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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 19 2011

Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-077652 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 NOV 14 '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 East 9. Well Number 103S
4. Location of Well Surface: Unit D (NWNW), 735' FNL & 760' FWL Surface: Latitude: 36.903756° N (NAD83) Lot 4 Longitude: 108.071587° W	10. Field, Pool, Wildcat Basin FC/Glades FS 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 14, T31N, R12W API # 30-045- 35312
14. Distance in Miles from Nearest Town 7.3 Aztec	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 735'	
16. Acres in Lease 2514.580	17. Acres Assigned to Well 280.06 acres W/2 FC 140.78 acres NW/4 FS
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 71' East #7 (MV/DK)	
19. Proposed Depth 3054'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6338' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Arleen Kellywood</u> Arleen Kellywood (Staff Regulatory Tech)	<u>9/19/11</u> Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 11/3/11

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

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

NOV 21 2011
ca

NMOCD W

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

DISTRICT II
1301 West 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

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

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Form C-102 Revise
July 16, 201
Submit one copy to appropriate
District Office

Farmington Field Office
Bureau of Land Management ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- <u>35312</u>	² Pool Code 71629 / 77410	³ Pool Name GLADES BASIN FRUITLAND COAL / FRUITLAND SAND
⁴ Property Code 18517	⁵ Property Name EAST	⁶ Well Number 103S
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6338'

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
D	14	31-N	12-W		735	NORTH	760	WEST	SAN JUAN

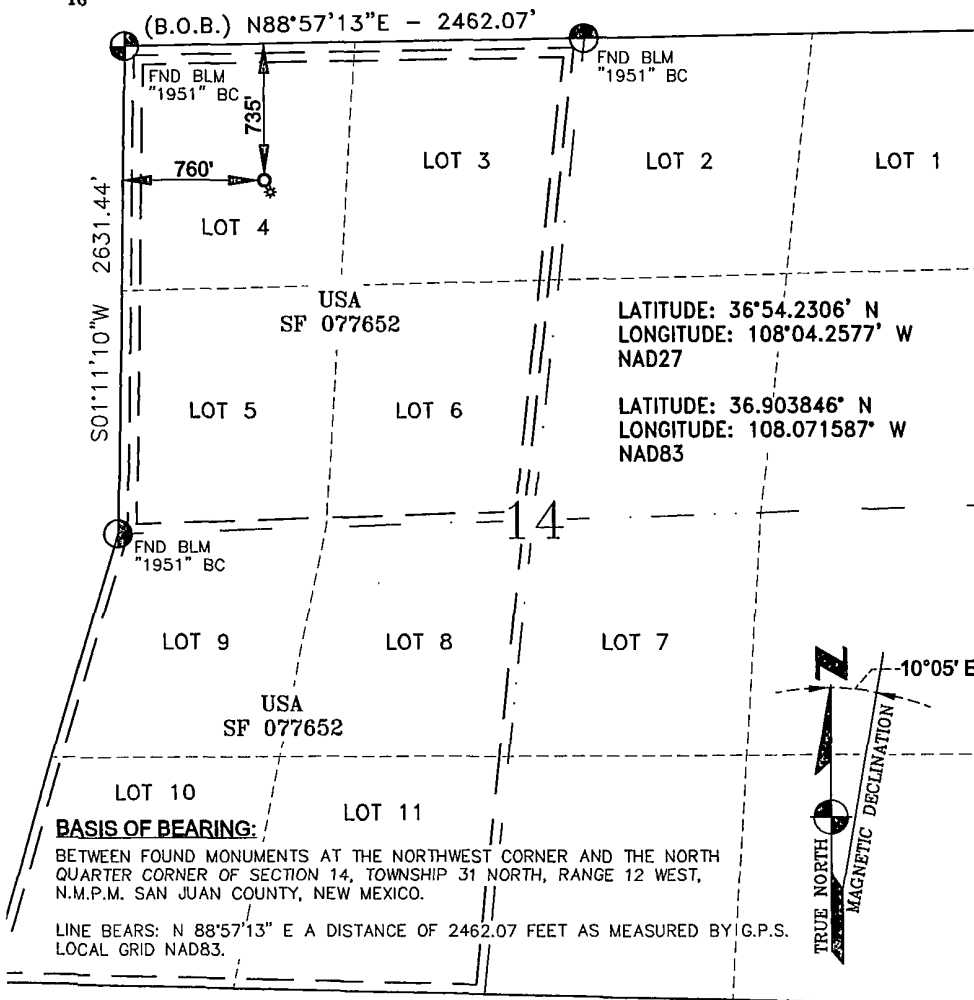
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres FC 280.06 ACRES W/2 FS 140.78 ACRES NW/4	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

