

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 11 2010

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-080672 Unit Reporting Number NMNM78408A(MV)	
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 27-4 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 155A RCVD JAN 28 '11 OIL CONS. DIV. DIST. 3	
4. Location of Well Unit M(SWSW), 1117' FSL & 988' FWL Latitude: 36.554611° N (NAD83) Longitude: 107.208437° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) M Sec. 24, T27N, R4W API # 30-039- 30967	
14. Distance in Miles from Nearest Town 94 miles / Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 988'	17. Acres Assigned to Well 320.00 W/2 -- MV/DK	
16. Acres in Lease 2,560.00		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 72' from San Juan 27-4 Unit 81 (PC)		
19. Proposed Depth 8454'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7170' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	S/11/2010 Date	

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE ACT DATE 4/26/2011

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 3

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

[Signature] NMOCD
FEB 08 2011

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

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

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

RECEIVED

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

MAY 11 2010

State Lease - 7 Copies

Fee Lease - 3 Copies

Bureau of Land Management
Farmington Field Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ AP# Number 30-039-309107		² Pool Code 72319 / 71599		³ Pool Name BASIN MESAVERDE / DAKOTA	
⁴ Property Code 7452		⁵ Property Name SAN JUAN 27-4 UNIT			⁶ Well Number 155A
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			⁹ Elevation 7170

¹⁰ SURFACE LOCATION

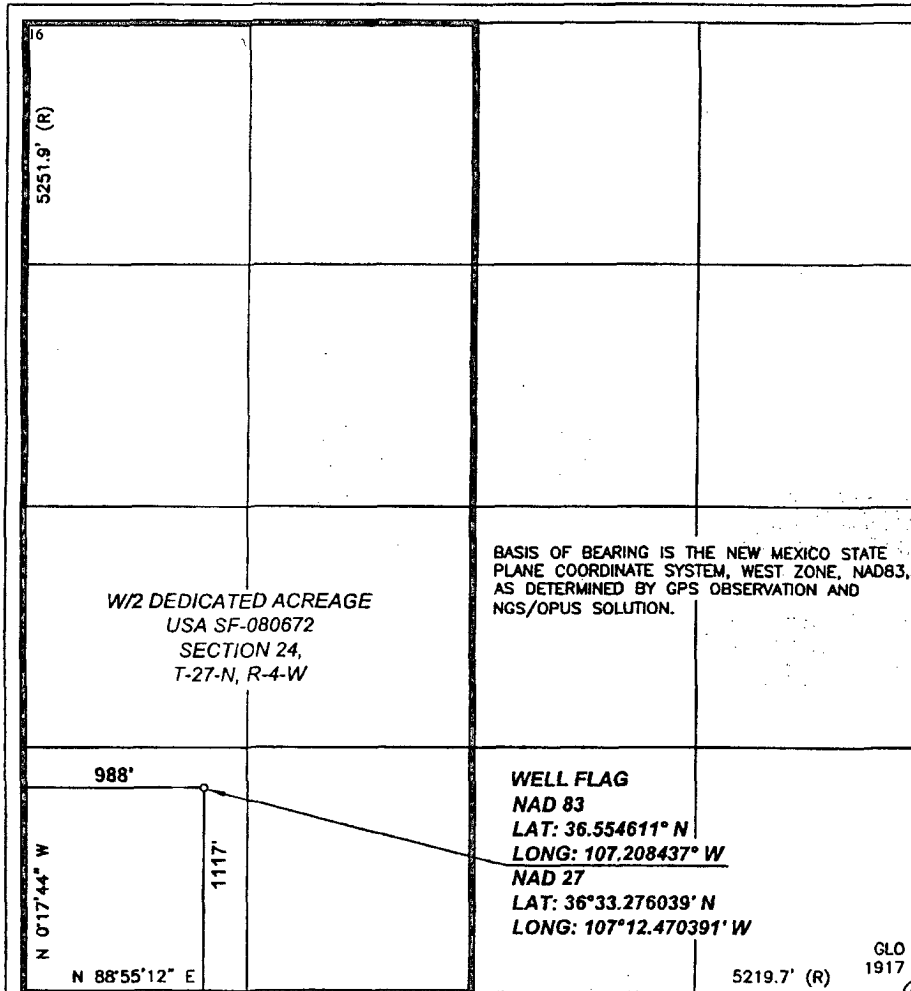
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	24	27-N	4-W		1117	SOUTH	988	WEST	RIO ARriba

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
M									

¹² Dedicated Acres 320.00 W/2	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

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 5/4/10
Signature

Crystal Tafoya

Printed Name

Regulatory Technician

Title and E-mail Address

May 4, 2010

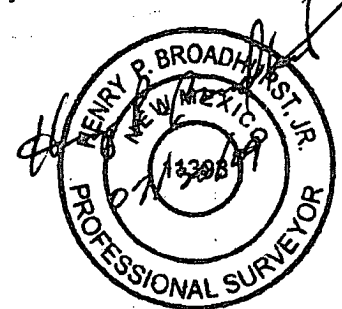
Date

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.

