

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD APR 11 '08

OIL CONS. DIV.

DIST. 3

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-078103-B 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 #307
4. Location of Well Surf: Unit K(NESW), 1900' FSL & 1320' FWL Surf: Latitude 36.442659° N Longitude 107.763116° W	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 35, T26N, R9W API # 30-045-34635	
14. Distance in Miles from Nearest Town 30 miles/Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1320'		
16. Acres in Lease 800.00	17. Acres Assigned to Well 320.00 - (W/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 2716' from Huerfano Unit #553 - FC		
19. Proposed Depth 8130' 6627'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6459' 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)	<u>3/14/08</u> Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE Acting AFM DATE 4/10/08

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 4

Bond Numbers NMB-000015 and NMB-000089

NOTIFY AZTEC OOD 24 HRS.
PRIOR TO CASING & CEMENT

NMOCDg

APR 14 2008

AV

RECEIVED

MAR 14-2008

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

Bureau of Land Management
Farmington Field Office Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 24635		² Pool Code 71599		³ Pool Name BASIN DAKOTA	
⁴ Property Code 7139		⁵ Property Name HUERFANO UNIT			⁶ Well Number 307
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP			⁹ Elevation 6459
¹⁰ SURFACE LOCATION					
UL or lot no. K	Section 35	Township 26-N	Range 9-W	Lot Idn	Feet from the 1900
				North/South line SOUTH	Feet from the 1320
				East/West line WEST	County SAN JUAN
¹¹ Bottom Hole Location If Different From Surface					
UL or lot no. K	Section	Township	Range	Lot Idn	Feet from the
				North/South line	Feet from the
				East/West line	County
¹² Dedicated Acres 320.00		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 hereto is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided 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: 10/9/07 Signature and Seal of Professional Surveyor: 				Certificate Number: NM 11393	

State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

-OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-045-34635

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

SF-078130-B-078103B

7. Lease Name or Unit Agreement Name

Huerfano Unit

8. Well Number

#307

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 OIL & GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter K : 1900 feet from the South line and 1320 feet from the West line
Section 35 Township 26N Rng 9W NMPM County San Juan

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

6459' 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 ☐

SUBSEQUENT REPORT OF:

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

OTHER:

New Drill Pit ☒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 Crystal Walker TITLE Regulatory Technician DATE 3/4/2008Type or print name
For State Use Only

Crystal Walker

E-mail address:

crystal.walker@conocophillips.com

Telephone No.

