

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

FEB 11 2011

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 USA SF-077874 Unit Reporting Number	Farmington Field Office Bureau of Land Management
1b. Type of Well GAS		6. If Indian, All. or Tribe	
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company, LP		7. Unit Agreement Name RCVD APR 15 '11 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 Hanks 9. Well Number 501S	
4. Location of Well Surface: Unit K(NESW), 1935' FSL & 1825' FWL  Surface: Latitude: 36.587714° N (NAD83) Longitude: 107.849785° W		10. Field, Pool, Wildcat Basin Fruitland Coal  11. Sec., Twn, Rge, Mer. (NMPM) Sec. 12, T27N, R10W  API # 30-045- 35249	
14. Distance in Miles from Nearest Town 20.3 Miles from Bloomfield, NM		12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1825'			
16. Acres in Lease 2,583.850		17. Acres Assigned to Well 320.00 Acres (W/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1265' from BROG-Hanks #3 (PC)			
19. Proposed Depth 2172'		20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6065' GL		22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached			
24. Authorized by: <u>Brandie Blakley</u> Brandie Blakley (Staff Regulatory Technician)		<u>2-10-11</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 4/12/11

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.

Example Master Plan Type 2

Bond Numbers NMB-000015 and NMB-000089



H<sub>2</sub>S POTENTIAL EXIST

APR 29 2011

NMOCD

PC

# RECEIVED

DISTRICT I  
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico  
Energy, Minerals & Natural Resources Department

FEB 11 2011

Form C-102  
Revised October 12, 2005

DISTRICT II  
1301 West Grand Avenue, Artesia, N.M. 88210

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

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

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

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-35249	<sup>2</sup> Pool Code 71629	<sup>3</sup> Pool Name BASIN FRUITLAND COAL
<sup>4</sup> Property Code 7082	<sup>5</sup> Property Name HANKS	<sup>6</sup> Well Number 501S
<sup>7</sup> GRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	<sup>9</sup> Elevation 6065'

### <sup>10</sup> Surface Location

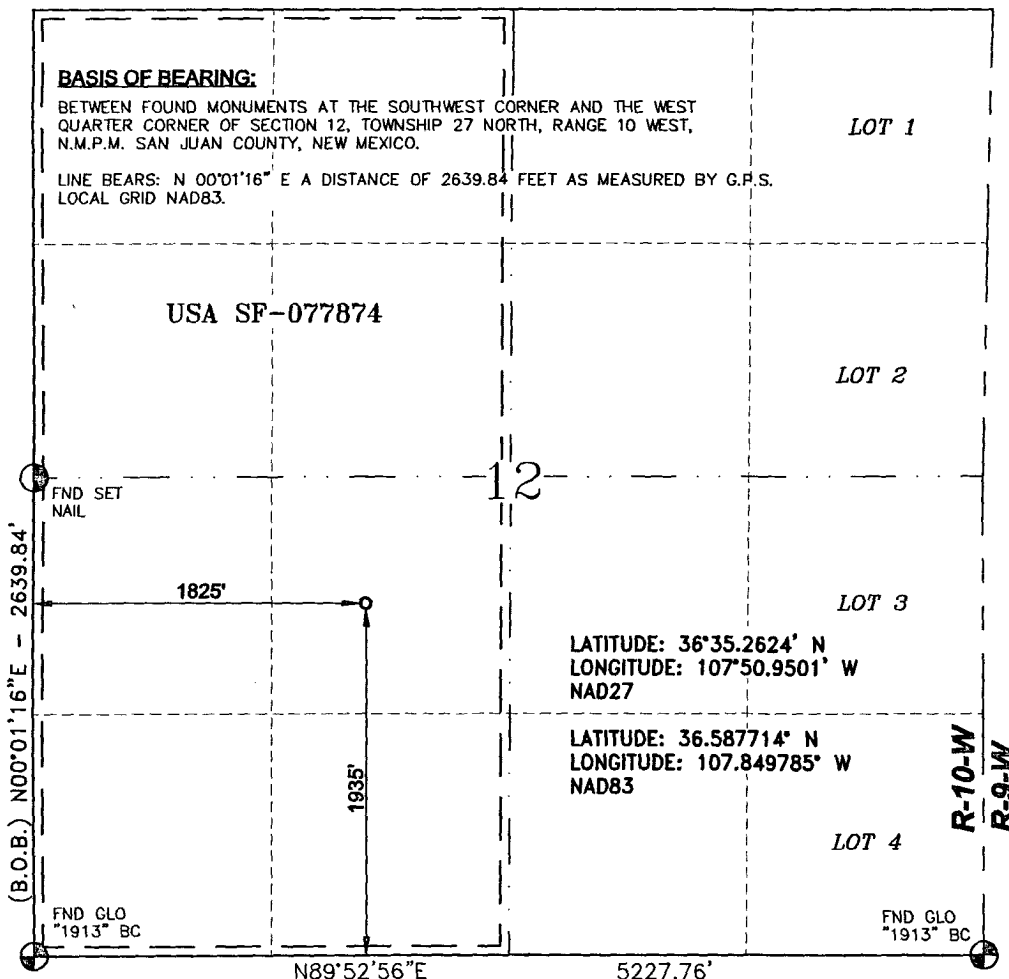
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	12	27-N	10-W		1935'	SOUTH	1825'	WEST	SAN JUAN

