

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD APR 16 '08

OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED MAR 10 2008 Bureau of Land Management Farmington Field Office	5. Lease Number USA NM-12013 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	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name EPNG A 9. Well Number #1B	
4. Location of Well Surf: Unit G(SWNE), 1815' FNL & 1865' FEL Btmhl: Unit A(NENE), 815' FNL & 710' FEL Surf: Latitude 36.96811° N Longitude 107.46092° W Btmhole: Latitude 36.97089° N Longitude 107.45689° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) G Sec. 21, T32N, R6W API # 30-045-34629	
14. Distance in Miles from Nearest Town 24 miles/Ignacio	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 710'		
16. Acres in Lease 320.00	17. Acres Assigned to Well 320.00 Acres - (E/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 52' from EPNG A #1A - MV		
19. Proposed Depth 8045'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6396' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Walker</u> Crystal Walker (Regulatory Technician)	3/10/08 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 3

Bond Numbers NMB-000015 and NMB-000089

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

NMOCD

Hold C104

for Directional Survey
and "As Drilled" plat

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4
DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

RECEIVED

MAR 10 2008

Form C-102

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

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

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

Revised October 12, 2005
Submit to: Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- <u>34629</u>	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA \ BLANCO MESA VERDE
⁴ Property Code <u>A722595</u>	⁵ Property Name EPNG A	⁶ Well Number 1B
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6396'

¹⁰ Surface Location

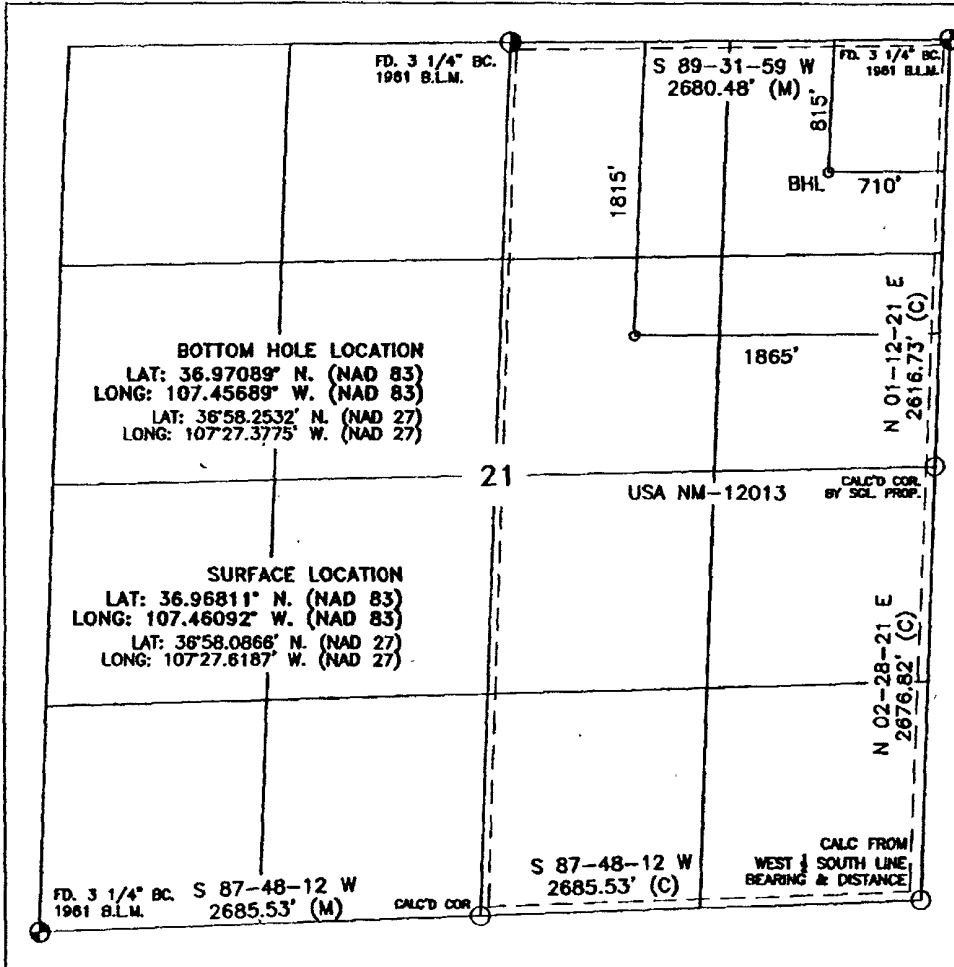
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	21	32-N	6-W		1815	NORTH	1865	EAST	SAN JUAN

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
A	21	32-N	6-W		815	NORTH	710	EAST	SAN JUAN
¹² Dedicated Acres 320 AC \ 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

18



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 Walker 3/10/08
Signature Date

Crystal Walker 3-10-08

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.

