

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED MAR 14 2008 Bureau of Land Management Farmington Field Office	5. Lease Number SF-078060-A 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 Huerfano Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 9. Well Number #305
4. Location of Well Surf: Unit F(SENW), 2485' FNL & 1365' FWL Surf: Latitude 36.445155° N Longitude 107.798447° W		10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 33, T26N, R9W API # 30-045-34639
14. Distance in Miles from Nearest Town 29 miles/Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1365'		
16. Acres in Lease 1,600.00	17. Acres Assigned to Well 320.00 - (W/2)	
18. Distance from Proposed Location to Nearest Well, Drilg, Compl, or Applied for on this Lease 2100' from Huerfano Unit #205E		
19. Proposed Depth 6687'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6529' GR	22. Approx. Date Work will Start 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	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Walker</u> Crystal Walker Regulatory Technician)	3/19/08 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 4

Bond Numbers NMB-000015 and NMB-000089

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

APR 04 2008

NMOCD

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

NOTIFY AZTEC OGD 24 HRS.
PRIOR TO CASING & CEMENT

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

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

RECEIVED

MAR 14 2008

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34639		² Pool Code 71599		³ Property Name HUERFANO UNIT		⁶ Well Number 305	
⁴ Property Code 7139		⁵ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP		⁹ Elevation 6529	

¹⁰ SURFACE LOCATION

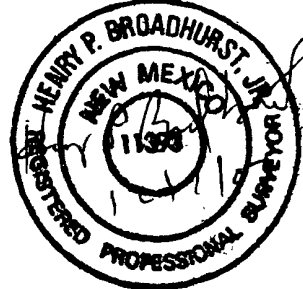
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	33	26-N	9-W		2485	NORTH	1365	WEST	SAN JUAN

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
F									

¹² Dedicated Acres 320.00	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 N 89°58'50" W N 89°58' W 2633.7' (M) 2637.4' (R) N 0°07'56" E N 0°08' E 2485' 1365' WELL FLAG NAD 83 LAT: 36.445155° N LONG: 107.798447° W NAD 27 LAT: 36°26.708748' N LONG: 107°47.869939' W W/2 DEDICATED ACREAGE SF-078060-A SECTION 33 T-26-N, R-9-W	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. <i>Crystal Walker</i> Signature Crystal Walker Printed Name Regulatory Technician Title and E-mail Address 3-14-08 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: 10/08/07 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393	

Office

Energy, Minerals and Natural Resources

May 27, 2004

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

District IV

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

OIL CONSERVATION DIVISION

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

WELL API NO.

30-045- 34639

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

SF-078060-A

7. Lease Name or Unit Agreement Name

Huerfano Unit

8. Well Number

#305

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Dakota

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

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter F : 2485 feet from the North line and 1365 feet from the West line
Section 33 Township 26N Rng 9W NMPM County San Juan

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

6529' 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

>200'

<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 ☐

SUBSEQUENT REPORT OF:

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

OTHER:

New Drill ☒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

TITLE

Regulatory Technician

DATE

3/6/2008

Type or print name

Crystal Walker

E-mail address:

crystal.walker@conocophillips.com

Telephone No.