### <sup>11</sup> 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
<sup>12</sup> Dedicated Acres FC 320.00 ACRES W/2			<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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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### <sup>17</sup> 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

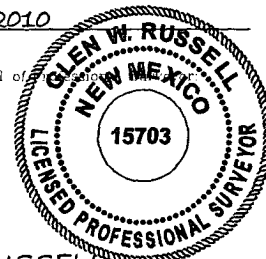
Signature  
Dollie L. Busse  
Printed Name

### <sup>18</sup> 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.

APRIL 20, 2010  
Date of Survey

Signature and Seal of



GLEN W. RUSSELL  
Certificate Number 15703

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HANKS 501S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0022		AFE \$: 561,510.00	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
				Phone:	

## Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.587706	Longitude: -107.849168	X:	Y:	Section: 12	Range: 010W
Footage X: 1825 FWL	Footage Y: 1935 FSL	Elevation: 6065	(FT)	Township: 027N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2013	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6080	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	5960		<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	1012	5068		<input type="checkbox"/>			
KIRTLAND	1172	4908		<input type="checkbox"/>			
FRUITLAND	1540	4540		<input type="checkbox"/>			Gas
FRUITLAND COAL	1767	4313		<input type="checkbox"/>	175		
PICTURED CLIFFS	1972	4108		<input type="checkbox"/>	59		Gas; TD - 200' below T/PCCF
Total Depth	2172	3908		<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 291 cuft. Circulate cement to surface.

## Reference Wells:

Reference Type	Well Name	Comments
Production	Hanks 13-E	27N 10W 12 SW NE NW
Production	Hanks 501	27N 10W 12 NE SW NW
Production	Hanks 14-E	27N 10W 12 NE SW SE

## Logging Program:

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

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

Cased Hole GR / CBL

## Additional Information:

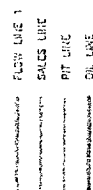
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - FCNM027N010W12SW1 Stay at least 800' away from Hanks 3, a PC producer. Prefer N, K, L, M.

Zones - FCNM027N010W12SW1

General/Work Description - 1/24/11-GW test well requested by Regulatory wfn

Printed on: 2/9/2011 1:23:01 PM



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Directions from the Intersection of Hwy 550 and Hwy 64  
in Bloomfield, NM

To:

Burlington Resources Oil & Gas Company LP  
HANKS #501S

1935' FSL & 1825' FWL,

Section 12, T27N, R10W, N.M.P.M., San Juan County,  
New Mexico

Latitude: 36° 35' 15.771" N

Longitude: 107° 50' 59.227" W

Nad 1983

From the Intersection of Hwy 550 and Hwy 64,  
Take Hwy 550 (south) for 8.4 miles,  
Turn left (east) for 3.5 mile across Kutz Canyon,  
Continue (east-southeast) 2.4 miles by pump station,  
Stay left (northeast) 0.2 miles,  
Stay right (northeast) 1.0 miles,  
Stay right (easterly) 0.2 miles,  
stay left (northeasterly) 1.1 miles,  
stay right (northerly) 0.6 miles,  
stay right (southeast) 0.6 miles,  
stay right (southerly) 1.4 miles,  
stay right (southerly) 0.3 miles,  
turn left (southeast) 0.1 miles,  
stay left (southeasterly) 0.5 miles to beginning  
of new access on left side of road,  
turn left (northeasterly) for 200.80' to the newly staked location.