AUGUST 7, 2007
Date of Survey
Signature and Seal of Registered Surveyor
8804
Certificate Number

State of New Mexico

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-045-34629

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

NM-12013

7. Lease Name or Unit Agreement Name

EPNG A

8. Well Number

1B

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Dakota/Blanco Mesaverde

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐Gas Well ☒

Other

2. Name of Operator

BURLINGTON RESOURCES OIL & GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter G : 1815 feet from the North line and 1865 feet from the East lineSection 21 Township 32N Rng 6W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

6396' GR

Pit or Below-grade Tank Application

or Closure ☐

Pit type

New Drill

Depth to Groundwater

>100'

Distance from nearest fresh water well

>1000'

Distance from nearest surface water

<1000'

Pit Liner Thickness:

12

mil

Below-Grade Tank:

Volume

4400

bbls;

Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐TEMPORARILY ABANDON ☐PULL OR ALTER CASING ☐PLUG AND ABANDON ☐CHANGE PLANS ☐MULTIPLE COMPL ☐

OTHER:

New Drill ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐COMMENCE DRILLING OPNS. ☐CASING/CEMENT JOB ☐ALTERING CASING ☐P AND A ☐OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

New Drill, Lined:

Burlington Resources proposes to construct a new drilling pit and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit will be a lined pit as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids and that portion will be lined as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

Crystal Walker

TITLE

Regulatory Technician

DATE

3/10/2008

Type or print name

Crystal Walker

E-mail address:

crystal.walker@conocophillips.com

Telephone No.

505-326-9837

For State Use Only

Deputy Oil & Gas Inspector,
District #3

APPROVED BY

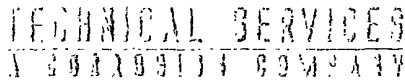
[Signature]

TITLE

DATE

APR 17 2008

Conditions of Approval (if any):

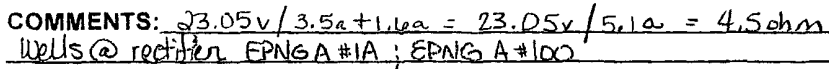


WELL NAME EPN6 A #13 LEGALS G-21-32-6 COUNTY San Juan

A hand-drawn schematic diagram of a ship's deck layout. The diagram includes the following labels and features:

- Existing CP system**: Located at the top center, with a line pointing to a small structure on the deck.
- WPS P/L**: Two labels, one at the top left and one on the right side, pointing to specific locations on the deck.
- Doverhead A/C**: Located on the left side, pointing to a rectangular unit.
- New GB**: Located on the left side, pointing to a rectangular unit below the Doverhead A/C.
- BP**: A small rectangular unit located at the bottom left.
- R.P**: A large rectangular unit located in the bottom right area.
- EPNG A#1A**: Located at the bottom center, with a line pointing to a curved structure.
- North Arrow**: Located at the top left, pointing upwards.

The diagram uses dashed lines to indicate boundaries or paths and solid lines for equipment outlines. Various symbols like circles and triangles are used to mark specific points of interest.



NEAREST POWER SOURCE: Existing Rectifier on EPNG A #1A DISTANCE: same location
PIPELINES IN AREA: WFS PL

TECHNICIAN: Nickeloff, Joseph DATE: 10/20/07

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

EPNG A 1B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7229				AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 673		State: NM	County: SAN JUAN		API #:
Geologist:	Phone:	Geophysicist:		Phone:			
Geoscientist: Head, Chip F	Phone: 505-326-9772	Prod. Engineer:		Phone:			
Res. Engineer: Prabowo, Wahyu	Phone: 505-326-9797	Proj. Field Lead:		Phone:			
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Datum Code: NAD 27							
Latitude: 36.968105	Longitude: -107.460315	X:	Y:	Section: 21		Range: 006W	
Footage X: 1865 FEL	Footage Y: 1815 FNL	Elevation: 6396	(FT)	Township: 032N			
Tolerance:							
Location: Datum Code: NAD 27							
Latitude: 36.970885	Longitude: -107.456285	X:	Y:	Section: 21		Range: 006W	
Footage X: 710 FEL	Footage Y: 815 FNL	Elevation:	(FT)	Township: 032N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2008		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6408		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6208	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 157 cuft. Circulate cement to surface.	
OJO ALAMO	1978	4430	☐				
KIRTLAND	2038	4370	☐				
T/FRUITLAND COAL	2978	3430	☐				
PICTURED CLIFFS	3093	3315	☐				
LEWIS	3238	3170	☐				
HUERFANITO BENTONITE	4157	2251	☐				
CHACRA	4604	1804	☐				
Intermediate Casing	4750	1658	☐			8 3/4" Hole. 7", 20/23 ppf, J-55, STC/LTC Casing. Cement with 1061 cuft. Circulate cement to surface.	
MASSIVE CLIFF HOUSE	5336	1072	☐	700		Gas	
MENEFEE	5411	997	☐				
MASSIVE POINT LOOKOUT	5593	815	☐				
MANCOS	6095	313	☐				
UPPER GALLUP	6960	-552	☐				
GREENHORN	7684	-1276	☐				
GRANEROS	7732	-1324	☐				
PAGUATE	7838	-1430	☐	2500			
UPPER CUBERO	7850	-1442	☐				
LOWER CUBERO	7894	-1486	☐				
ENCINAL	7966	-1558	☐				
TOTAL DEPTH DK	8045	-1637	☐			6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 489 cuft. Circulate cement a minimum of 100' inside the previous casing string.	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

