

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED FEB 05 2008 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF-000117 078356 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 Huerfanito Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name	
4. Location of Well Unit D (NWNW), 805' FNL & 860' FWL Latitude 36.551321 N. Longitude 107.781920 W.	9. Well Number #39S	
	10. Field, Pool, Wildcat Basin Fruitland Coal	
	11. Sec., Twn, Rge, Mer. (NMPM) D Sec. 27, T27N, R9W API # 30-045-34592	
14. Distance in Miles from Nearest Town 28 Miles/Bloomdeild, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 805'		
16. Acres in Lease 1040	17. Acres Assigned to Well FC 320.00 (W 1/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1046' from Huerfano #42		
19. Proposed Depth 2413' <small>This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4</small>	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6377' GL	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	2/4/08 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 2

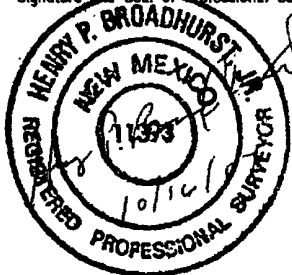
Bond Numbers NMB-000015 and NMB-000089

NMOCD

FEB 21 2008

AU

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

16 N 89°54' W N 89°51'05" W 2640.7' (R) 2642.1' (M) 860' 805' N 0°03' E N 0°03'08" E	2632.4' (R) 2630.6' (M)				17 <h3 style="text-align: center;">OPERATOR CERTIFICATION</h3> <p><i>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></p> <p style="text-align: right;"><i>Jamie Goodwin</i></p> <p>Signature Jamie Goodwin</p> <p>Printed Name Regulatory Tech.</p> <p>Title and E-mail Address 02/04/2008</p> <p>Date 02/04/2008</p>
WELLFLAG NAD 83 LAT: 36.551321° N LONG: 107.781920° W NAD 27 LAT: 36° 33.078795' N LONG: 107° 46.878362' W					18 <h3 style="text-align: center;">SURVEYOR CERTIFICATION</h3> <p><i>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.</i></p> <p>Date of Survey: 9/20/07 Signature and Seal of Professional Surveyor:</p> <div style="text-align: center;">  </div>
W/2 DEDICATED ACREAGE USA SF-078356-B SECTION 27 T-27-N, R-09-W					
USA SF-080117					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 DIVISION1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.

30-045- **34592**

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

SF-078356-B

7. Lease Name or Unit Agreement Name

Huefanito Unit

8. Well Number

#39S

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Fruitland Coal

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 D : 805' feet from the North line and 860' feet from the West line
 Section 27 Township 27N Rng 9W NMPM County San Juan

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

6377' GL

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'

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

OTHER:

New Drill Pit

☒**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, 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 Specialist

DATE

1/7/2008

Type or print name

Patsy Clugston

E-mail address: clugspl@conocophillips.com

Telephone No.

