

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD FEB 4 '08
OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA NM 12014 Unit Reporting Number 210 FARMINGTON, NM
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 B 9. Well Number #1M
4. Location of Well Surf: Unit B (NWNE), 1000' FNL & 2160' FEL BH: Unit A (NENE), 1230' FNL & 740' FEL SURF: Latitude 36° 57.3382 N Longitude 107° 27.7081 W BH: Latitude 36° 57.3093 N Longitude 107° 27.4163 W	10. Field, Pool, Wildcat Blanco MV/Basin OK 11. Sec., Twn, Rge, Mer. (NMPM) B- Sec. 28, T32N, R6W API # 30-045-34343
14. Distance in Miles from Nearest Town 23 mile/Ignacio	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 740'	
16. Acres in Lease	17. Acres Assigned to Well MV/DK - 320 (E/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 51' from EPNG B 1A	
19. Proposed Depth 8056' (TVD)/8366' (TMD)	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6429' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	6-7-07 Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 1/31/08

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

HOLD C104 FOR

NMOCD

FEB 06 2008

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

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

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

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

DISTRICT III
Rio Brazos Rd., Artesia, 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

Form C-102

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 30-045-34343	² Pool Code 72319/71599	³ Pool Name Blanco Mesaverde/Basin Dakota
⁴ Property Code 6977	⁵ Property Name EPNG B	⁶ Well Number 1M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6429'

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
B	28	32-N	6-W		1000'	NORTH	2160'	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	28	32-N	6-W		1230'	NORTH	740'	EAST	SAN JUAN

¹² Dedicated Acres MV/DK 320 E/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

¹⁶ 36°57'33.82" N. LONG: 107°27'70.81" W. NAD 1927 Surface	¹⁶ LAT: 36°57'20.3" N. LONG: 107°27'44.7" W. NAD 1983 Surface	28 USA NM-12014	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. <i>Rhonda Rogers</i> Signature Rhonda Rogers Printed Name
			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: <u>10/26/06</u> Signature: <i>Glen W. Russell</i> GLEN W. RUSSELL NEW MEXICO LICENSED PROFESSIONAL SURVEYOR 15703 Certificate Number: 15703

Office

District I

1625 N French Dr., Hobbs, NM 88240

District II

1301 W Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

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

State of New Mexico

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-103

May 27, 2004

WELL API NO.	30-045- 34343
5. Indicate Type of Lease	STATE ☐ FEE ☐
6. State Oil & Gas Lease No.	Federal Lease # USA NM-12014
7. Lease Name or Unit Agreement Name	EPNG B
8. Well Number	#1M
9. OGRID Number	14538
10. Pool name or Wildcat	Blanco MV/Basin Dk

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 B : 1000' feet from the North line and 2160' feet from the East line
Section 28 Township 32N Rng 6W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6429'

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 bbls; Construction Material

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

NOTICE OF INTENTION TO:

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

OTHER: New Drill ☒

SUBSEQUENT REPORT OF:

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

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:

