

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACKJUN 30 2009

1a. Type of Work DRILL	5. Lease Number NM-33053 Farmington Field Office 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 RCVD DEC 14 '09 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 Trail Canyon 9. Well Number 100S
4. Location of Well Surf: Unit I (NESE), 1590' FSL & 425' FEL - 12-32N 9W Bottomhole: Unit K (NESW), 2390' FSL & 800' FWL - 7-32N-8W Surf: Latitude: 36.995846° N (NAD83) Longitude: 107.72261° W Bottomhole: Latitude: 36.99780° N (NAD83) Longitude: 107.71786° W	10. Field, Pool, Wildcat Basin FC 11. Sec., Twn, Rge, Mer. (NMPM) I Sec. 12, T32N, R9W Sec. 7, T32N, R8W API # 30-045-35006
14. Distance in Miles from Nearest Town 24 miles/Intersection of Hwy 550 And Hwy 516	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 425'	
16. Acres in Lease 314.780	17. Acres Assigned to Well Basin FC 314.78 (W+2) Sec. 7
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 946' from San Juan 32 Fed 12 #1A	
19. Proposed Depth 3768'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6661' GL	22. Approx. Date Work will Start 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
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: Tracey N. Monroe Tracey N. Monroe (Staff Regulatory Technician)	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

Hold C104

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.9
and appeal pursuant to 43 CFR 3165.4

JAN 04 2010

NMOCD

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

for Directional Survey
and "As Drilled" plat

NOTIFY AZTEC 24 HRS.
PRIOR TO CASING & CEMENT

DISTRICT I
1525 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Ave., Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 South 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

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

JUN 30 2009

☐ AMENDED REPORT

Bureau of Land Management

Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35006	² Pool Code 71629	Pool Name BASIN FRUITLAND COAL
⁴ Property Code 18631	³ Property Name TRAIL CANYON	⁵ Well Number 100S
⁷ OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	Elevation 6661'

¹⁰ Surface Location

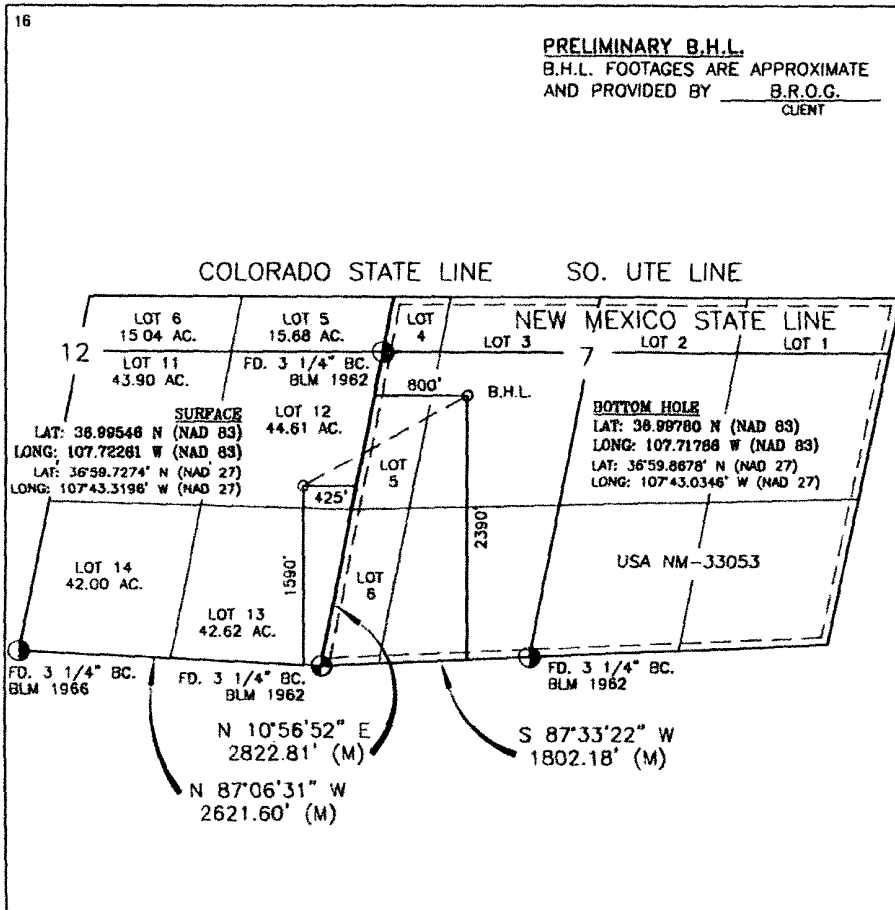
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	12	32-N	9-W	12	1590	SOUTH	425	EAST	SAN JUAN

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
K	7	32-N	8-W	5	2390	SOUTH	800	WEST	SAN JUAN

¹² Dedicated Acres 314.78 - Sec. 7	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. NSP 1587
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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



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.

Crystal Tafoya 4/29/09
Signature Date
Crystal Tafoya 4-29-09
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 knowledge and belief.