505-326-9837

APPROVED BY

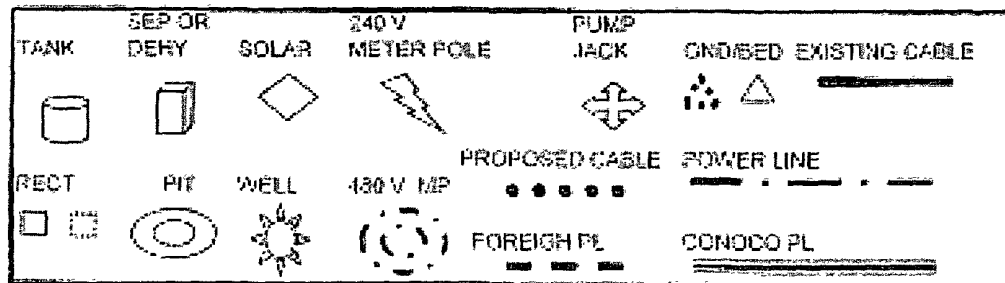
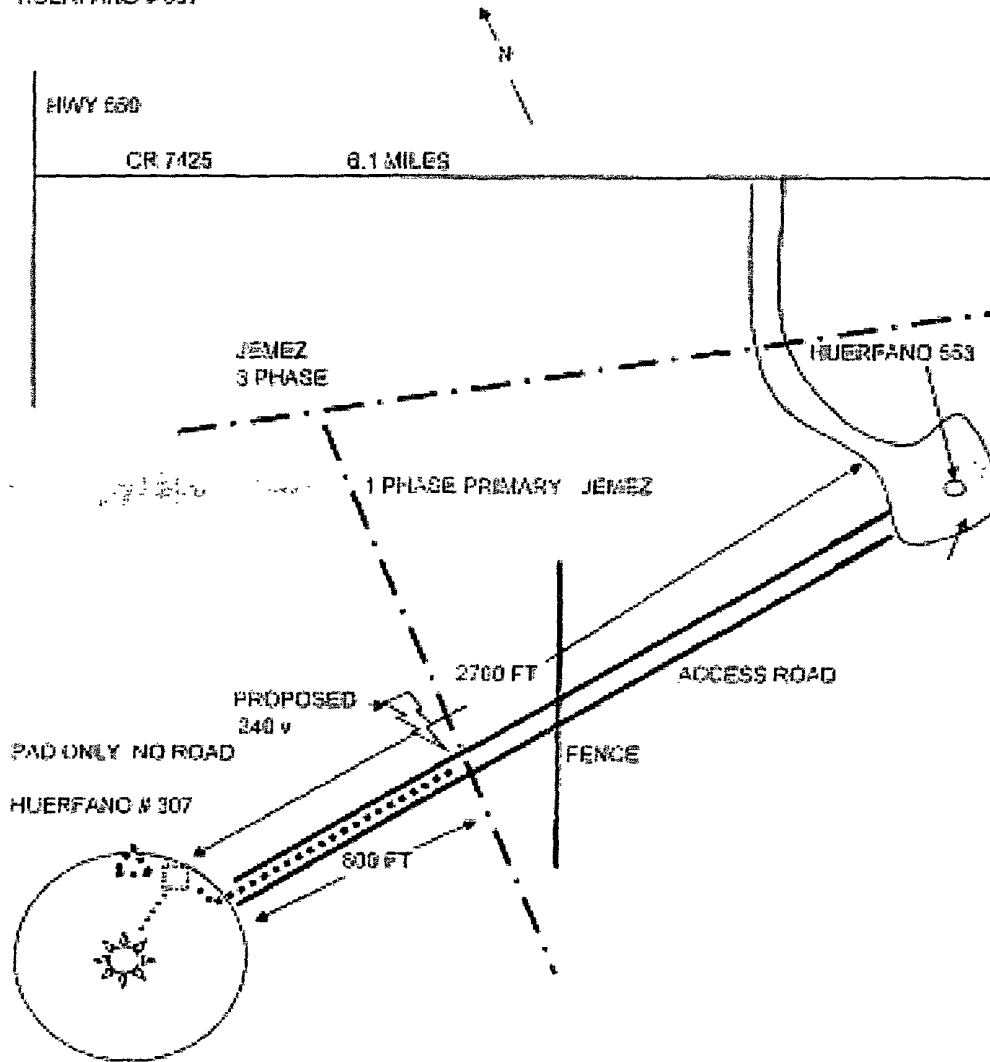
TITLE

Deputy Oil & Gas Inspector, DATE APR 14 2008

Conditions of Approval (if any):