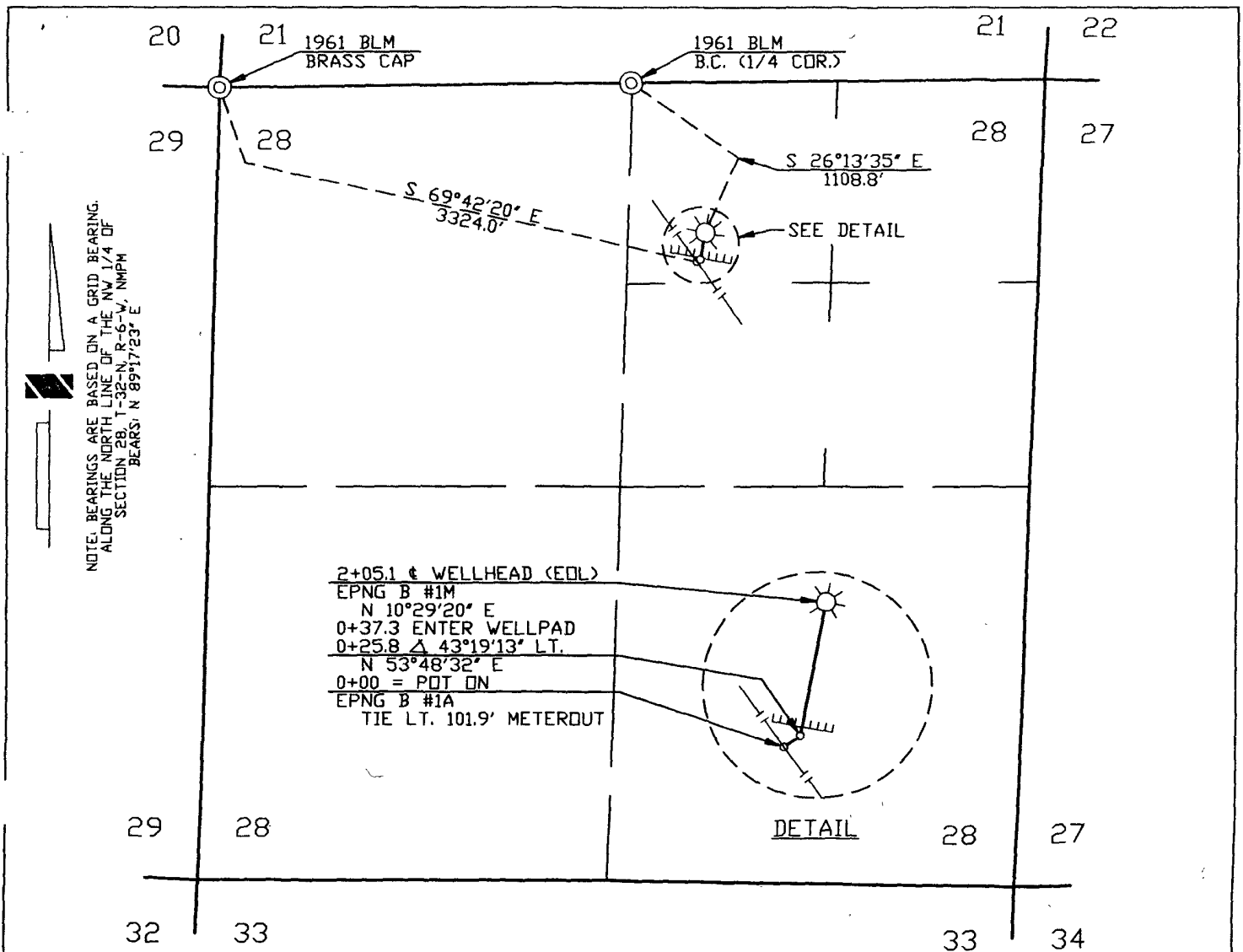
Burlington Resources proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be lined pits as detailed in Burlington's Revised 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 Rhonda Rogers TITLE Regulatory Technician DATE 6-7-07

Type or print name Rhonda Rogers E-mail address: rogerr@conocophillips.com Telephone No. 505-599-4018
For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE FEB 06 2008
Conditions of Approval (if any):



**PRELIMINARY
DRAWING**

PIPE DATA	SUBDIVISION		OWNER		FEET	MILES	ACRES	RODS
	0+00 TO 2+05.1		BUREAU OF LAND MANAGEMENT (BLM)		205.1	0.039	0.188	12.430
REVISION	NO.	DATE	BY	DESCRIPTION	W.O.NO.	CHK.	APP.	NO.
	1	5/05/06	BDY	ISSUED FOR REVIEW		PB		
INFO	R/W #	06475	DRAFTING	BY	DATE	STATE: NEW MEXICO		
	METER #		CHECKED BY	PB	5/10/06	COUNTY: SAN JUAN		
VEYED	4/26/06	ENGINEER	BY	DATE	WILLIAMS FOUR CORNERS LLC			
		DESIGNED BY			ONE OF THE WILLIAMS COMPANIES			
PROJ. APPROVED					SAN JUAN GATHERING SYSTEM BROG - EPNG B #1M 0+00 = POT ON EPNG B #1A (REF DWG. 2N765.0-1) SECTION 28, T-32-N, R-6-W, NMPM			
SCALE: 1" = 1000'					DWG NO. 2N765.0-85-1			
W.O. NO.					SHEET 1 OF 1 REV 1			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