505-326-9518

For State Use OnlyDeputy Oil & Gas Inspector,
District #3

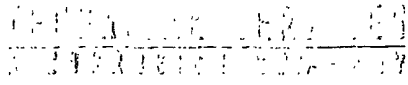
APPROVED BY

TITLE

DATE

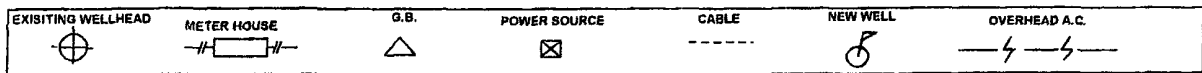
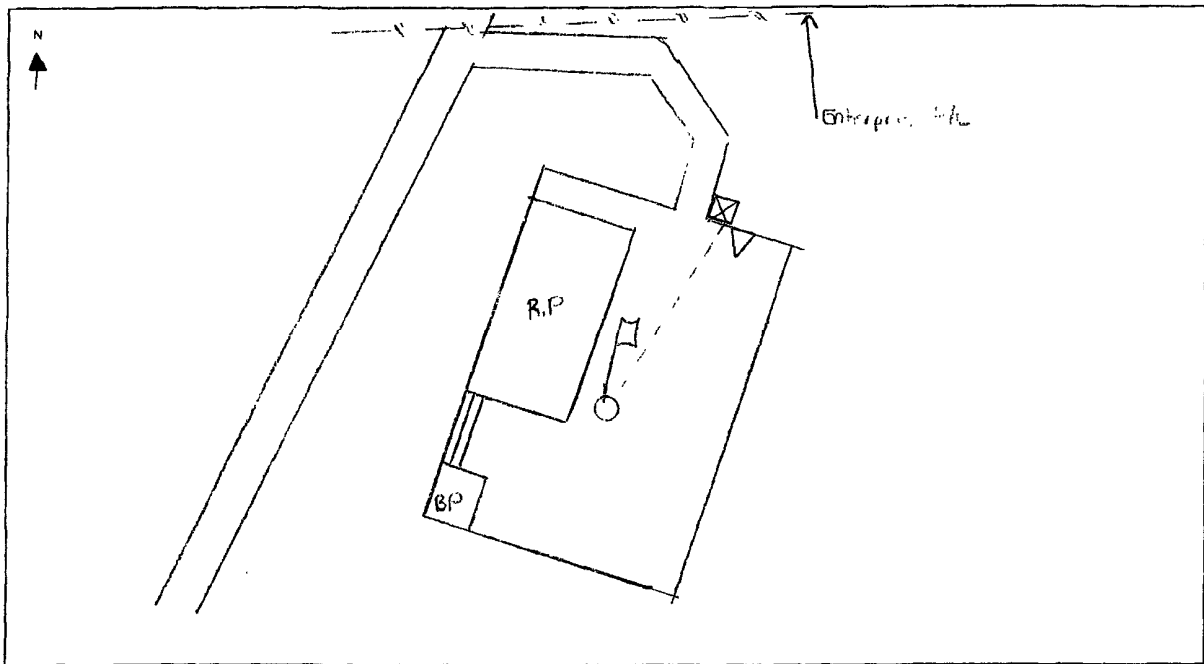
FEB 21 2008

Conditions of Approval (if any):



WELL NAME Huerfano Unit #395 LEGALS D-27-27-9 COUNTY San Juan

PURPOSED C.P. SYSTEM: Drill GB and set station on NE edge of the localizer (E side of access). Trench approx 100' of # 4 rebar, purposed until to swim



COMMENTS: 2 well solar

NEAREST POWER SOURCE _____ DISTANCE: _____

PIPELINES IN AREA: Enterprise PL

TECHNICIAN: Michael J. Nowak DATE: 10/26/07

6 CR 5412 BLOOMFIELD, N.M. 87413
OFFICE: 505-634-0271 CELL: 505-793-6953

RD.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 39S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7373		AFE \$: 561,510.00	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Clark, Dave D		Phone: 505-326-9762	Prod. Engineer:		Phone:
Res. Engineer:		Phone:	Proj. Field Lead:		Phone:
Primary Objective (Zones):					
Zone	Zone Name				
JCV	BASIN FRUITLAND COAL (GAS)				