MAY 9, 2008

Date of Survey

Signature and Seal of Professional Surveyor



Certificate Number

TRIPLE WELL

6/21/2008

WELL NAME

LONGITUDE

107.72261 W

SAN JUAN

WATER PUMP

3 PHASE

	X
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200'

3/4 MILE

SAND AND SANDSTONE

NO PIPELINES OR WELLS CLOSE BY

WELL NAME	TRAIL CANYON # 100 S
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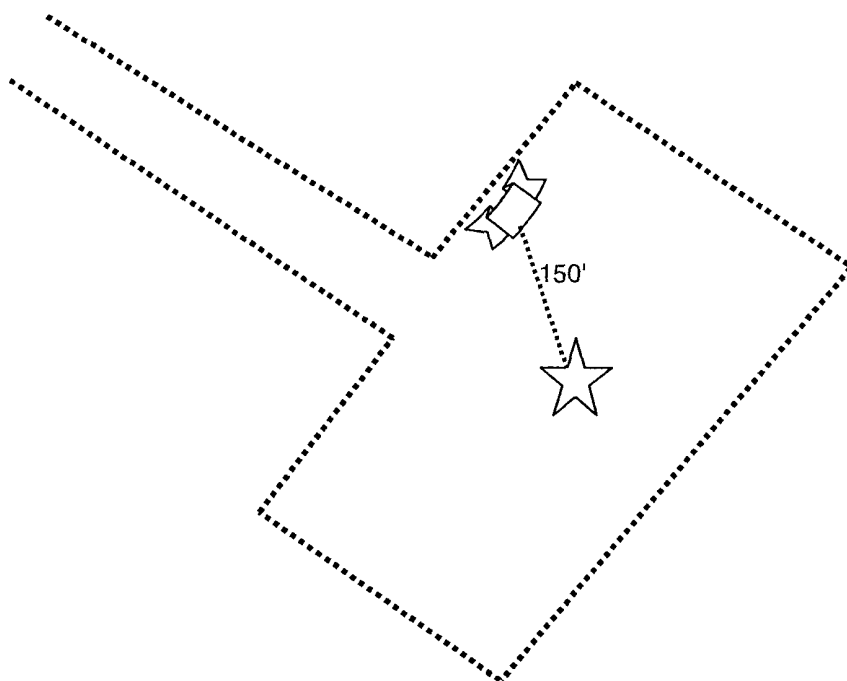


SAND AND SANDSTONE

1 PHASE CITY OF FMN PRIMARY 3/4 MILE

INSTALL SOLAR SYSTEM

NO PIPELINES OR WELLS CLOSE BY



TANK	SEP OR DEHY	SOLAR	METER POLE	PUMP JACK	GND/BED	EXISTING CABLE
RECT	PIT	WELL	proposed solar/gb	PROPOSED CABLE	POWER LINE	
			FOREIGN PL		CONOCO PL	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

TRAIL CANYON 100S

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.0557				AFE \$: 1,196,497.92	
Field Name: SAN JUAN		Rig: H&P Rig 281		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Clark, Dave D		Phone: +1 505-326-9762		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
JCV	BASIN FRUITLAND COAL (GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.995457	Longitude: -107.721993	X:	Y:	Section: 12	Range: 009W		
Footage X: 425 FEL	Footage Y: 1590 FSL	Elevation: 6661	(FT)	Township: 032N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.997797	Longitude: -107.717244	X:	Y:	Section: 07	Range: 008W		
Footage X: 800 FWL	Footage Y: 2390 FSL	Elevation:	(FT)	Township: 032N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6672 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	120	6552	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.	
NACIMIENTO	750	5922	<input type="checkbox"/>				
OJO ALAMO	2570	4102	<input type="checkbox"/>				
KIRTLAND	2633	4039	<input type="checkbox"/>				
FRUITLAND	3215	3457	<input type="checkbox"/>	1104		Gas	
T/FRUITLAND COAL	3301	3371	<input type="checkbox"/>				
PICTURED CLIFFS	3568	3104	<input type="checkbox"/>			Gas; TD - 200' below T/PCCF	
Total Depth	3768	2904	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 662 cuft. Circulate cement to surface.	
Reference Wells:							
Reference Type	Well Name		Comments				
Production	SJ 32 Fed 12 1A		32N 9W 12 SE				
Production	Southern Ute 21-2		32N 8W 21 NE SW NE				
Production	Southern Ute 21-1		32N 8W 21 NW SE				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

TRAIL CANYON 100S

DEVELOPMENT

Logging Program:	
Intermediate Logs:	<input type="checkbox"/> Log only if show <input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo

TD Logs:	<input type="checkbox"/> Triple Combo <input type="checkbox"/> Dipmeter <input type="checkbox"/> RFT <input type="checkbox"/> Sonic <input type="checkbox"/> VSP <input type="checkbox"/> TDT <input checked="" type="checkbox"/> Other
GR/CBL. Case & frac.	

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

**Directions from the intersection of Hwy 516 and Hwy 550 in Aztec, New Mexico, to
the
Burlington Resources Oil & Gas Company LP**

Trail Canyon #100S well location

From the intersection of Hwy 516 and Hwy 550 in Aztec, New Mexico (Lat. 36.82583° N, Long. 107.99361° W):

Travel northeast on Hwy 550 4.1 mi to CR 2770 at the turnoff for Hart Canyon (Lat. 36.86972° N, Long. 107.94944° W).

Turn right on CR 2770 and travel easterly 6.6 mi to a fork in the road (Lat. 36.87444° N, Long. 107.83472° W).

Take the fork to the left (Arkansas Loop Road) and travel northerly 9.6 mi to another fork in the road (Lat. 36.97806° N, Long. 107.77167° W).

Take the fork to the right and travel northeasterly 2.0 mi (Lat. 36.98667° N, Long. 107.74528° W).

Turn left on a field road and travel northeasterly 1.2 mi (through a locked gate after 0.1 mi) to a well access road (Lat. 36.99361° N, Long. 107.73000° W).

Turn left again and travel easterly 0.2 mi to the new access on the right (south) side of the road (Lat. 36.99472° N, Long. 107.72722° W).

The new access continues easterly 1397' to the proposed Trail Canyon #100S well location (Lat. 36.99546° N, Long. 107.72261° W).