

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 19 2011

Farmington Field Office
Bureau of Land Management

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078883 Unit Reporting Number NMNM-78383D-DK	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name Canyon Largo Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 485E	
4. Location of Well Surface: Unit J(NWSE), 2515' FSL & 1890' FEL Surface: Latitude: 36.413931° N (NAD83) Longitude: 107.487922° W	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 8, T25N, R6W API # 30-039-31060	
14. Distance in Miles from Nearest Town 44.3 miles from Bloomfield, NM	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1890'	17. Acres Assigned to Well 320.00 acres DK E/2	
16. Acres in Lease 2410.550 acres		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1555' from Canyon Largo Unit 486 (DK)		
19. Proposed Depth 7219' <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.) 6660' 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>Dolcie L. Busse</u> Dolcie L. Busse (Staff Regulatory Tech)	<u>4/19/11</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 6/23/2011

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 3

Bond Numbers NMB-000015 and NMB-000089



H₂S POTENTIAL EXIST

JUL 25 2011

NMOC

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

A gas recovery unit may or may not be used on this location.

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

RECEIVED

APR 19 2011
Submit one copy to Appropriate District Office
Farmington Field Office
Bureau of Land Management

Form C-102
Revised July 16, 2010

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31060	² Pool Code 71599	³ Pool Name BASIN DAKOTA
⁴ Property Code 6886	⁵ Property Name CANYON LARGO UNIT	⁶ Well Number 485E
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6660'

¹⁰ Surface Location

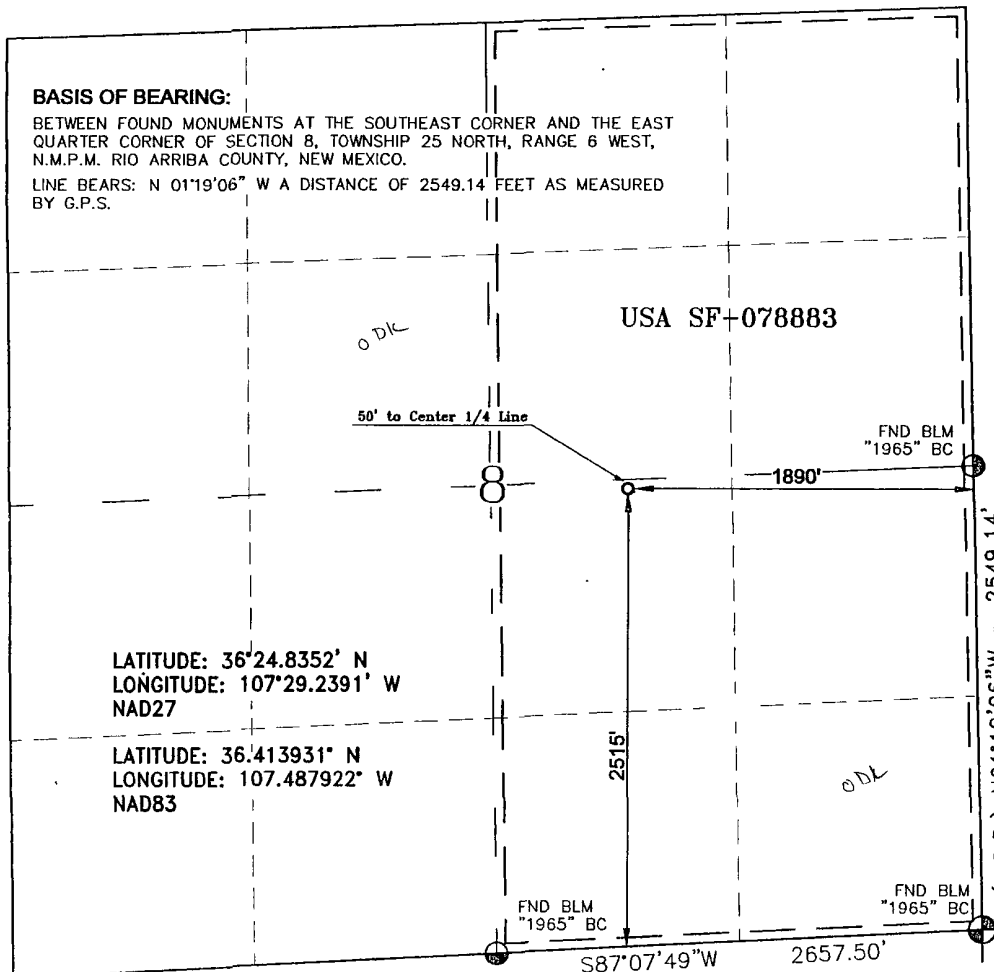
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	8	25-N	6-W		2515	SOUTH	1890	EAST	RIO ARriba

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
J									
¹² Dedicated Acres DK 320.00 ACRES E/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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 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: Brandie Blakley Date: 12-26-10

Printed Name: Brandie Blakley

E-mail Address: blaklbn@conocophillips.com

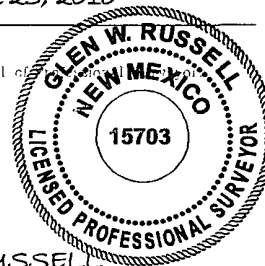
SURVEYOR CERTIFICATION

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.