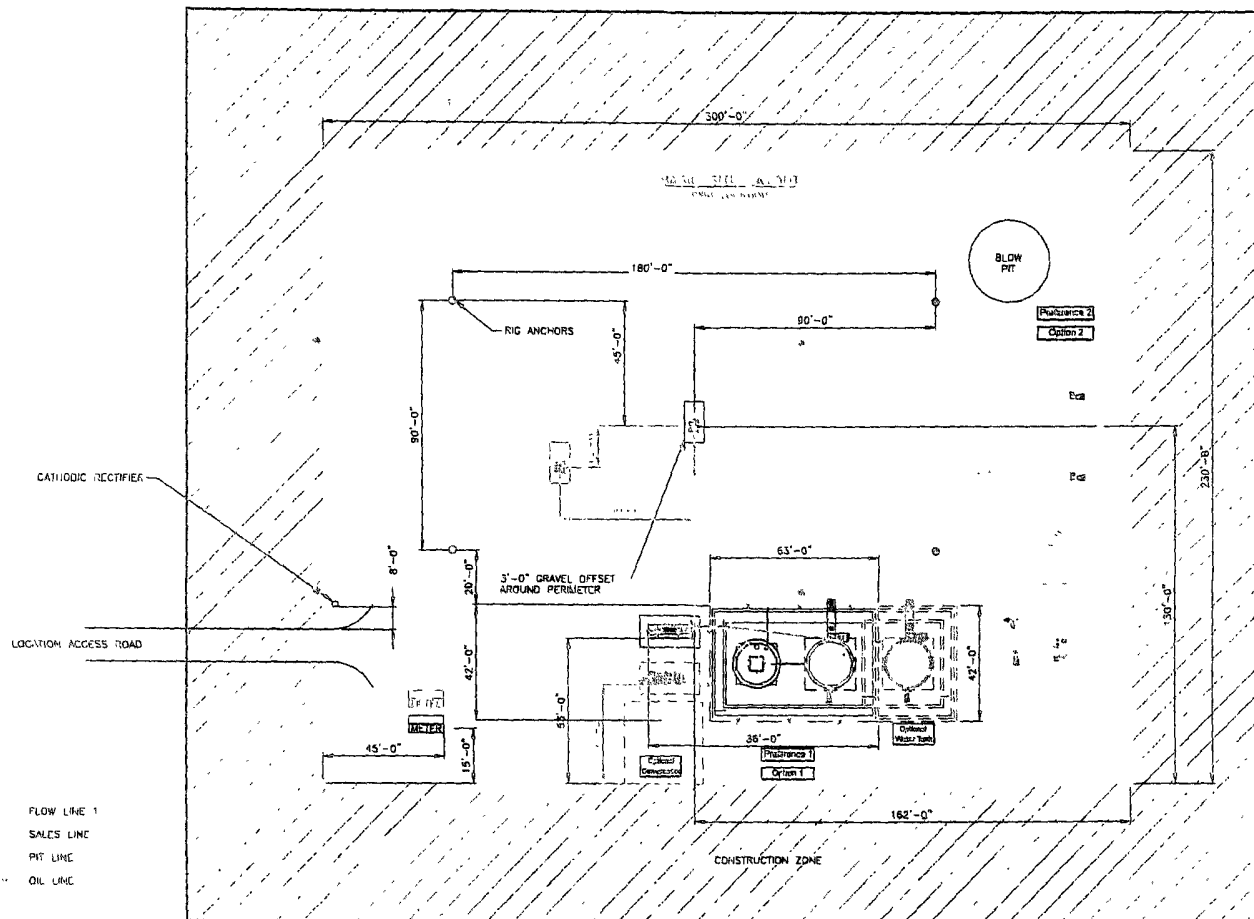
Location: Surface		Datum Code: NAD-27		Straight Hole	
Latitude: 36.551312	Longitude: -107.781305	X:	Y:	Section: 27	Range: 009W
Footage X:	Footage Y:	Elevation:	(FT)	Township: 027N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:	Date In Operation:
Formation Data: Assume KB = 6391 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6191	<input type="checkbox"/>		
OJO ALAMO	1391	5000	<input type="checkbox"/>		
KIRTLAND	1486	4905	<input type="checkbox"/>		
FRUITLAND	1854	4537	<input type="checkbox"/>	200	Gas
PICTURED CLIFFS	2213	4178	<input type="checkbox"/>		Gas
Total Depth	2413	3978	<input type="checkbox"/>		6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with xxx cuft. Circulate cement to surface. 371

Reference Wells:		
Reference Type	Well Name	Comments
Production	Huerfanito 47	27N-9W-27 NE SW NE
Production	Huerfantio 47R	27N-9W-27 SW NE NE
Production	Huerfantio 42	27N-9W-27 NE SW NW
Production	Huerfantio 41	27N-9W-28 SE NW NE

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
Cased Hole GR / CBL	

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



SEE SHEET 3 OF 5 FOR Piping DETAILS
ALL UNDERGROUND PIPING IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS		<div> </div>	CONOCOPhillips HIGH PRESSURE 5 PHASE FACILITY DIAGRAM- SITE LAYOUT		
DESCRIPTION	DATE	BY	CHK'D	CHK	DATE	DATE	DATE	DATE	DATE	DATE	DATE		DATE	DATE	DATE
PROCESS															
MECHANICAL															
PIPELINE															
ELECTRICAL															
I & C															
PIPE/STRUCTURAL															
PROJECT															