EPNG B 1M

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.5399M/5340D				AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Riq 730		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Deviated							
Latitude: 36.955520		Longitude: -107.461180		X:	Y:	Section: 28	Range: 006W
Footage X: 2160 FEL		Footage Y: 1000 FNL		Elevation: 6429 (FT)		Township: 032N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Deviated							
Latitude: 36.955160		Longitude: -107.456938		X:	Y:	Section: 28	Range: 6
Footage X: 740 FEL		Footage Y: 1230 FNL		Elevation: (FT)		Township: 32	
Tolerance:							
Location Type: Restricted		Start Date (Est.):		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6441 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
SURFACE CSG	300	6141	☐			12-1/4" hole, 9-5/8" 32.3 ppf, H-40, STC casing. Cement w/ 282 cuft. Circulate Cmt to surface	
OJO ALAMO	2323	4118	☐			Surface twin with EPNG B 1A	
KIRTLAND	2459	3982	☐				
FRUITLAND COAL	3068	3373	☐				
PICTURED CLIFFS	3361	3080	☐				
LEWIS	3510	2931	☐				
Intermediate Casing	4100	2341	☐			8 3/4" hole. 7" 20 ppf J-55, STC casing. Circulate cement to surface. Cement with 979 cu.ft.	
HUERFANITO BENTONITE	4201	2240	☐				
CHACRA	4662	1779	☐				
MASSIVE CLIFF HOUSE	5361	1080	☐				
MENEFEE	5435	1006	☐				
MASSIVE POINT LOOKOUT	5656	785	☐				
MANCOS	6141	300	☐				
UPPER GALLUP	7034	-593	☐				
GREENHORN	7769	-1328	☐				
GRANEROS	7819	-1378	☐				
PAGUATE	7931	-1490	☐				
UPPER CUBERO	7934	-1493	☐			Estimated bottom perf 8040' TVD	
LOWER CUBERO	7985	-1544	☐			BHL reach ~1439'	
ENCINAL	8055	-1614	☐			Azimuth ~100 degrees	
Total Depth	8056	-1615	☐	2200		6-1/4" Hole. 4-1/2", 10.5/11.6 ppf, J-55 STC/LTC casing. Cement with 539 cuft. Circulate cement a minimum of 100' inside the previous casing string.	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

EPNG B 1M

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	EPNG A 1	SE21-32-6
Intermediate	EPNG B 1	SE28-32-6

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

TD Logs:	☐ Triple Combo	☐ Dipmeter	☐ RFT	☐ Sonic	☐ VSP	☐ TDT	☒ Other
Mudlog from 100' above Greenhorn to TD.							

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

Comments: Location/Tops/Logging - MVNM032N006W28NE2, DK 32N06W28NE2

Zones - MVNM032N006W28NE2
DK 32N06W28NE2

General/Work Description - -DIRECTIONAL-5/30/06 DEFER FOR DD EVALUATION NO LEWIS-twin with EPNG B #1A

ConocoPhillips or its affiliates

Survey Report

Company: ConocoPhillips Lower 48 Project: San Juan Basin Site: Monty's Site for directional MV/DK we Well: EPNG B #1M Wellbore: EPNG B #1M Design: EPNG B #1M	Local Co-ordinate Reference: Well EPNG B #1M TVD Reference: WELL @ 6444.0ft (Original Well Elev) MD Reference: WELL @ 6444.0ft (Original Well Elev) North Reference: True Survey Calculation Method: Minimum Curvature Database: EDM Central Planning	
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Planned Survey

Measured Depth (ft)	Inclination (d)	Azimuth (d)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (d/100ft)	Build Rate (d/100ft)	Turn Rate (d/100ft)
8,295.2	0.00	0.00	7,985.0	-230.0	1,420.0	1,438.5	0.00	0.00	0.00
Lower Cubero									
8,300.0	0.00	0.00	7,989.8	-230.0	1,420.0	1,438.5	0.00	0.00	0.00
8,365.2	0.00	0.00	8,055.0	-230.0	1,420.0	1,438.5	0.00	0.00	0.00
Encinal									
8,366.2	0.00	0.00	8,056.0	-230.0	1,420.0	1,438.5	0.00	0.00	0.00
TD - EPNG B #1M - PCP									

Targets

Target Name	Dip Angle (d)	Dip Dir. (d)	TVD (ft)	+N/-S ft	+E/-W ft	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
EPNG B #1M - PCP	0.00	0.00	8,056.0	-230.0	1,420.0	-250.39	1,416.84	30° 59' 22.235" N	109° 25' 27.781" W
- plan hits target									
- Point									
EPNG B #1M - ICP	0.00	0.00	4,100.0	-230.0	1,420.0	-250.39	1,416.84	30° 59' 22.235" N	109° 25' 27.781" W
- plan hits target									
- Point									

