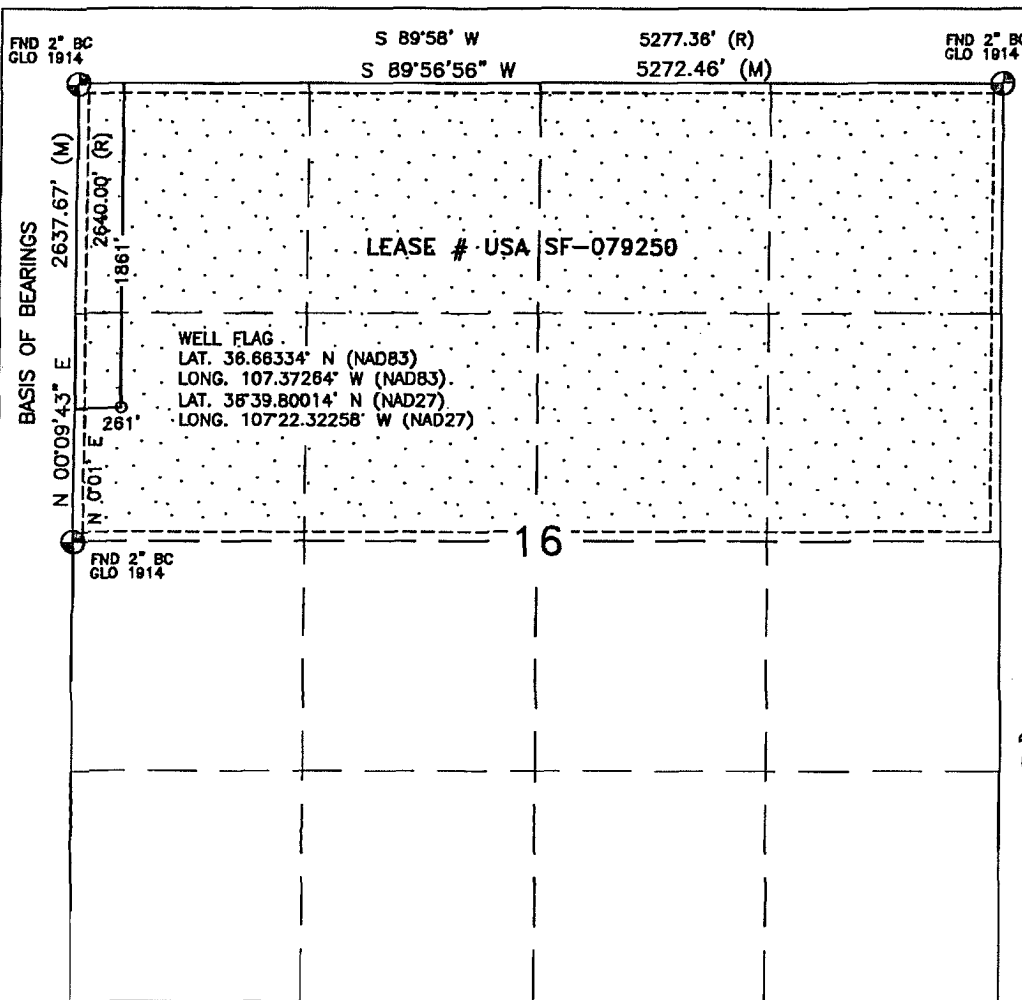
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	16	28N	5W		1861'	NORTH	261'	WEST	RIO ARRIBA

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
Dedicated Acres 320.00 ACRES - N/2					Joint or Infill		Consolidation Code		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

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.

Dollie L. Busse 3/26/10
Signature Date

Dollie L. Busse
Printed Name

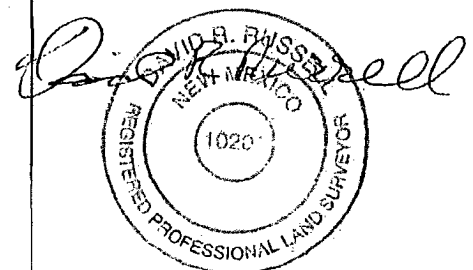
18 SURVEYOR CERTIFICATION

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.

DECEMBER 21, 2009

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 28-5 UNIT 16A

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9402		AFE \$: 480,970.00	
Field Name: SAN JUAN		Rig: Aztec Rig 920		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
RON	BLANCO MESAVERDE (PRORATED GAS)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.663332	Longitude: -107.372038	X:	Y:	Section: 16	Range: 005W
Footage X: 261 FWL	Footage Y: 1861 FNL	Elevation: 6537	(FT)	Township: 028N	
Tolerance:					

Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6552 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6352		<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 119 cuft. Circulate cement to surface.
NACIMIENTO	1438	5114		<input type="checkbox"/>			
OJO ALAMO	2679	3873		<input type="checkbox"/>			
KIRTLAND	2876	3676		<input type="checkbox"/>			
FRUITLAND	2986	3566		<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3432	3120		<input type="checkbox"/>	1081	117	
LEWIS	3549	3003		<input type="checkbox"/>			
Intermediate Casing	3649	2903		<input type="checkbox"/>			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 822 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4198	2354		<input type="checkbox"/>			
CHACRA	4426	2126		<input type="checkbox"/>			
UPPER CLIFF HOUSE	5067	1485		<input type="checkbox"/>			Gas
MASSIVE CLIFF HOUSE	5207	1345		<input type="checkbox"/>	617	155	Gas
MENEFEE	5300	1252		<input type="checkbox"/>			
POINT LOOKOUT	5606	946		<input type="checkbox"/>			
MANCOS	6084	468		<input type="checkbox"/>		174	
Total Depth	6144	408		<input type="checkbox"/>			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/421 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	SAN JUAN 28-5 83M	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 16A