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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 of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Dollie L. Busse 4/12/11
Signature Date
Dollie L. Busse
Printed Name

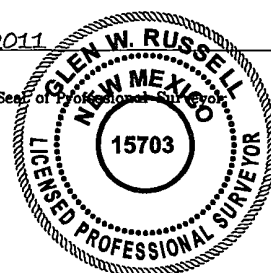
E-mail Address

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.

APRIL 7, 2011
Date of Survey

Signature and Seal of Professional Surveyor



GLEN W. RUSSELL
Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

EAST 103S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0119		AFE \$:	
Field Name: SAN JUAN		Rig: XXX 2015 Holding Rig		State: NM	County: SAN JUAN
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist:		Phone:	Prod. Engineer:		Phone:
Res. Engineer:		Phone:	Proj. Field Lead:		Phone:

Primary Objective (Zones)	
Zone	Zone Name
R20003	PICTURED CLIFFS(R20003)
RCO087	FRUITLAND SAND(RCO087)
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface		Datum Code: NAD 83		Straight Hole	
Latitude: 36.903844	Longitude: -108.070960	X:	Y:	Section: 14	Range: 012W
Footage X: 760 FWL		Footage Y: 735 FNL		Elevation: 6338 (FT)	Township: 031N
Tolerance:					

Location Type: Year Round		Start Date (Est.): 1/1/2015		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6353		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6153		<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 77 cuft. Circulate cement to surface.
OJO ALAMO	1189	5164		<input type="checkbox"/>			
KIRTLAND	1237	5116		<input type="checkbox"/>			
FRUITLAND	2214	4139		<input type="checkbox"/>			Gas
FRUITLAND COAL	2581	3772		<input type="checkbox"/>			
PICTURED CLIFFS	2854	3499		<input type="checkbox"/>	810		Gas; TD - 200' below T/PCCF
Total Depth	3054	3299		<input type="checkbox"/>	109		6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 408 cuft. Circulate cement to surface.

Reference Wells:		
Reference Type	Well Name	Comments
Production	EAST-7F	31N 12W 14 NE SE NW
Production	RICHARDSON-7-E	31N 12W 15 NW SE NE
Production	RICHARDSON-100	31N 12W 15 SE NW NE