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)
2,490.0	2,323.0	Ojo Alamo		0.00	
2,642.5	2,459.0	Kirtland		0.00	
3,325.3	3,068.0	Fruitland		0.00	
3,651.4	3,361.0	Pictured Cliffs		0.00	
3,810.4	3,510.0	Lewis		0.00	
4,511.2	4,201.0	Huerf. Bent.		0.00	
4,972.2	4,662.0	Chacra		0.00	
5,671.2	5,361.0	Mass. Cliffhouse		0.00	
5,745.2	5,435.0	Menefee		0.00	
5,966.2	5,656.0	Pt. Lookout		0.00	
6,451.2	6,141.0	Mancos Shale		0.00	
7,344.2	7,034.0	Gallup		0.00	
8,079.2	7,769.0	Greenhorn		0.00	
8,129.2	7,819.0	Graneros		0.00	
8,241.2	7,931.0	Paguate		0.00	
8,244.2	7,934.0	Upper Cubero		0.00	
8,295.2	7,985.0	Lower Cubero		0.00	
8,365.2	8,055.0	Encinal		0.00	
8,366.2	8,056.0	TD		0.00	

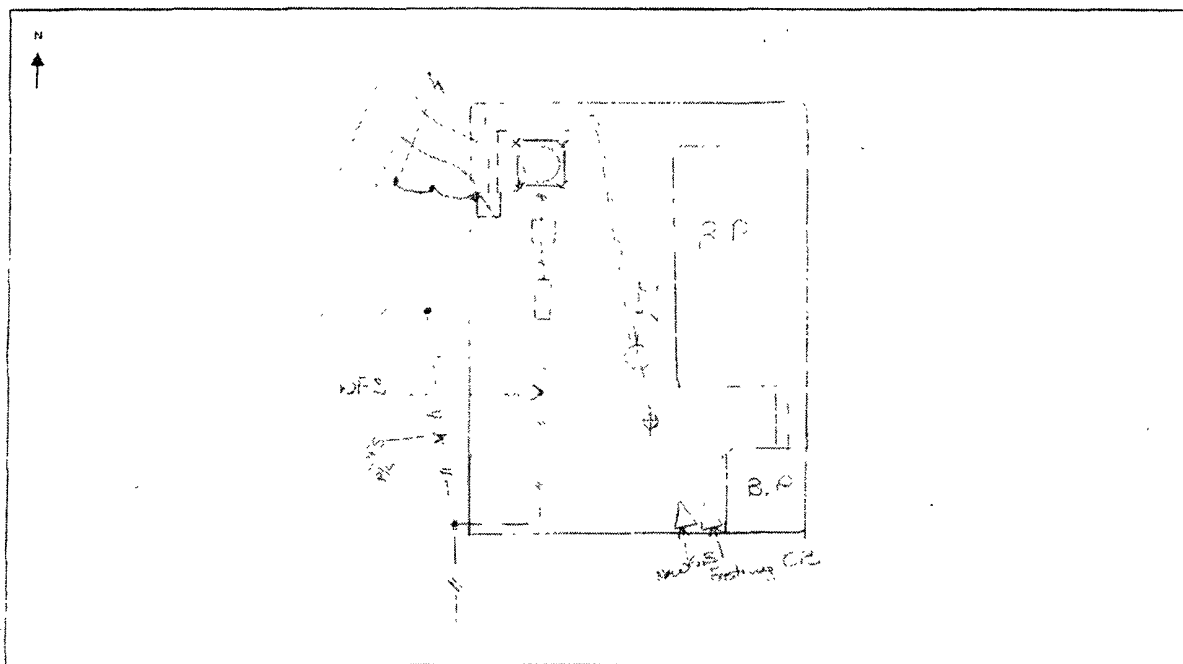
Checked By: _____	Approved By: _____	Date: _____
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CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME CIPNG B #1M LEGALS B-28 32-6 COUNTY San Juan

PURPOSED C.P. SYSTEM: Dr. J. G. B. and well bonding CP and tie into existing CP system.
Use 242 cathodic protection system B.C. 242 and use from proposed well to existing
system.



EXISTING WELLHEAD	METER HOUSE	G.B.	POWER SOURCE	CABLE	NEW WELL	OVERHEAD A.C.