Date of Survey: 7/15/09

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-4 UNIT 155A

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9125		AFE \$: 892,282.18	
Field Name: SAN JUAN 27-4 UNIT		Rig: H&P Rig 283		State: NM	County: RIO ARRIBA
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist:		Phone:	Prod. Engineer:		Phone:
Res. Engineer:		Phone:	Proj. Field Lead:		Phone:
Primary Objective (Zones):					
Zone	Zone Name				
R20002	MESAVERDE(R20002)				
R20076	DAKOTA(R20076)				
Location: Surface Datum Code: NAD 27 Straight Hole					
Latitude: 36.554601	Longitude: -107.207839	X:	Y:	Section: 24	Range: 004W
Footage X: 988 FWL	Footage Y: 1117 FSL	Elevation: 7170	(FT)	Township: 027N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 7186 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	201	6985	<input type="checkbox"/>		
12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.					
NACIMIENTO	2278	4908	<input type="checkbox"/>		
OJO ALAMO	3440	3746	<input type="checkbox"/>		
KIRTLAND	3594	3592	<input type="checkbox"/>		
FRUITLAND	3676	3510	<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	4024	3162	<input type="checkbox"/>		
LEWIS	4105	3081	<input type="checkbox"/>		
Intermediate Casing	4205	2981	<input type="checkbox"/>		
8 3/4" Hole. 7", 20 ppf, J-55, LTC Casing. Cement with 4204 cuft. Circulate cement to surface.					
HUERFANITO BENTONITE	4488	2698	<input type="checkbox"/>		
CHACRA	4988	2198	<input type="checkbox"/>		
UPPER CLIFF HOUSE	5591	1595	<input type="checkbox"/>		Gas; Est. Top Perf - 5592 (1593)
MASSIVE CLIFF HOUSE	5737	1449	<input type="checkbox"/>	898	Gas; Cliffhouse is dry
MENEFEE	5866	1320	<input type="checkbox"/>		
POINT LOOKOUT	6140	1046	<input type="checkbox"/>		
MANCOS	6707	479	<input type="checkbox"/>		
UPPER GALLUP	7338	-152	<input type="checkbox"/>		
GREENHORN	8148	-962	<input type="checkbox"/>		
GRANEROS	8204	-1018	<input type="checkbox"/>		
TWO WELLS	8248	-1062	<input type="checkbox"/>	3350	Gas
PAGUATE	8318	-1132	<input type="checkbox"/>		
UPPER CUBERO	8356	-1170	<input type="checkbox"/>		
LOWER CUBERO	8399	-1213	<input type="checkbox"/>		Est. Btm Perf -8417 (-1232) based on offset wells
OAK CANYON	8420	-1234	<input type="checkbox"/>		
Total Depth	8454	-1268	<input type="checkbox"/>		
6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55/L-80, STC/LTC casing. Cement w/ 578 cuft. Circulate cement a minimum of 100' inside the previous casing string.					
ENCINAL	8454	-1268	<input type="checkbox"/>		TD - T/ENCN

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-4 UNIT 155A

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments
Production	Champlin 5C	27N 4W 25 E2 SW SW
Production	Champlin 8-25	27N 4W 25 SE NW SE
Production	Champlin 7B	27N 4W 25 SE NW NE
Production	Champlin 6-25	27N 4W 25 NW SE NW

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 GRHN to TD - mudlogger will call TD due to lack of control in the area.

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

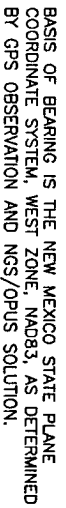
SAN JUAN 27-4 UNIT #155A

SECTION 24, T-27-N, R-4-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

ELEV.: 7170 NAVD88 DATE: JULY 15, 2009

NO NEW ACCESS



CHENAULT CONSULTING INC.
P.O. BOX 328
BLOOMFIELD, NM, 87413
PHONE: (505) 325-7707

NAD 83 LAT.: 36.554611°N / LONG.: 107.208437°W

330' x 400' = 3.03 ACRES

1. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE).