District #3

HUERFANO # 307



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANO UNIT 307

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7379		AFE \$: 699,807.58	
Field Name: hBR_SAN JUAN		Rig: Bearcat Rig 4		State: NM	County: SAN JUAN
API #: 3004534496					
Geologist:		Phone:		Geophysicist:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead:	
Phone:		Phone:		Phone:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location: Surface Datum Code: NAD 27					
Latitude: 36.442649	Longitude: -107.762502	X:	Y:	Section: 35	Range: 009W
Footage X: 1320 FWL	Footage Y: 1900 FSL	Elevation: 6459 (FT)	Township: 026N		
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:	
Date In Operation:					
Formation Data: Assume KB = 6473 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Remarks					
Surface Casing	320' 200'	6273	☐		
12-1/4" hole. 320', 8 5/8" 24 ppf, J-55, STC casing. Cement with 312 cuft. Circulate cement to surface.					
OJO ALAMO	916	5557	☐		
KIRTLAND	1280	5193	☐		
FRUITLAND	1716	4757	☐		Possible Gas
PICTURED CLIFFS	1980	4493	☐		
LEWIS	2170	4303	☐		
HUERFANITO BENTONITE	2427	4046	☐		
CHACRA	2826	3647	☐		
MASSIVE CLIFF HOUSE	3556	2917	☐		