505-326-9837

For State Use Only

APPROVED BY

TITLE

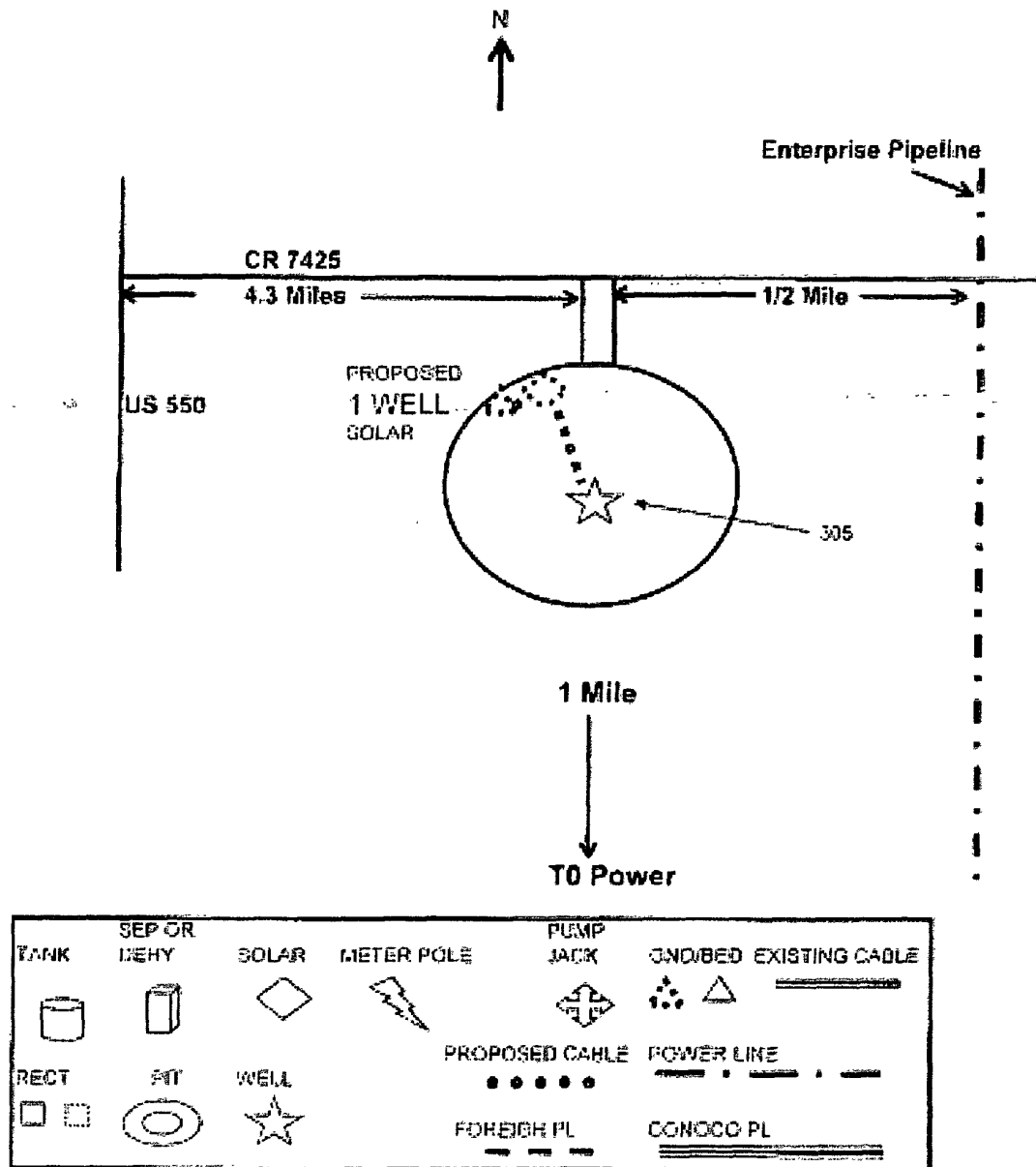
Deputy Oil & Gas Inspector,
District #3

DATE

APR 04 2008

Conditions of Approval (if any):