DEVELOPMENT

Logging Program:

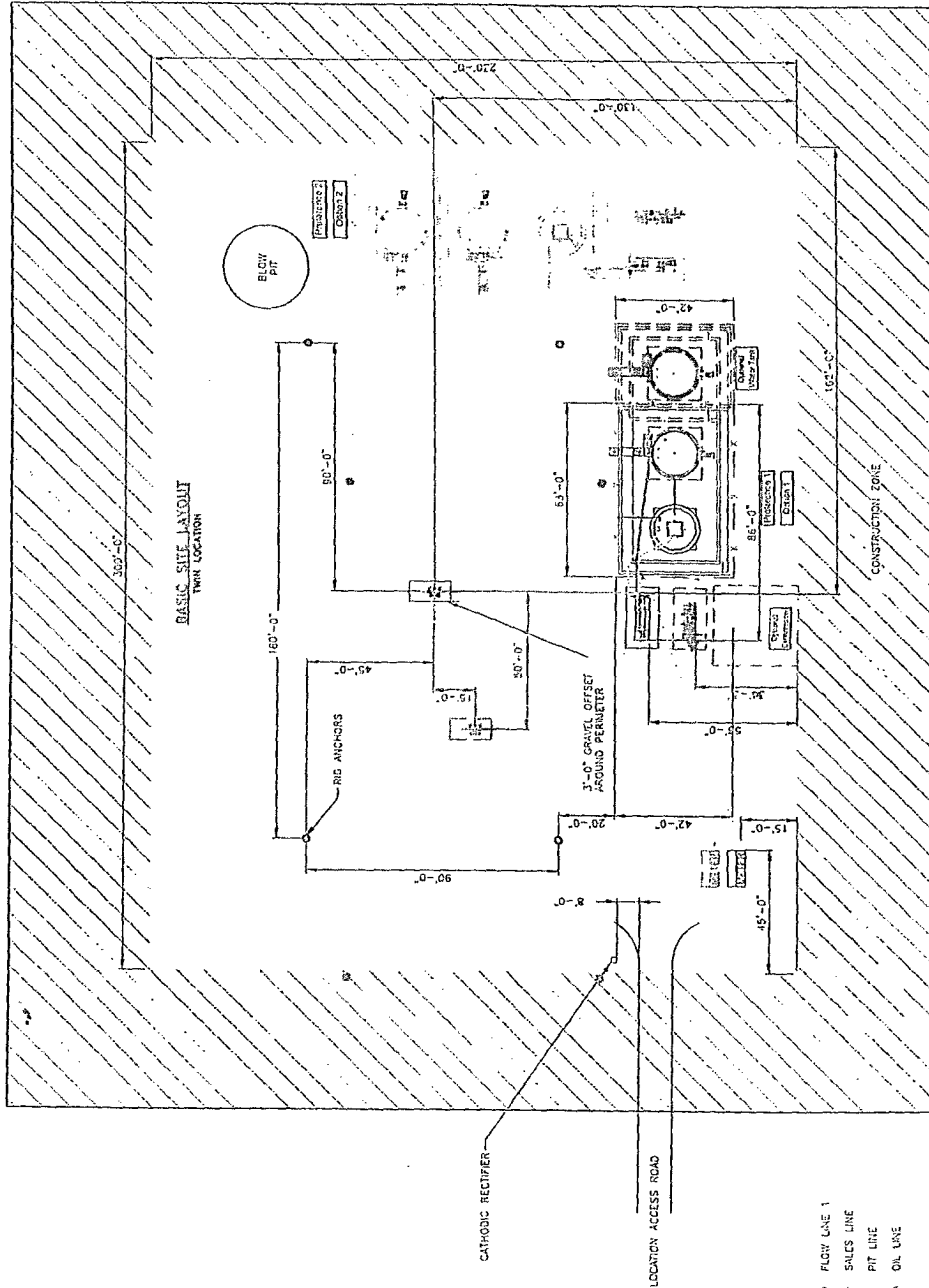
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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

TD 60' into Mancos and Perf 100' above 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

SHEET 1 OF 5

SEE SHEET 1 & 2 FOR PLANS OF THE
AND CONSTRUCTION OF THE 15' GRAVEL OFFSET AROUND PERIMETER

CONOCOPhillips										CONOCOPhillips										SAN JUAN BUSINESS UNIT										HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT									
REFERENCE DRAWINGS										ENGINEERING REVIEW										DESIGN										PROJECT									
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BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 28-5 UNIT #16A
1861' FNL & 261' FWL
LOCATED IN THE SW/4 NW/4 OF SECTION 16,
T28N, R5W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM POST OFFICE IN BLANCO, TRAVEL EAST ON HWY 64 FOR 27 MILES.
- 2) TURN RIGHT OF GENERAL AMERICAN ROAD (AT GOBERNADOR) AND TRAVEL 1.1 MILES TO A "Y" INTERSECTION.
- 3) CONTINUE STRAIGHT FOR 1.5 MILES, THROUGH A CATTLE GUARD, TO THE FLAGGED ACCESS ON THE LEFT.

WELL FLAG LOCATED AT LAT. 36.66334° N, LONG. 107.37264° W (NAD 83).