MENEFEE	3566	2907	☐		
MASSIVE POINT LOOKOUT	4349	2124	☐		GAS
MANCOS	4760	1713	☐		
UPPER GALLUP	5450	1023	☐		
GREENHORN	6291	182	☐		
GRANEROS	6342	131	☐		
TWO WELLS	6371	102	☐	2000	Gas
PAGUATE	6468	5	☐		
UPPER CUBERO	6530	-57	☐		Closest well (#283) looks wet in Burro Canyon.
LOWER CUBERO	6549	-76	☐		If topset, then do so at current TD with Burro Canyon at (-186' SS)
ENCINAL	6589	-116	☐		Estimate bottom perf will be 20' above TD.
TOTAL DEPTH DK	6627	-154	☐		7-7/8" Hole. 4-1/2", 11.6 ppf, N-80 LTC casing. Cement with 2393 cuft. Circulate cement to surface.
Total Depth	8138	-1665	☐		
Reference Wells:					
Reference Type	Well Name	Comments			
Production	Burroughs Com H 1D	NW36-26-9			
Production	Huerfano 283	SE35-26-9			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANO UNIT 307

DEVELOPMENT

Production	Huerfano 206	SE26-26-9
Production	Huerfano 172	NW9-25-9

Logging Program:

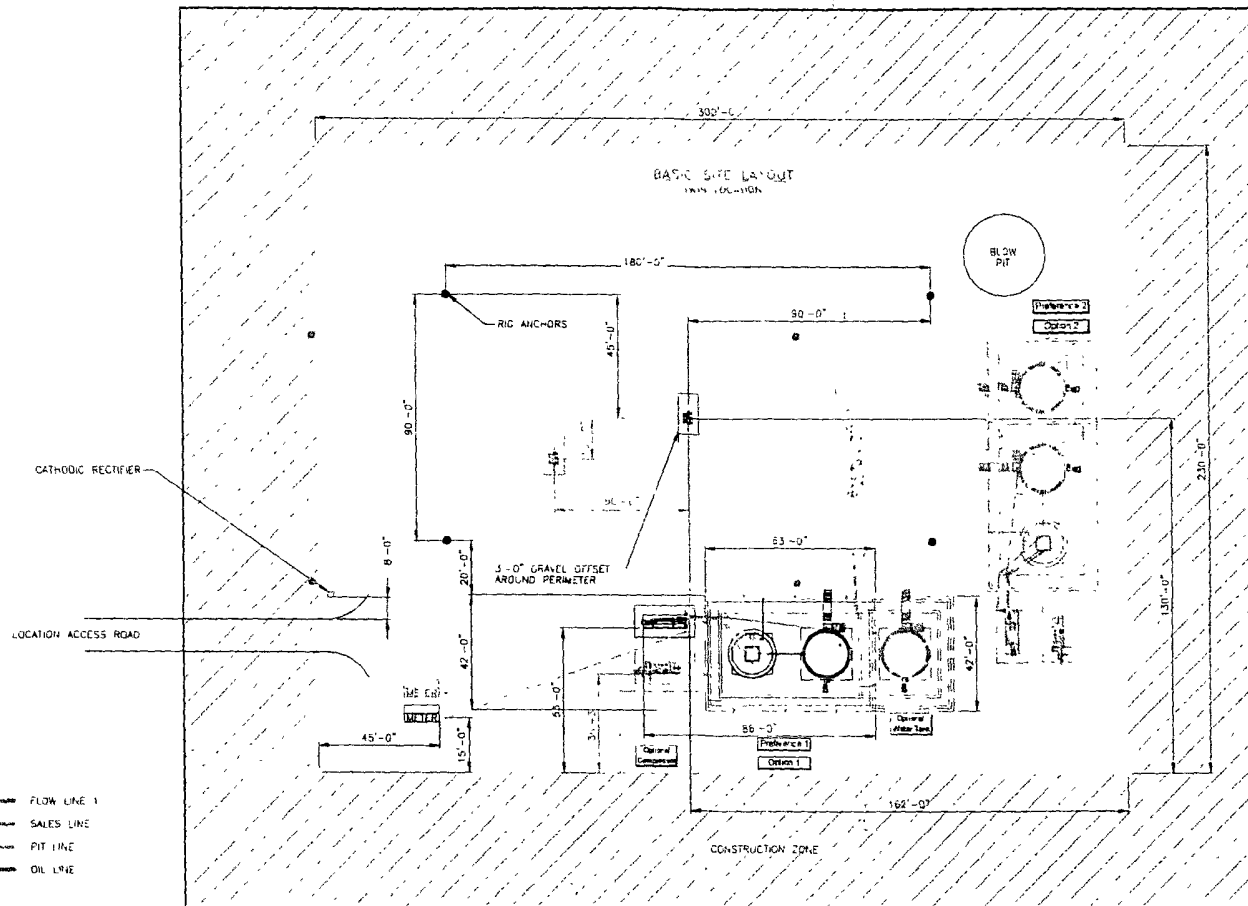
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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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SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPING IS TO BE BURIED A MIN. OF 3'-0" ROW

