

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 29 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number SF-079192 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 28-6 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name RCVD JAN 27 '10 9. Well Number 440S OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit D (NWNW), 860' FNL & 920' FWL Surf: Latitude: 36.66613 N Longitude: 107.47833 W	10. Field, Pool, Wildcat Basin FC/Blanco PC 11. Sec., Twn, Rge, Mer. (NMPM) D Sec. 16, T28N, R6W API # 30-039- 30666	
14. Distance in Miles from Nearest Town 10 mile/Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 860'	17. Acres Assigned to Well FC 320.00 (W/2)/PC 160.00 NW/4	
16. Acres in Lease 1,920.00		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 50' from San Juan 28-6 49A (MV)		
19. Proposed Depth 3711' <small>This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4</small>	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6635' 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>James Gardenhire</u> James Gardenhire (Regulatory Technician)	1-28-09 Date	

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 2

Bond Numbers NMB-000015 and NMB-000089

NMOCD

FEB 04 2010

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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
AMENDED REPORT
JAN 29 2009

WELL LOCATION AND ACREAGE DEDICATION PLAT Bureau of Land Management
Farmington Field Office

API Number 30-039-300666	Pool Code 72434	Pool Name BLANCO PICTURED CLIFFS / BASIN FRUITLAND COAL
Property Code 7462	Property Name SAN JUAN 28-6 UNIT	Well Number 440S
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	Elevation 6635'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
D	16	28N	6W		860	NORTH	920	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
D									
Dedicated Acres 150.0 Acres (PC) - NW/4 320.0 Acres (FC) - W/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

<p>LAT: 36.66613° N LONG: 107.47833° W DATUM: NAD83</p> <p>LAT: 36°39.9676' N LONG: 107°28.6635' W DATUM: NAD27</p> <p>LEASE USA SF-079192</p>	<p>16</p> <p>5282.64'</p> <p>1720'</p> <p>860'</p> <p>920'</p> <p>5280.00'</p> <p>5278.68'</p>	<p>11 OPERATOR CERTIFICATION</p> <p>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 unless 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.</p> <p><i>James Gardenhire</i> 12/23/08 Signature Date</p> <p>James Gardenhire Printed Name</p> <p>12 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Survey Date: SEPTEMBER 30, 2008</p> <p>Signature and Seal of Professional Surveyor</p> <p> JASON C. EDWARDS Certificate Number 15269</p>
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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 440S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8204		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 673		State: NM County: RIO ARRIBA	
Geologist:		Phone:		Geophysicist:	
Geoscientist: Clark, Dave D		Phone: +1 505-326-9762		Prod. Engineer:	
Res. Engineer: Akwari, Bill N		Phone: +1 505-599-4076		Proj. Field Lead:	

Primary Objective (Zones):

Zone	Zone Name
UPL	BLANCO PICTURED CLIFFS
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface Datum Code: NAD 27

Latitude: 36.666122	Longitude: -107.477726	X:	Y:	Section: 16	Range: 006W
Footage X: 920 FWL	Footage Y: 860 FNL	Elevation: 6635 (FT)	Township: 028N		

Tolerance:

Location Type: Year Round	Start Date (Est.): 1/1/2010	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6646 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6526	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	2671	3975	<input type="checkbox"/>			
KIRTLAND	2796	3850	<input type="checkbox"/>			
FRUITLAND	3141	3505	<input type="checkbox"/>			Gas
PICTURED CLIFFS	3511	3135	<input type="checkbox"/>	500		Gas
Total Depth	3711	2935	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 570 cuft. Circulate cement to surface.

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

Run platform express over the PC per RAM. Run GR/induction/density/neutron from TD to minimum footage w/ GR and induction back to surface.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - FC/PCNM028N006W16NW1 Twinning option at SJ 28-6 Unit 49A (MV). Prefer D, C, F, E.

Zones - FC/PCNM028N006W16NW1

General/Work Description - UPE
SCHREIBER

07/16/08 RAM: This location extends a trend in the PC. RAM wants openhole logs. B.Koerschner/T.Gibbons

01/06/09 - Drilling cost should be 47/53 FIC/PC(MI W)