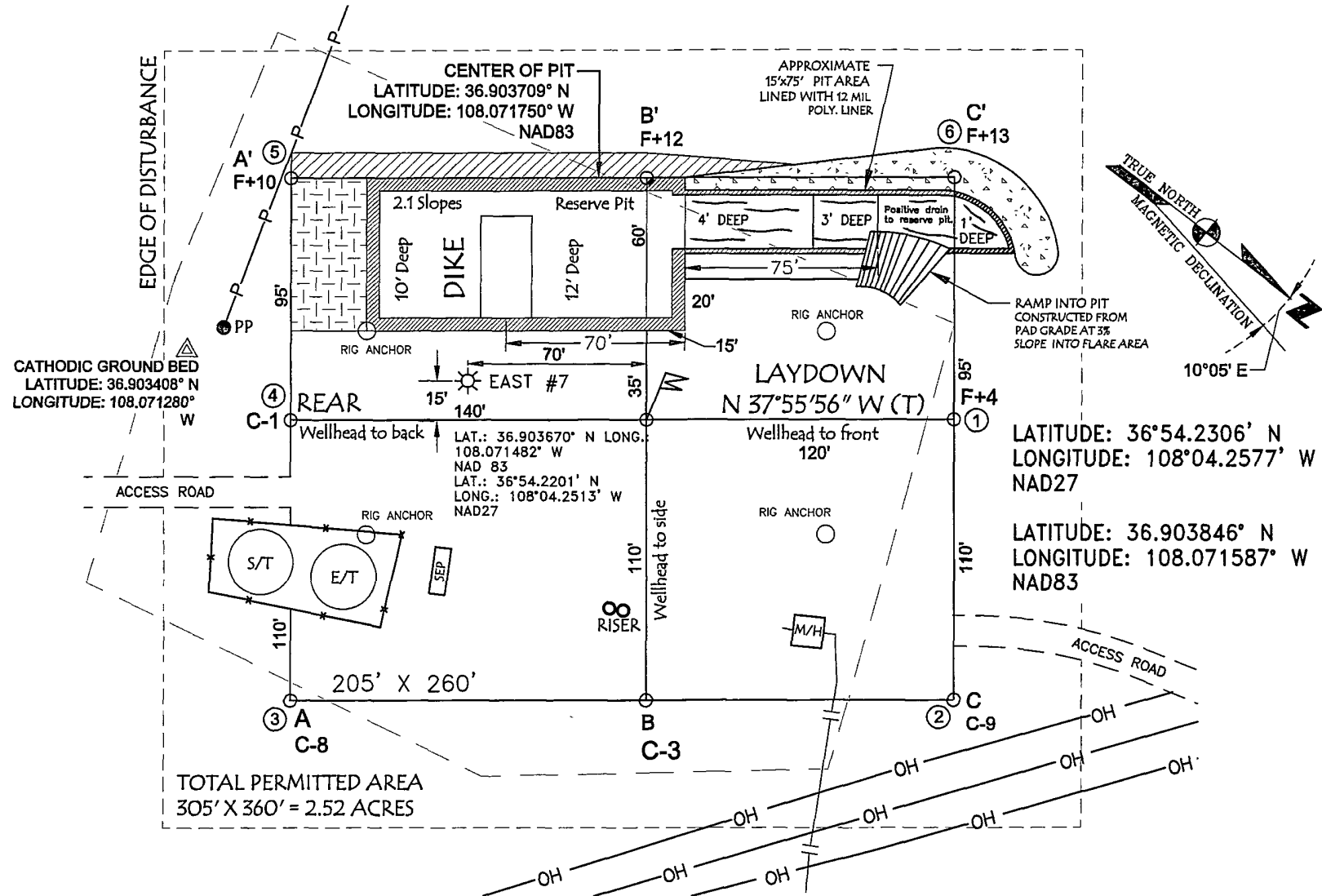
Logging Program:	
Intermediate Logs:	<input type="checkbox"/> Log only if show <input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo

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
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Cased Hole GR / CBL

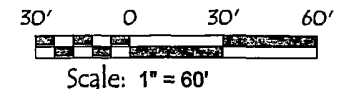
Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

BURLINGTON RESOURCES OIL & GAS COMPANY LP
EAST #103S, 735' FNL & 760' FWL
SECTION 14, T-31-N, R-12-W, NMPM, SAN JUAN COUNTY, NM
GROUND ELEVATION: 6338', DATE: MARCH 9, 2011



NOTES:

1. VECTOR SURVEYS 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 AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.
2. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).



Directions from the Intersection of
Highway 516 & Highway 574 in Aztec, NM
to

BURLINGTON RESOURCES OIL & GAS COMPANY LP
EAST #103S

735' FNL & 760' FWL,
Section 14, T31N, R12W, N.M.P.M., San Juan County,
New Mexico

Latitude: 36° 54'13.846" N
Longitude: 108° 04'17.715" W
Nad 83

Go north on Hwy 574 for 6.6 miles
turn right (northerly) for 0.5 miles,
stay left (northerly) for 0.15 miles,
to the newly staked location twinned
w/ the existing location EAST #7.