SAN JUAN BUSINESS UNIT

HP3PHASE-REV1

1 OF 5

BURLINGTON RESOURCES OIL AND GAS COMPANY LP

HUERFANITO UNIT #39S

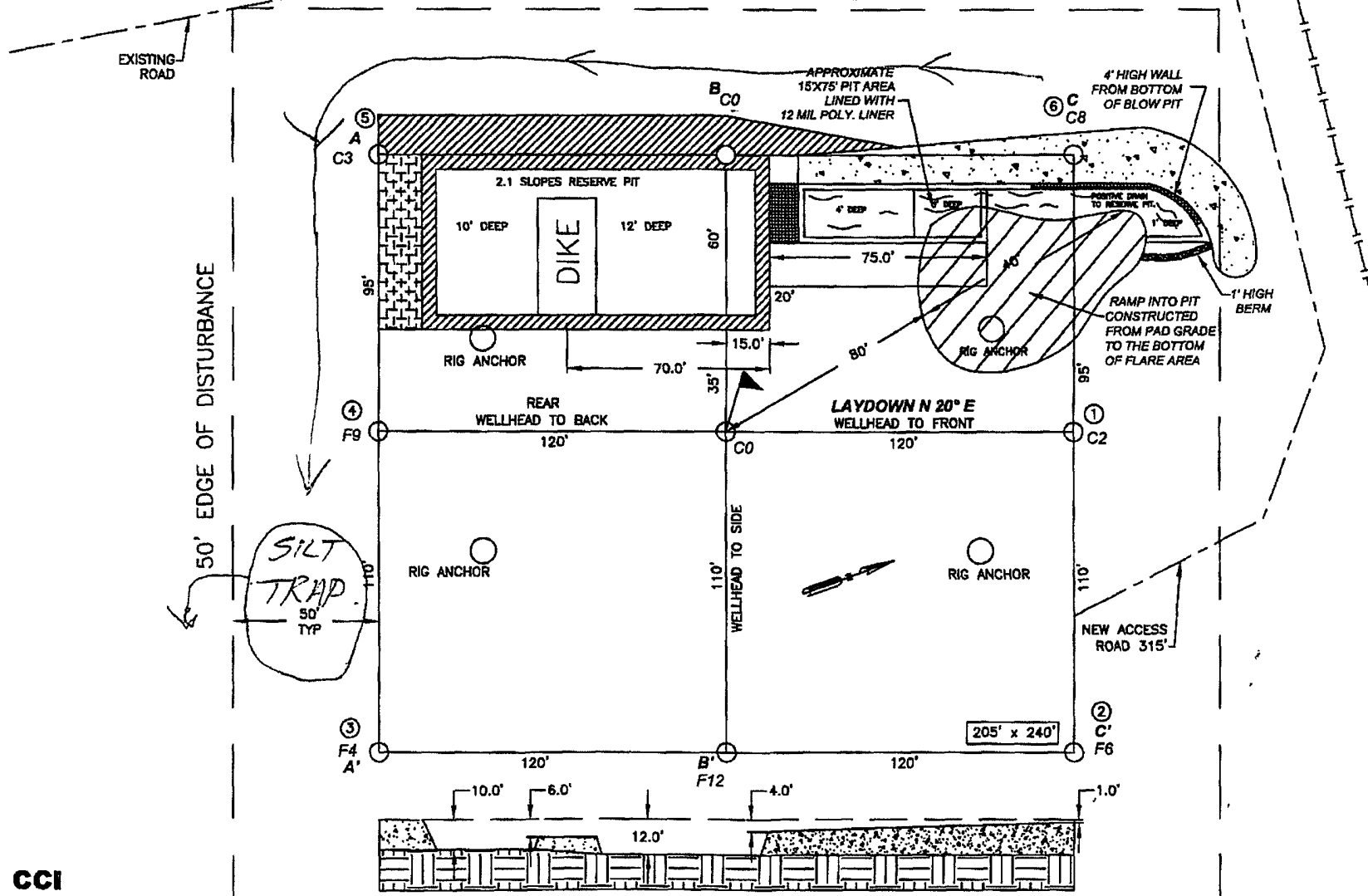
805' FNL, 860' FWL

SECTION 27, T-27-N, R-9-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

GROUND ELEV.: 6377 NAVD88 DATE: SEPTEMBER 20, 2007

NEW ACCESS 315'



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.

CCI

CHENAULT CONSULTING INC.