Huerfano # 305



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANO UNIT 305

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7377		AFE \$: 585,298.77	
Field Name: hBR_SAN JUAN		Rig: Bearcat Rig 4		State: NM	County: SAN JUAN
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)				
Location: Surface Datum Code: NAD 27					
Latitude: 36.445145	Longitude: -107.797832	X:	Y:	Section: 33	Range: 009W
Footage X: 1365 FWL	Footage Y: 2485 FNL	Elevation: 6529 (FT)	Township: 026N		
Tolerance:					
Location Type:		Start Date (Est.): 1/1/2009		Completion Date:	Date In Operation:
Formation Data: Assume KB = 6543 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	320	6223	<input type="checkbox"/>		
OJO ALAMO	1111	5432	<input type="checkbox"/>		
KIRTLAND	1269	5274	<input type="checkbox"/>		
FRUITLAND	1773	4770	<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	1992	4551	<input type="checkbox"/>		
LEWIS	2185	4358	<input type="checkbox"/>		
HUERFANITO BENTONITE	2382	4161	<input type="checkbox"/>		
CHACRA	2859	3684	<input type="checkbox"/>		
MASSIVE CLIFF HOUSE	3564	2979	<input type="checkbox"/>		
MENEFEE	3663	2880	<input type="checkbox"/>		
POINT LOOKOUT	4391	2152	<input type="checkbox"/>		GAS
MANCOS	4677	1866	<input type="checkbox"/>		
UPPER GALLUP	5451	1092	<input type="checkbox"/>		
GREENHORN	6352	191	<input type="checkbox"/>		
GRANEROS	6401	142	<input type="checkbox"/>		
TWO WELLS	6428	115	<input type="checkbox"/>	2000	Gas
PAGUATE	6516	27	<input type="checkbox"/>		
CUBERO	6583	-40	<input type="checkbox"/>		
LOWER CUBERO	6592	-49	<input type="checkbox"/>		Estimated bottom perf is 18' above TD or 22' below T/ENCN
ENCINAL	6647	-104	<input type="checkbox"/>		TD is 40' into Encinal.
Total Depth	6687	-144	<input type="checkbox"/>		7 7/8" hole, 4-1/2" 11.6 ppf, N-80 LTC csg. to 6687-ft. Cement with 1964 cuft circulate cement to surface.
Reference Wells:					
Reference Type	Well Name	Comments			
Production	Huerfano 139	SE32-26-9			
Production	Huerfano 52	NW4-25-9			
Production	Huerfano 205E	SW28-26-9			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANO UNIT 305

DEVELOPMENT

Logging Program:

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR/CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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BURLINGTON RESOURCES OIL AND GAS COMPANY LP