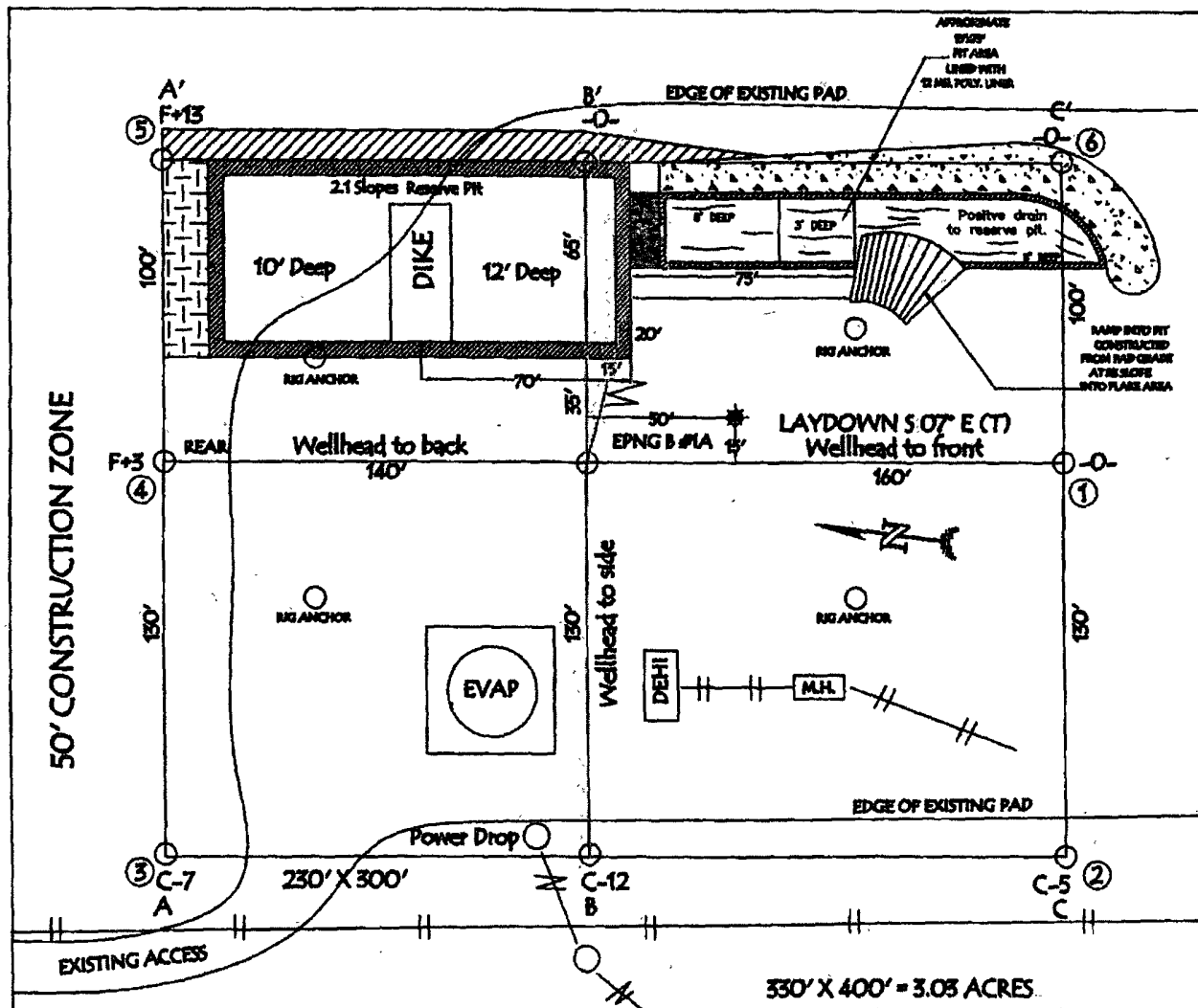
COMMENTS: _____

NEAREST POWER SOURCE existing Kirtland DISTANCE: same location
 PIPELINES IN AREA: WFS P/L

TECHNICIAN: David J. Ingram DATE: 3/24/07

BURLINGTON RESOURCES OIL & GAS COMPANY LP
EPNG B #1M, 1000' FNL & 2160' FEL
SECTION 28, T-32-N, R-6-W, NMPM, RIO ARRIBA COUNTY, NM
GROUND ELEVATION: 6429', DATE: APRIL 17, 2006

RESERVE PIT DIKE: TO BE 6' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).