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS									
DISCIPLINE										NO.									
PROJECT										DESCRIPTION									
ARCHITECT																			
PIPING																			
ELECTRICAL																			
I & C																			
CIVIL/STRUCTURAL																			
PROJECT																			

ConocoPhillips

SAN JUAN BUSINESS UNIT

CONOCO-PHILLIPS
HIGH PRESSURE 3 PHASE
FACILITY DIAGRAM- SITE LAYOUT

CLIENT NO.	CLIENT ADDR.	DATE CMT
DRAWN BY	SCALE NONE	REVISION DATE 02/27/07
DWG NO.	HP3PHASE-REV1	1 OF 5

BURLINGTON RESOURCES OIL AND GAS COMPANY LP

HUERFANO UNIT #307

1900' FSL, 1320' FWL

SECTION 35, T-26-N, R-9-W, N.M.P.M.,

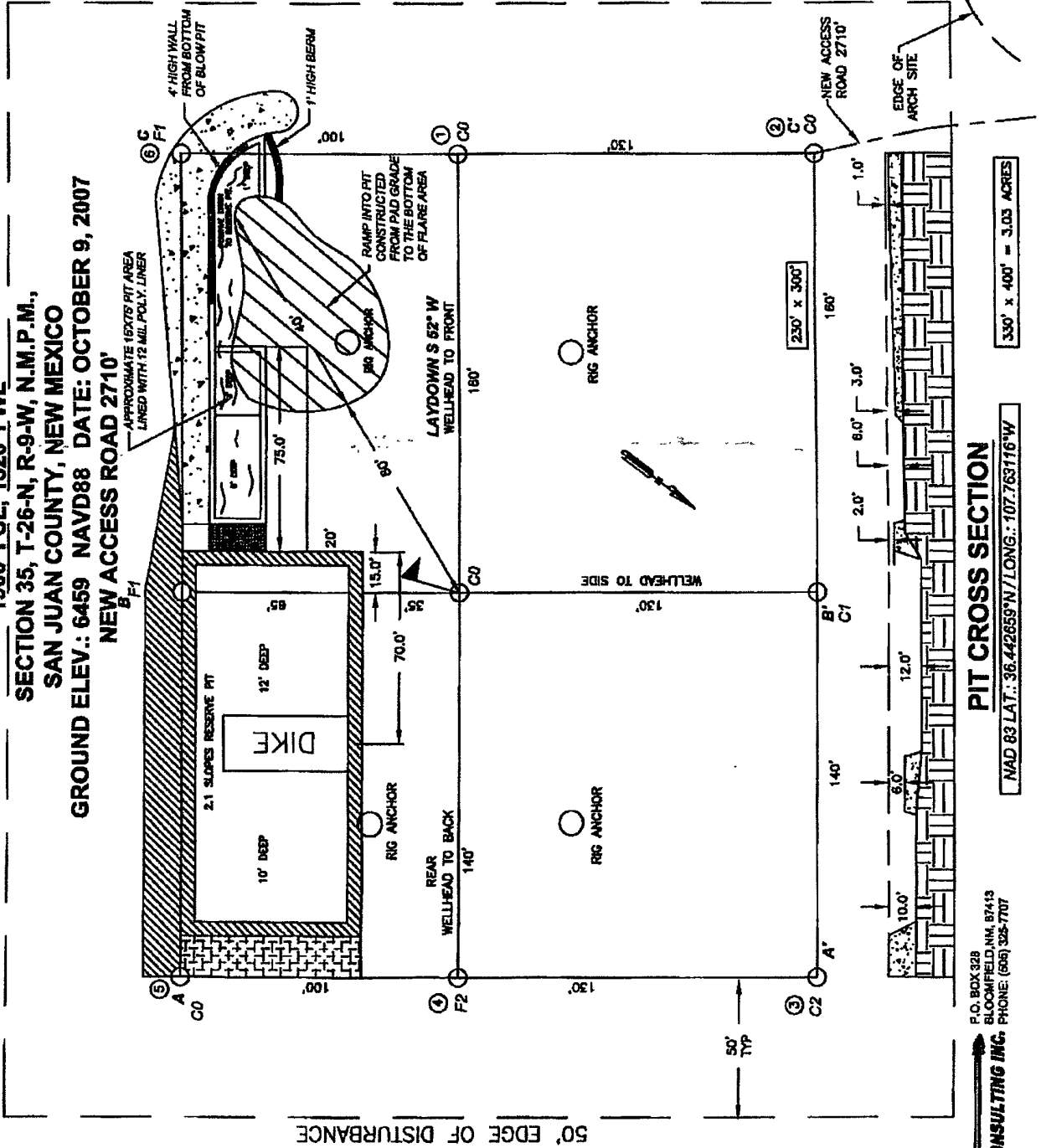
SAN JUAN COUNTY, NEW MEXICO

GROUND ELEV.: 6459 NAVD88 DATE: OCTOBER 9, 2007

NEW ACCESS ROAD 2710'

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.

NOTES:



CCI

CHENAU CONSULTING INC.