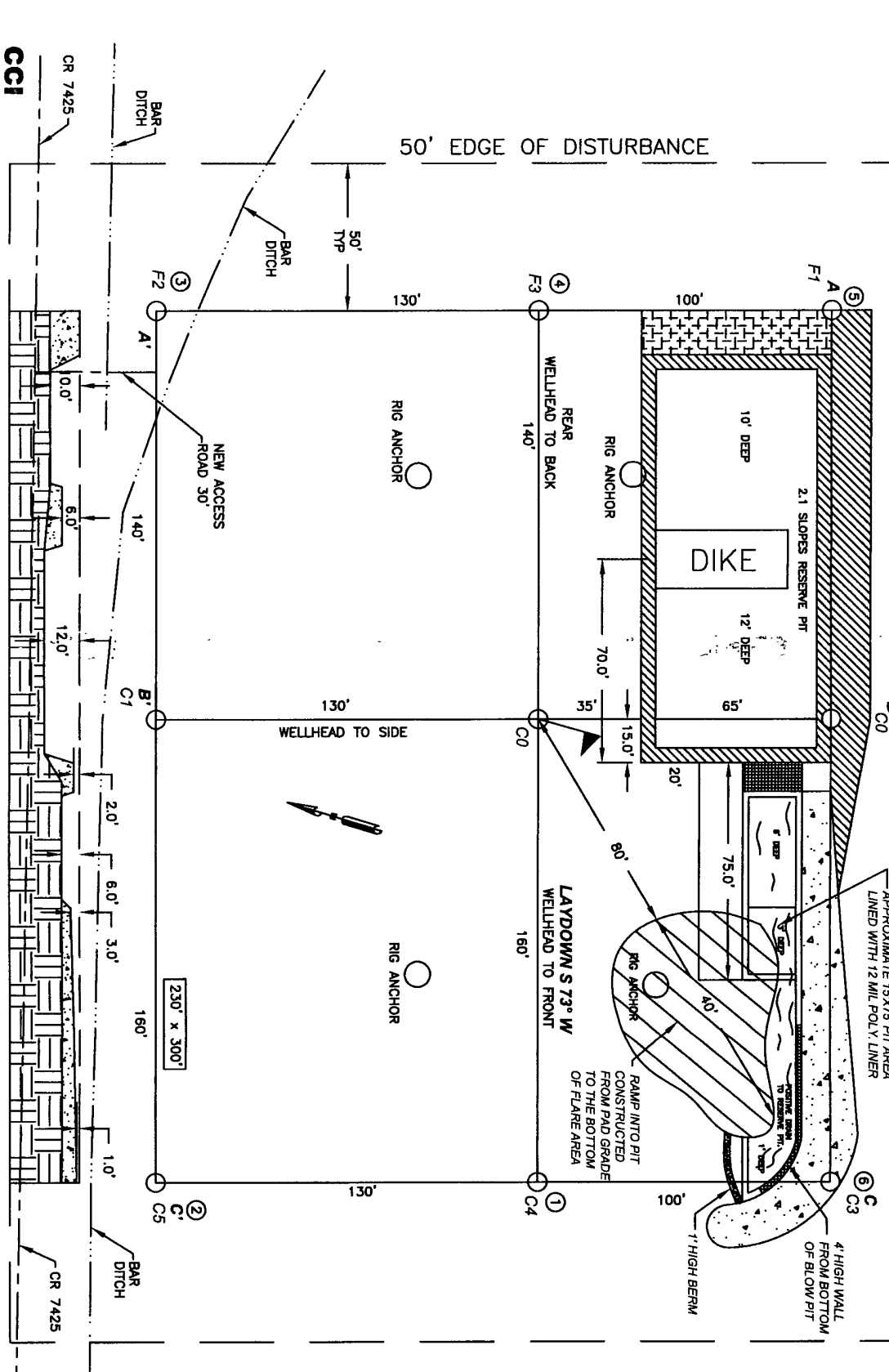
HUERFANO UNIT #305

2485' FNL, 1365' FWL

SECTION 33, T-26-N, R-9-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

GROUND ELEV.: 6529 NAVD88 DATE: OCTOBER 8, 2007

NEW ACCESS 30'



NOTES:

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 AND GAS COMPANY LP

HUERFANO UNIT #305

2485' FNL, 1365' FWL

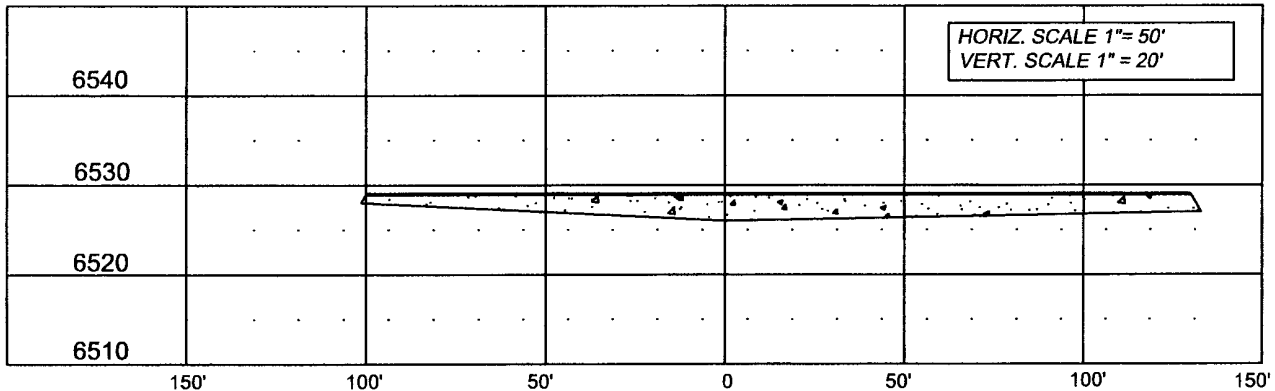
SECTION 33, T-26-N, R-9-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