EPNG A 1B

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
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GR/CBL. Mudlog from ~100' above the Greenhorn to TD. Mudloggers will call final TD.

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

ConocoPhillips or its affiliates

Survey Report

Company:	ConocoPhillips SJB	Local Co-ordinate Reference:	Well EPNG A #1B
Project:	San Juan Basin	TVD Reference:	WELL @ 6411.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	MD Reference:	WELL @ 6411.0ft (Original Well Elev)
Well:	EPNG A #1B	North Reference:	True
Wellbore:	EPNG A #1B	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM Central Planning

Targets									
Target Name	hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	
Shape		(°)	(°)	(ft)	(ft)	(ft)	(m)	(m)	
EPNG A #1B - PCP	- plan hits target	0.00	0.00	8,045.0	1,000.0	1,155.0	299.78	356.45	30° 59' 34.409 N 109° 25' 30.825 W
	- Point								
EPNG A #1B - ICP	- plan hits target	0.00	0.00	4,750.0	1,000.0	1,155.0	299.78	356.45	30° 59' 34.409 N 109° 25' 30.825 W
	- Point								

Casing Points				
Measured Depth	Vertical Depth		Casing Diameter	Hole Diameter
(ft)	(ft)	Name	(in)	(in)
200.0	200.0	9 5/8"	9.625	12.250
5,036.5	4,750.0	7"	7.000	8.750
8,331.5	8,045.0	4 1/2"	4.500	6.250

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(ft)	(ft)			(°)	(°)
2,073.6	1,978.0	Ojo Alamo		0.00	
2,138.6	2,038.0	Kirtland		0.00	
3,156.9	2,978.0	Fruitland		0.00	
3,281.5	3,093.0	Pictured Cliffs		0.00	
3,438.6	3,238.0	Lewis		0.00	
4,432.7	4,157.0	Huerf. Bent		0.00	
4,890.3	4,604.0	Chacra		0.00	
5,622.5	5,336.0	Mass. Cliffhouse		0.00	
5,697.5	5,411.0	Menefee		0.00	
5,879.5	5,593.0	Pt. Lookout		0.00	
6,381.5	6,095.0	Mancos Shale		0.00	
7,246.5	6,960.0	Gallup		0.00	
7,970.5	7,684.0	Greenhorn		0.00	
8,018.5	7,732.0	Graneros		0.00	
8,124.5	7,838.0	Paguate		0.00	
8,136.5	7,850.0	Upper Cubero		0.00	
8,180.5	7,894.0	Lower Cubero		0.00	
8,252.5	7,966.0	Encinal		0.00	
8,331.5	8,045.0	TD		0.00	

Checked By: _____	Approved By: _____	Date: _____
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BURLINGTON RESOURCES OIL & GAS COMPANY LP