NOVEMBER 23, 2010

Date of Survey

Signature and Seal of



GLEN W. RUSSELL

Certificate Number

15703

107°31'00" W

107°30'00" W

WGS84 107°29'00" W

BURLINGTON RESOURCES OIL & GAS COMPANY LP

CANYON LARGO UNIT #485E

2515' FSL & 1890' FEL

SEC. 8, T25N R6W, NMMPM

RIO ARriba COUNTY, NEW MEXICO

APD MAP

43.09' NEW BLM ACCESS

36°27'00" N

36°26'00" N

36°25'00" N

36°27'00" N

36°26'00" N

36°25'00" N

EXISTING ACCESS

ERA

36° 24' 52" N

107° 29' 21" W

NAD 83

CANYON LARGO UNIT #485E

43.09' NEW BLM ACCESS

Map created with TOPOLIO © 2007 National Geographic

107°31'00" W

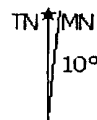
107°30'00" W

WGS84 107°29'00" W



NATIONAL
GEOGRAPHIC

0.0 0.5 1.0 miles
0.0 0.5 1.0 1.5 km



11/24/10

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

CANYON LARGO UNIT 485E

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0112				AFE \$: 480,970.00	
Field Name: SAN JUAN		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA		API #:
Geologist:	Phone:	Geophysicist:		Phone:			
Geoscientist:	Phone:	Prod. Engineer:		Phone:			
Res. Engineer:	Phone:	Proj. Field Lead:		Phone:			
Primary Objective (Zones):							
Zone	Zone Name						
R20076	DAKOTA(R20076)						
Location: Surface Datum Code: NAD 27							
Latitude: 36.413920		Longitude: -107.487318		X:	Y:	Section: 08	Range: 006W
Footage X: 1890 FEL		Footage Y: 2515 FSL		Elevation: 6660 (FT)	Township: 025N		
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6675 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6475		<input type="checkbox"/>			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	2070	4605		<input type="checkbox"/>			
KIRTLAND	2197	4478		<input type="checkbox"/>			
FRUITLAND	2320	4355		<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2703	3972		<input type="checkbox"/>			
LEWIS	2753	3922		<input type="checkbox"/>			
HUERFANITO BENTONITE	3068	3607		<input type="checkbox"/>			
CHACRA	3537	3138		<input type="checkbox"/>			
UPPER CLIFF HOUSE	4270	2405		<input type="checkbox"/>			Gas; Cliffhouse is wet
MASSIVE CLIFF HOUSE	4290	2385		<input type="checkbox"/>			Gas
MENEFEE	4338	2337		<input type="checkbox"/>			
Intermediate Casing	4488	2187		<input type="checkbox"/>		128	8 3/4" Hole. 7", 20/23 ppf, J-55, STC/LTC Casing. Cement with 1011 cuft. Circulate cement to surface.
POINT LOOKOUT	4903	1772		<input type="checkbox"/>			
MANCOS	5225	1450		<input type="checkbox"/>			
UPPER GALLUP	5971	704		<input type="checkbox"/>			
GREENHORN	6872	-197		<input type="checkbox"/>			
GRANEROS	6929	-254		<input type="checkbox"/>			
TWO WELLS	6978	-303		<input type="checkbox"/>	3242		Gas
PAGUATE	7018	-343		<input type="checkbox"/>			
UPPER CUBERO	7095	-420		<input type="checkbox"/>			
LOWER CUBERO	7127	-452		<input type="checkbox"/>			
ENCINAL	7169	-494		<input type="checkbox"/>			TD - 50' below T/ENCN; Est. Btm Perf - 7199 (- 524) based on offset wells
Total Depth	7219	-544		<input type="checkbox"/>		180	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 376 cuft. Circulate cement a minimum of 100' inside the previous casing string.

PROJECT PROPOSAL - New Drill / Sidetrack

CANYON LARGO UNIT 485E

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments
Production	Canyon Largo Unit 144	25N 6W 17 SE NW NW
Production	Canyon Largo Unit 486	25N 6W 8 SW SE NW
Production	Canyon Largo Unit 485	25N 6W 8 NW SE SE