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

PIT CROSS SECTION

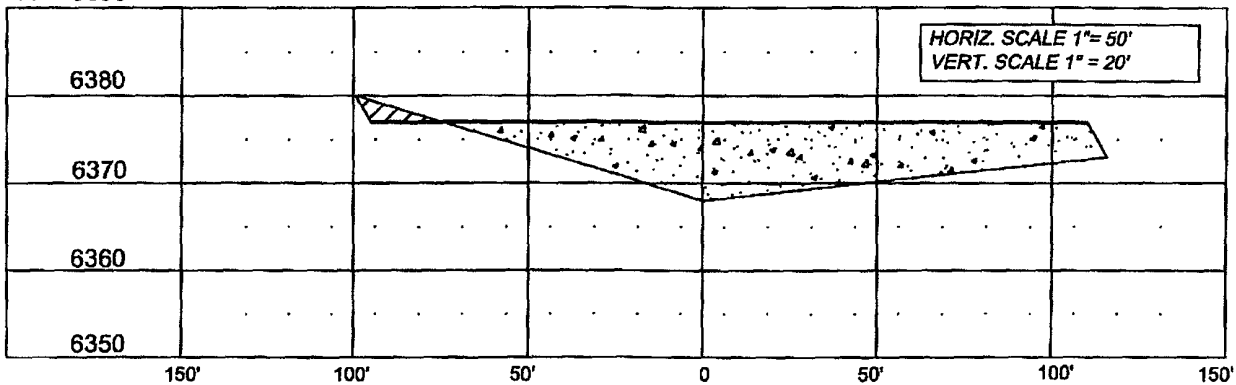
NAD 83 LAT.: 36.551321°N / LONG.: 107.781920°W

305' x 340' = 2.380 ACRES

BURLINGTON RESOURCES OIL AND GAS COMPANY LP
HUERFANITO UNIT #39S
805' FNL, 860' FWL
SECTION 27, T-27-N, R-9-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEV.: 6377 NAVD88

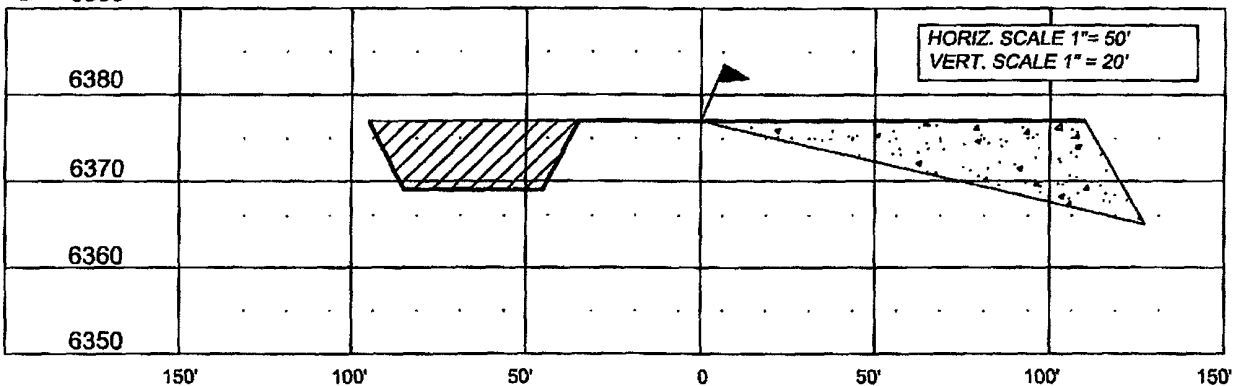
A - A' 6390

C/L



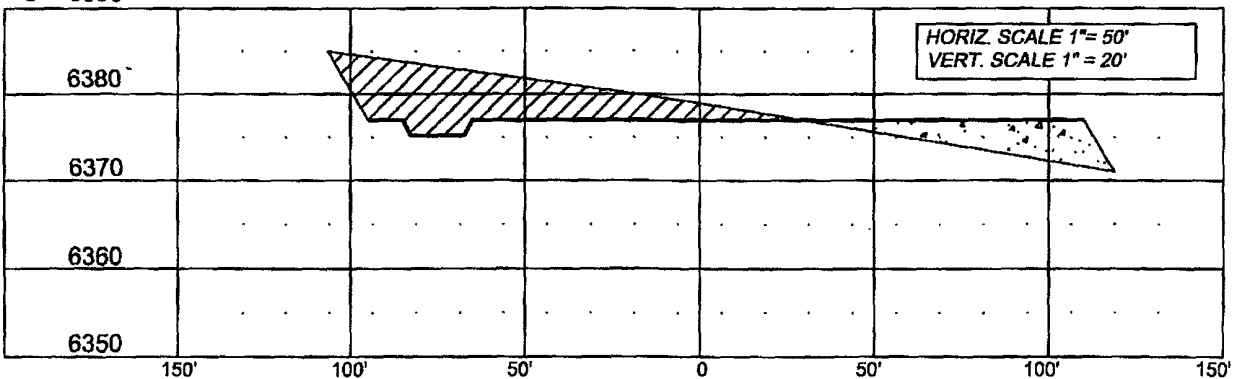
B - B' 6390

C/L



C - C' 6390

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	9/20/07

CCI

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

CHENAULT CONSULTING INC.