2. C.C.I. 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.

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT #155A

1117' FSL, 988' FWL

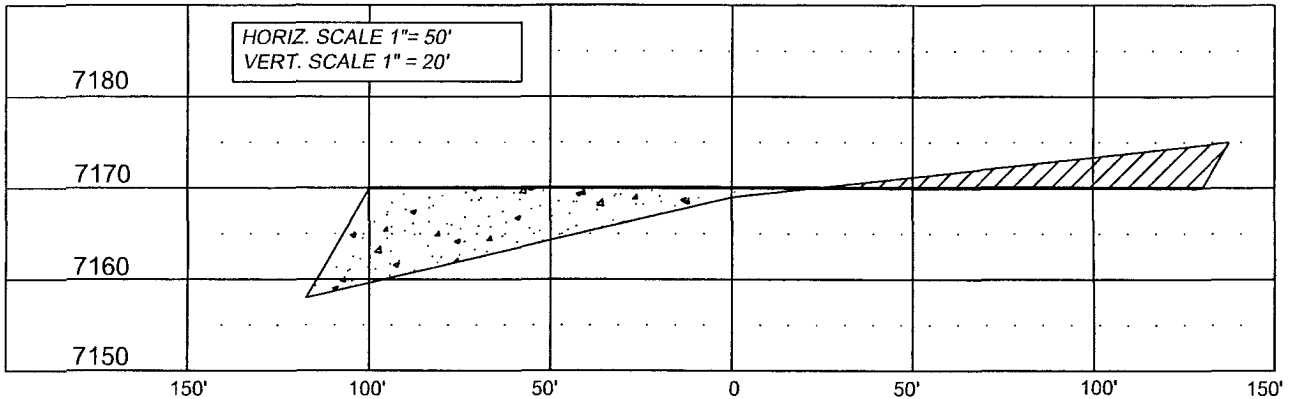
SECTION 24, T-27-N, R-4-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

ELEV.: 7170 NAVD88

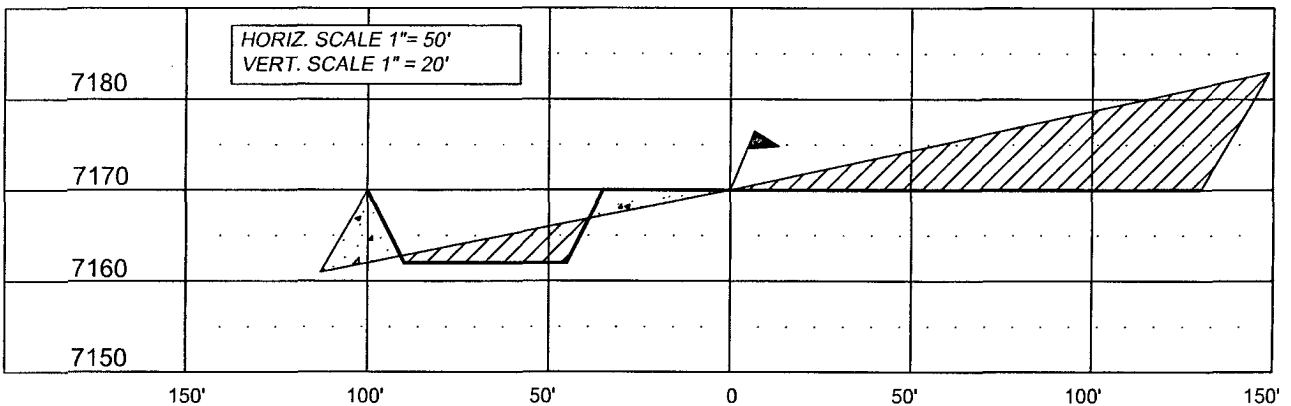
A - A'

C/L



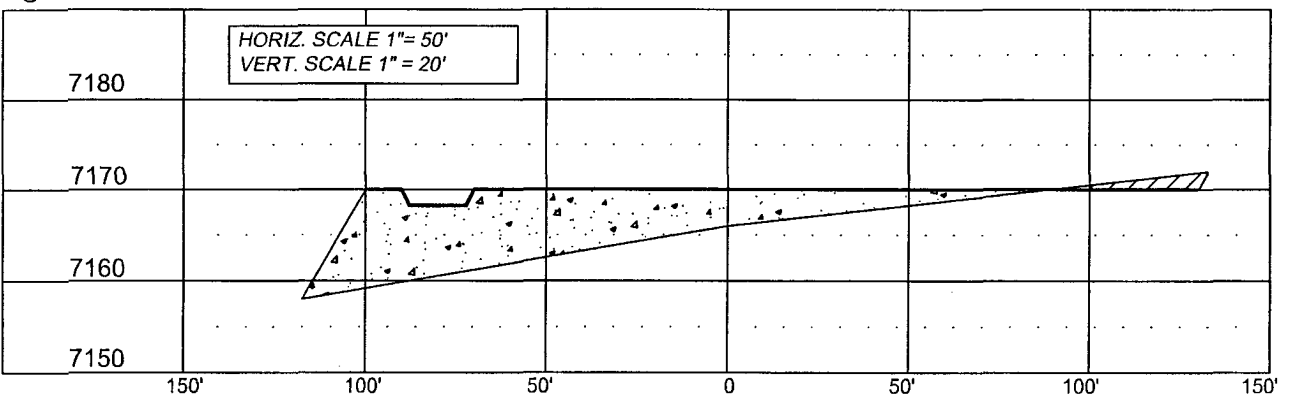
B - B'

C/L



C - C'

C/L



NOTE: CCI 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 PRIOR TO CONSTRUCTION.

REVISIONS

NO.	DESCRIPTION	REVISED BY	DATE
1	ISSUED FOR REVIEW	LH	7/17/09

CCI

P.O. BOX 328
BLOOMFIELD, NM, 87413
PHONE: (505) 325-7707

CHENULT CONSULTING INC.