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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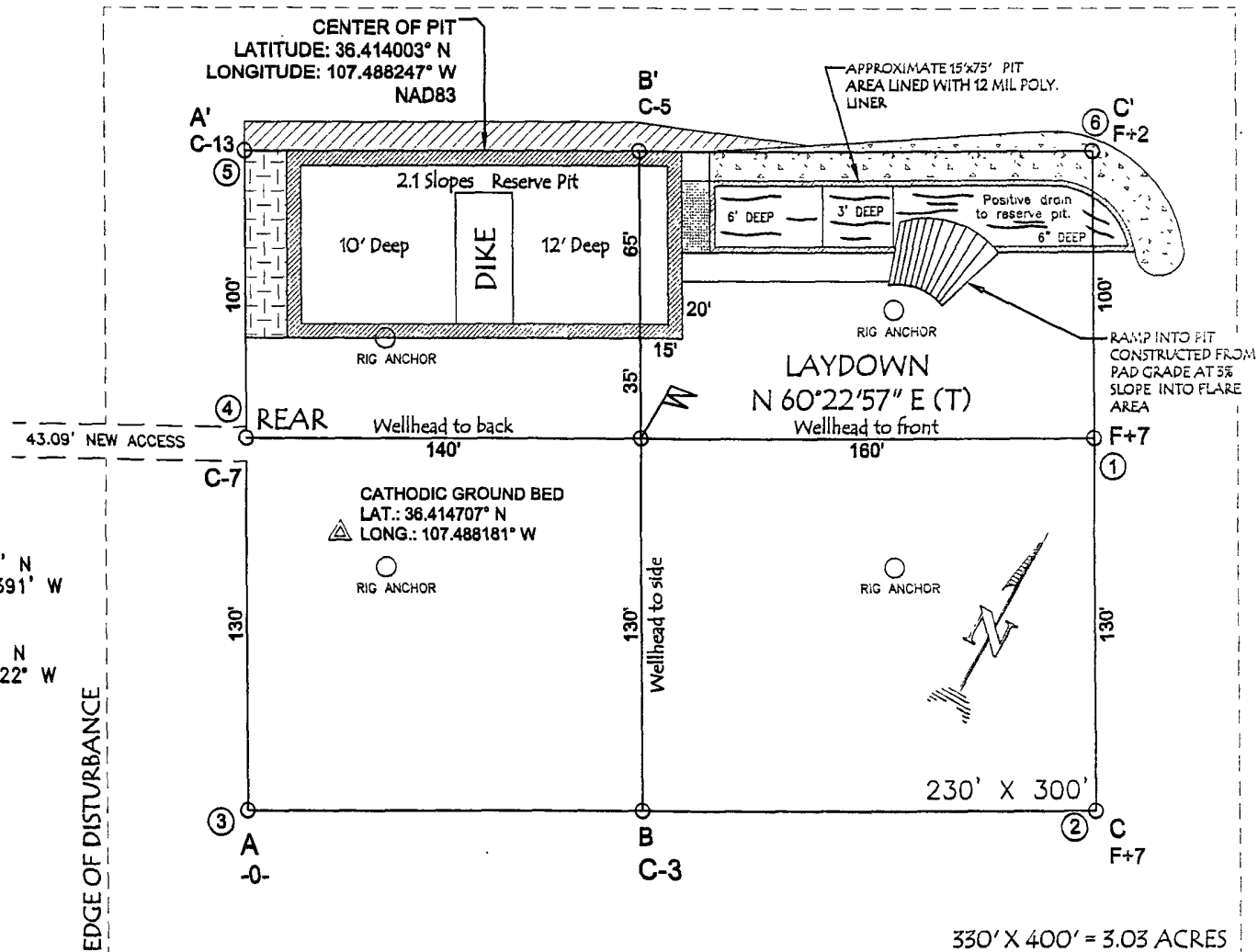
Cased Hole GR / CBL

Mudlog from 100' above top of GLLP to TD - mudlogger will call TD.

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

BURLINGTON RESOURCES OIL & GAS COMPANY LP

CANYON LARGO UNIT #485E, 2515' FSL & 1890' FEL
SECTION 8, T-25-N, R-6-W, NMPM, RIO ARriba COUNTY, NM
GROUND ELEVATION: 6660', DATE: OCTOBER 27, 2010



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
Hwy 550 & Hwy 64 in Bloomfield, NM

To:

Burlington Resources Oil & Gas Company LP
CANYON LARGO UNIT #485E

2515' FSL & 1890' FEL,
Section 8, T25N, R6W, N.M.P.M., Rio Arriba,
New Mexico

Latitude: 36 ° 24' 50.152" N

Longitude: 107 ° 29' 16.520" W

NAD 1983

Take Hwy 550 (south) for 1.0 miles
to CR 4900 (South Sullivan Road)
turn left (easterly) on CR 4900 15.0 miles to 5 Mile Bridge,
stay right @ intersection (southeasterly) for 3.2 miles,
across 10 mile bridge continue (southeasterly) 18.2 miles
to Old Largo Canyon School,
Turn right (southerly) 2.5 miles to Truby's Ranch,
turn right (southeasterly) 2.2 miles to
Dogie Canyon pumping station,
Turn right (southerly) 1.4 miles, to top of Pine Tree Mesa,
Continue (southwest) 0.6 miles,
Turn left (southeast) 0.2 miles,
to beginning of new access on left side of road,
turn left (east) 43.09' to the newly staked location.