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

PIT CROSS SECTION

NAD 83 LAT.: 36.442859°N / LONG.: 107.763176°W

330' x 400' = 3.03 ACRES

BURLINGTON RESOURCES OIL AND GAS COMPANY LP

HUERFANO UNIT #307

1900' FSL, 1320' FWL

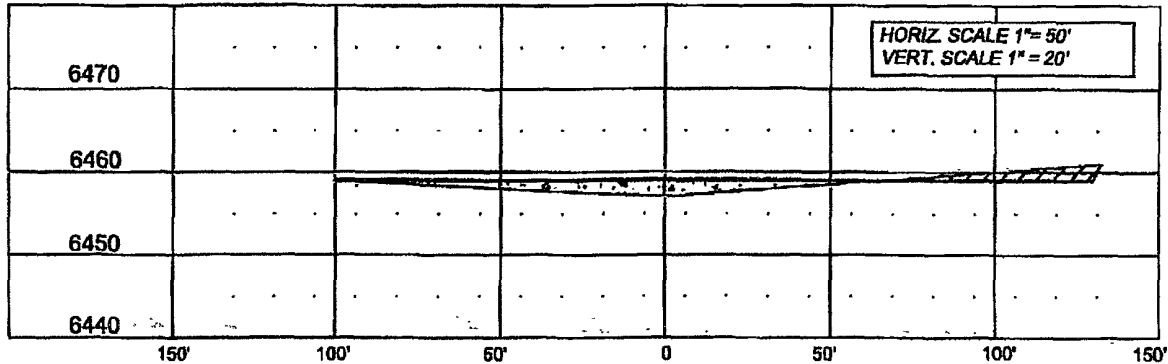
SECTION 35, T-26-N, R-9-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

ELEV.: 6459 NAVD88

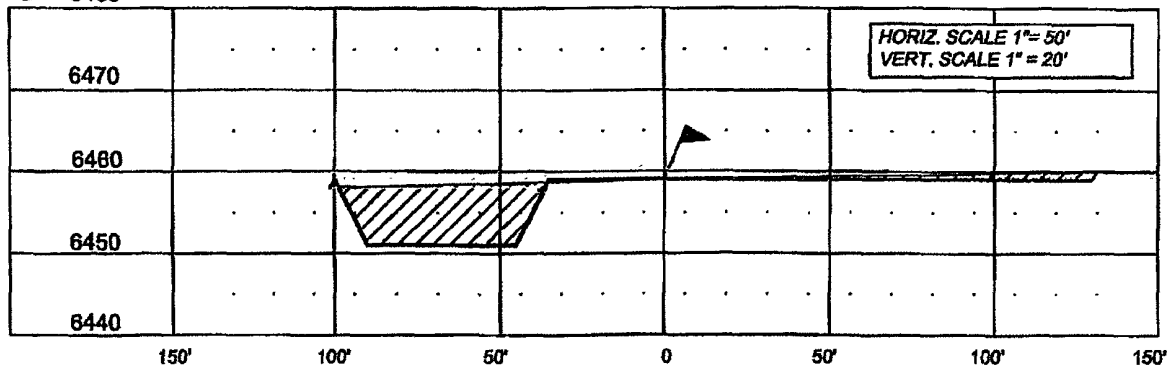
A - A' 6480

C/L



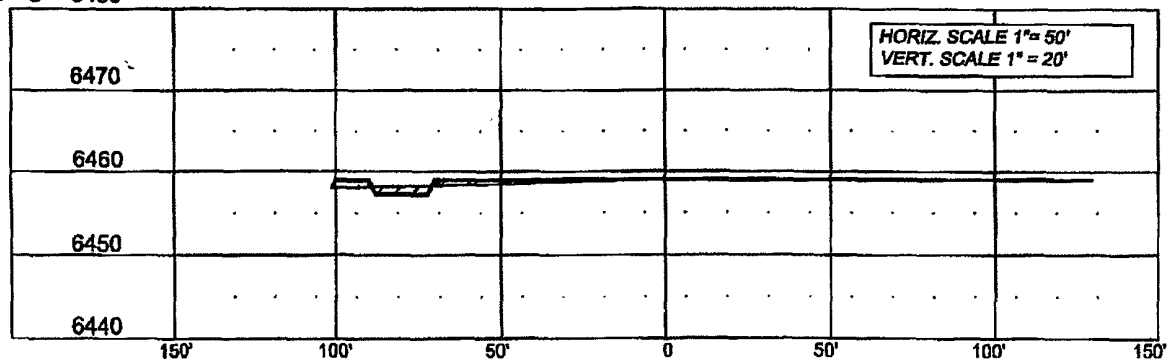
B - B' 6480

C/L



C - C' 6480

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	10/9/07

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