ELEV.: 6529 NAVD88

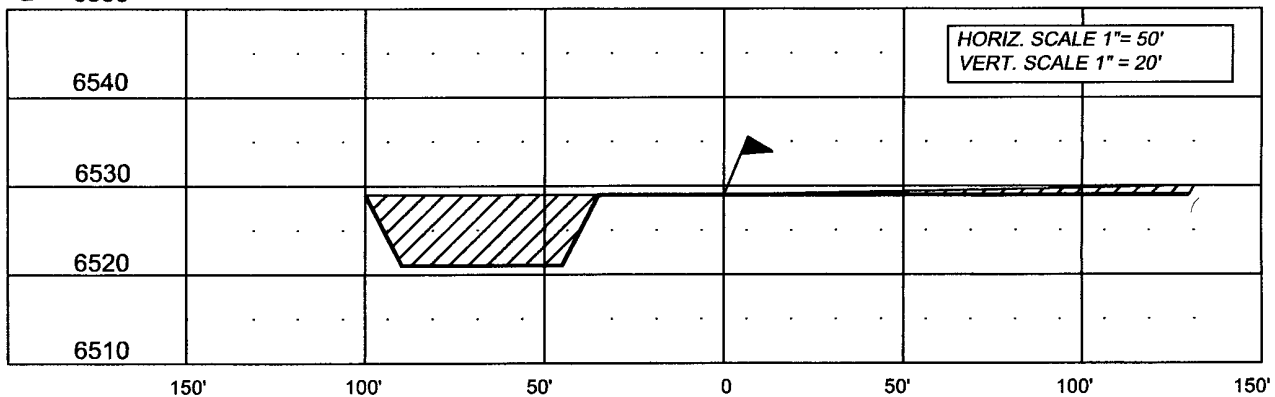
A - A' 6550

C/L



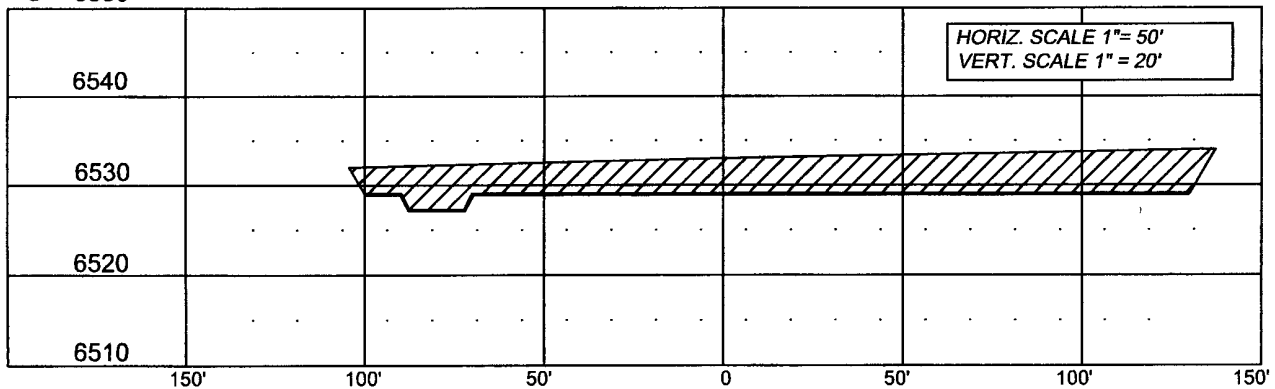
B - B' 6550

C/L



C - C' 6550

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	TJR	10/8/07

CCI

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

CHENAULT CONSULTING INC.