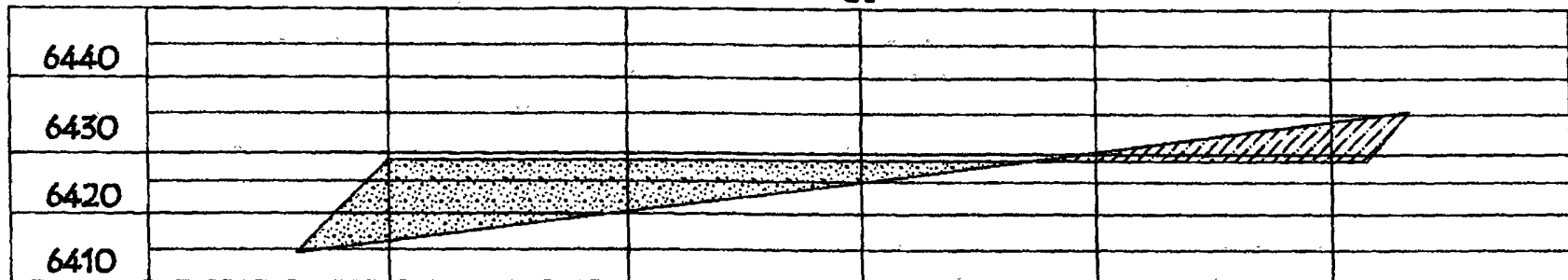
LATITUDE: 36° 57.3382' N LONGITUDE: 107° 27.7081' W NAD27

NOTE: 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.

BURLINGTON RESOURCES OIL & GAS COMPANY LP
 EPNG B #1M, 1000' FNL & 2160' FEL
 SECTION 28, T-32-N, R-6-W, NMPM, SAN JUAN COUNTY, NM
 GROUND ELEVATION: 6429', DATE: APRIL 17, 2006

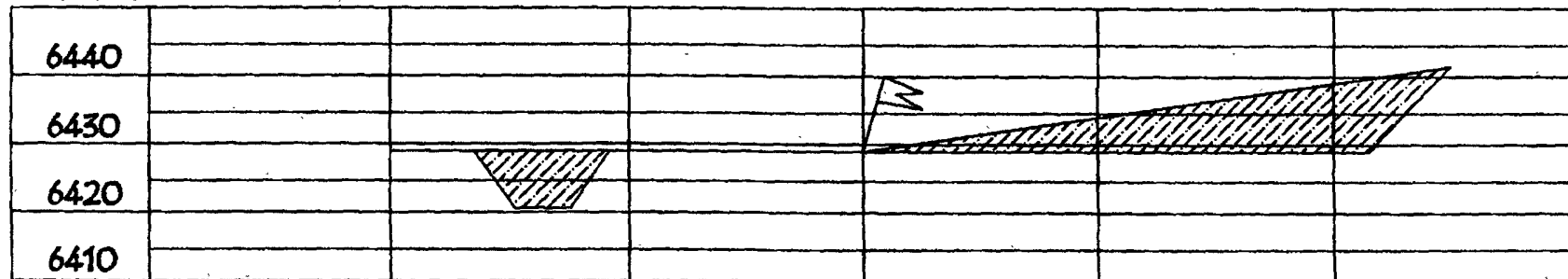
ELEV. A'-A

CL



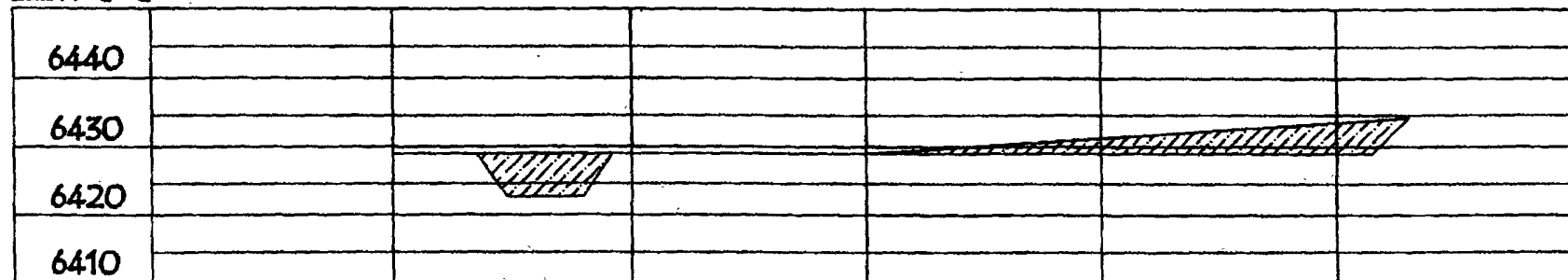
ELEV. B'-B

CL



ELEV. C'-C

CL



NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
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