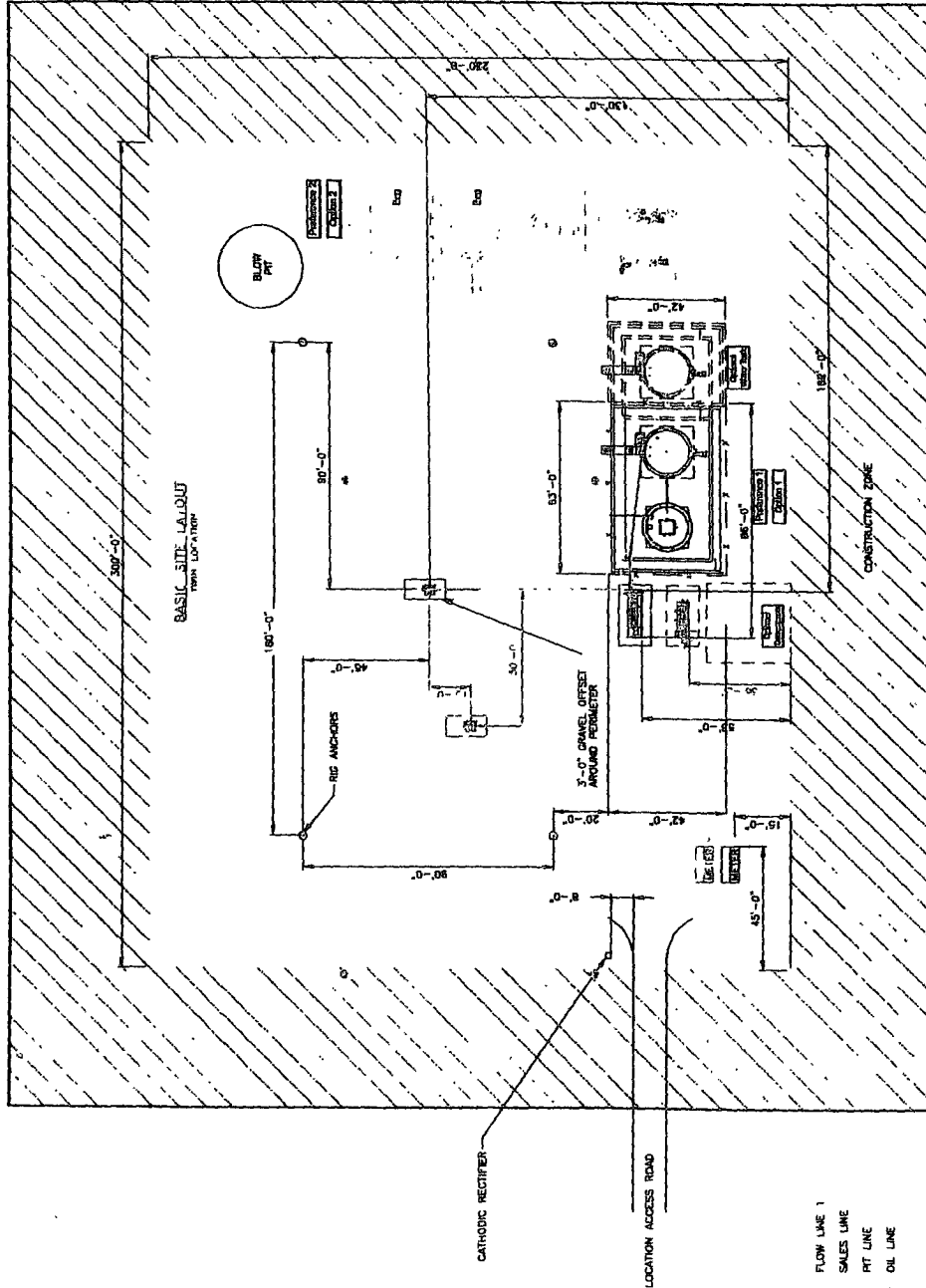
Printed on: 1/28/2009 2:10:03 PM

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-6 UNIT 440S

DEVELOPMENT

01/19/2009 CAV: Location should not need sound building.



SHEET 1 OF 5

SEE SHEET 2, 3, 4 FOR FURTHER DETAILS
ALL DIMENSIONS ARE IN FEET AND INCHES

CONCEPT PHILLIPS									
HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT									
SAN JUAN BUSINESS UNIT									
REFERENCE DRAWINGS									
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
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861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
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971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1000

Directions from the Intersection of US Hwy 550 South & US Hwy 64 in Bloomfield, NM

to Burlington Resources Oil & Gas Company San Juan 28-6 Unit #440S

860' ENL & 920' FWL, Section 16, T28N, R6W, N.M.P.M., Rio Arriba County, NM

Latitude: 36.66613°N Longitude: 107.47833°W Datum: NAD1983

From the intersection of US Hwy 550 South & US Hwy 64 in Bloomfield, NM, travel Easterly on US Hwy 64 for 31.9 miles to the San Juan 29-6 Water Well #1 @ Milepost 96.3;

Go right (South-easterly) on Trunk-L Road for 2.0 miles to fork in road;

Go right (South-westerly) for 1.3 miles to fork in road at top of Snake Hill;

Go right (North-westerly) for 1.7 miles to fork in road;

Go left (South-westerly) for 0.4 miles to fork in road;

Go left (South-easterly) for 0.2 miles to fork in road;

Go left (South-easterly) for 0.1 miles to fork in road;

Go left (North-easterly) for 0.6 miles to staked location which overlaps an existing wellpad.