EPNG A No. 1B, 1815 FSL 1865 FEL

SECTION 21, T-32-N, R-6-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

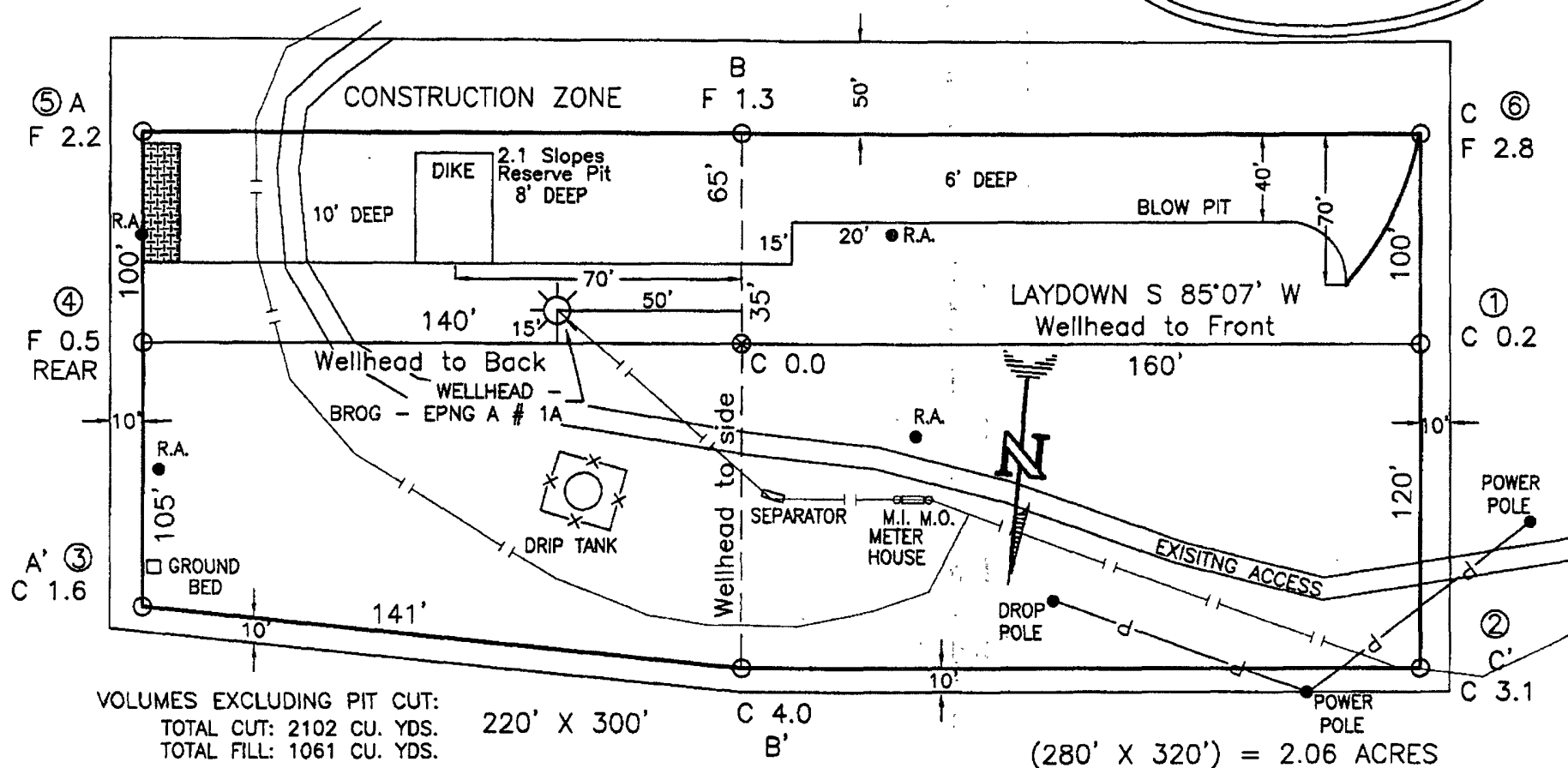
GROUND ELEVATION: 6396', DATE: JULY 18, 2007

NAD 83

LAT. = 36.96811° N.
LONG. = 107.46092° W.

NAD 27

LAT. = 36°58.0866' N.
LONG. = 107°27.6187' W.



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

BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

NOTE: ESTIMATED VOLUMES CALCULATED BY AVERAGE END AREA AT CROSS-SECTION SHOWN

NOTE: 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.

REVISION	DATE	REVISION BY
 Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 510 Farmington, NM 87499 Phone (505) 326-1772 • Fax (505) 326-8019 NEW MEXICO L.S. 8894		
DRAWN BY: A.G.		CHIEF: BR678_PL8
NOV: BR678		DATE: 8/24/07

BURLINGTON RESOURCES OIL & GAS COMPANY LP

EPNG A No. 1B, 1815 FNL 1865 FEL

SECTION 21, T-32-N, R-6-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6396', DATE: AUGUST 7, 2007

NAD 83
LAT. = 36.96811° N
LONG. = 107.46092° W
NAD 27
LAT. = 36°58.0866' N
LONG. = 107°27.6187' W

ELEV. A-A'	C/L					
6410						
6400						
6390						
6380						

ELEV. B-B'	C/L					
6410						
6400						
6390						
6380						

ELEV. C-C'	C/L					
6410						
6400						
6390						
6380						

NOTE:

DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. UTILITY NOTIFICATION CENTER OF COLORADO TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

NOTE:

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.

REVISION:	DATE:	REVISED BY:
 Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 510 • Farmington, NM 87499 Phone (505) 326-1772 • Fax (505) 326-6019 NEW MEXICO L.S. 8894		
DRAWN BY: A.G.	CADD: BR67B_CFB	
NOVA: BR67B	DATE: 5/24/07	