

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD JUN 19 '08

OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

PIT, CLOSED LOOP SYSTEM, BELOW GRADE
TANK, PROPOSED ALTERNATIVE METHOD
OR CLOSURE PLAN TO BE DESIGNED,
CONSTRUCTED, OPERATED & CLOSED
PURSUANT TO NMOCD RULE 19.15.17
EFFECTIVE 06/16/08

1a. Type of Work DRILL	RECEIVED MAR 04 2008 Bureau of Land Management Farmington Field Office	5. Lease Number SF-078103-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	
4. Location of Well Surf: Unit L(NWSW), 2000' FSL & 1115' FWL Surf: Latitude 36.442948° N Longitude 107.781560° W	9. Well Number #556	
10. Field, Pool, Wildcat Basin Fruitland Coal	11. Sec., Twn, Rge, Mer. (NMPM) L Sec. 34, T26N, R9W API # 30-045-34620	
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 1115'	16. Acres in Lease 640.00	17. Acres Assigned to Well 320.00 Acres (W/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 3396' from Huerfano #552 - FC	19. Proposed Depth 2205'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6523' 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 3/3/08 Date	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <u>Crystal Walker</u> Crystal Walker (Regulatory Technician)	

Obtain a pit permit from NMOCD
prior to constructing location

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY DJ Mantei TITLE AFM DATE 6/17/08

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 2

Bond Numbers NMB-000015 and NMB-000089

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

NMOCD

JUN 20 2008

aw

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, 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

MAR 04 2008

Bureau of Land Management ☐ AMENDED REPORT
Burlington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34620	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 7139	⁵ Property Name HUERFANO UNIT	⁶ Well Number 558
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6523

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
L	34	26-N	9-W		2000	SOUTH	1115	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
L									

¹² Dedicated Acres 320.00 W/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

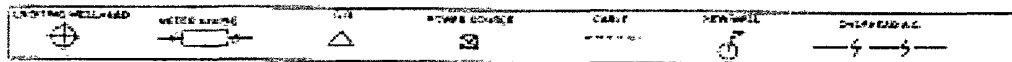
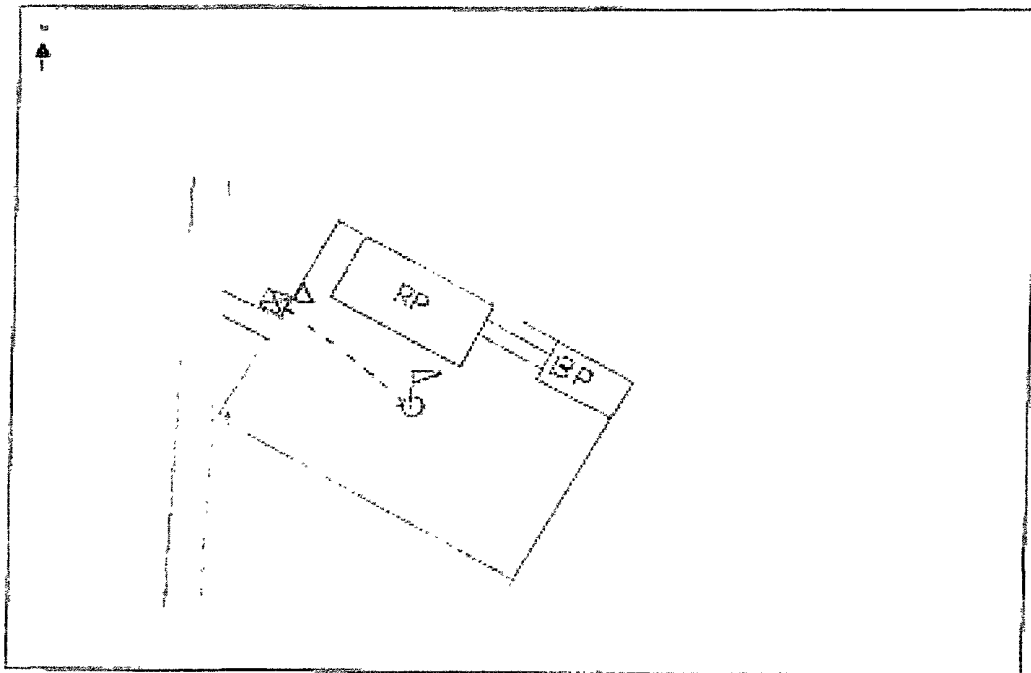
¹⁶ W/2 DEDICATED ACREAGE SF-078103-A SECTION 34 T-26-N, R-9-W WELL FLAG NAD 83 LAT: 36.442948° N LONG: 107.781560° W NAD 27 LAT: 36.576312° N LONG: 107.46.856751° W 1115' 2000' 5221.9' (R) 5223.1' (M)	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete 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. Signature Sasha Spangler Printed Name Regulatory Technician Title and E-mail Address 11-30-07 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: 11/07/07 Signature and Seal of Professional Surveyor: Certificate Number: 11-4488



CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Hudson Well #556 LEGALS 34-20-9 COUNTY Soc. 1000

PURPOSED C.P. SYSTEM: Inst. an. and set two well poles at 3 end of pad. Trench approx 250' at 25' negative from wellhead to poles



COMMENTS: _____

NEAREST POWER SOURCE 34-2 DISTANCE: N/A
PIPELINES IN AREA: N/A

TECHNICIAN: John H. Hargis DATE: 12/16/07

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

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANO UNIT 556

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7446		AFE \$: 182,668.29	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Clark, Dave D		Phone: 505-326-9762		Prod. Engineer:	
Res. Engineer: Akwari, Bill N		Phone: +1 505-326-9700		Proj. Field Lead:	

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface	Datum Code: NAD 27
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Latitude: 36.442938	Longitude: -107.780946	X:	Y:	Section: 34	Range: 009W
Footage X: 1115 FWL	Footage Y: 2000 FSL	Elevation: 6523	(FT)	Township: 026N	

Tolerance:	Location Type:	Start Date (Est.): 1/1/2008	Completion Date:	Date In Operation:
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Formation Data:	Assume KB = 6535	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6415	☐			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	1201	5334	☐			
KIRTLAND	1310	5225	☐			
FRUITLAND	1719	4816	☐	400		Gas
PICTURED CLIFFS	2005	4530	☐			Gas
Total Depth	2205	4330	☐			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 339 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	Huerfano 552	NE34-26N-9W

Logging Program:

Intermediate Logs:	☐ Log only if show	☐ GR/ILD	☐ Triple Combo
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TD Logs:	☐ Triple Combo	☐ Dipmeter	☐ RFT	☐ Sonic	☐ VSP	☒ TDT	☐ Other
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GR/
CBL

Additional Information:

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

BURLINGTON RESOURCES OIL AND GAS COMPANY LP

HUERFANO UNIT #556

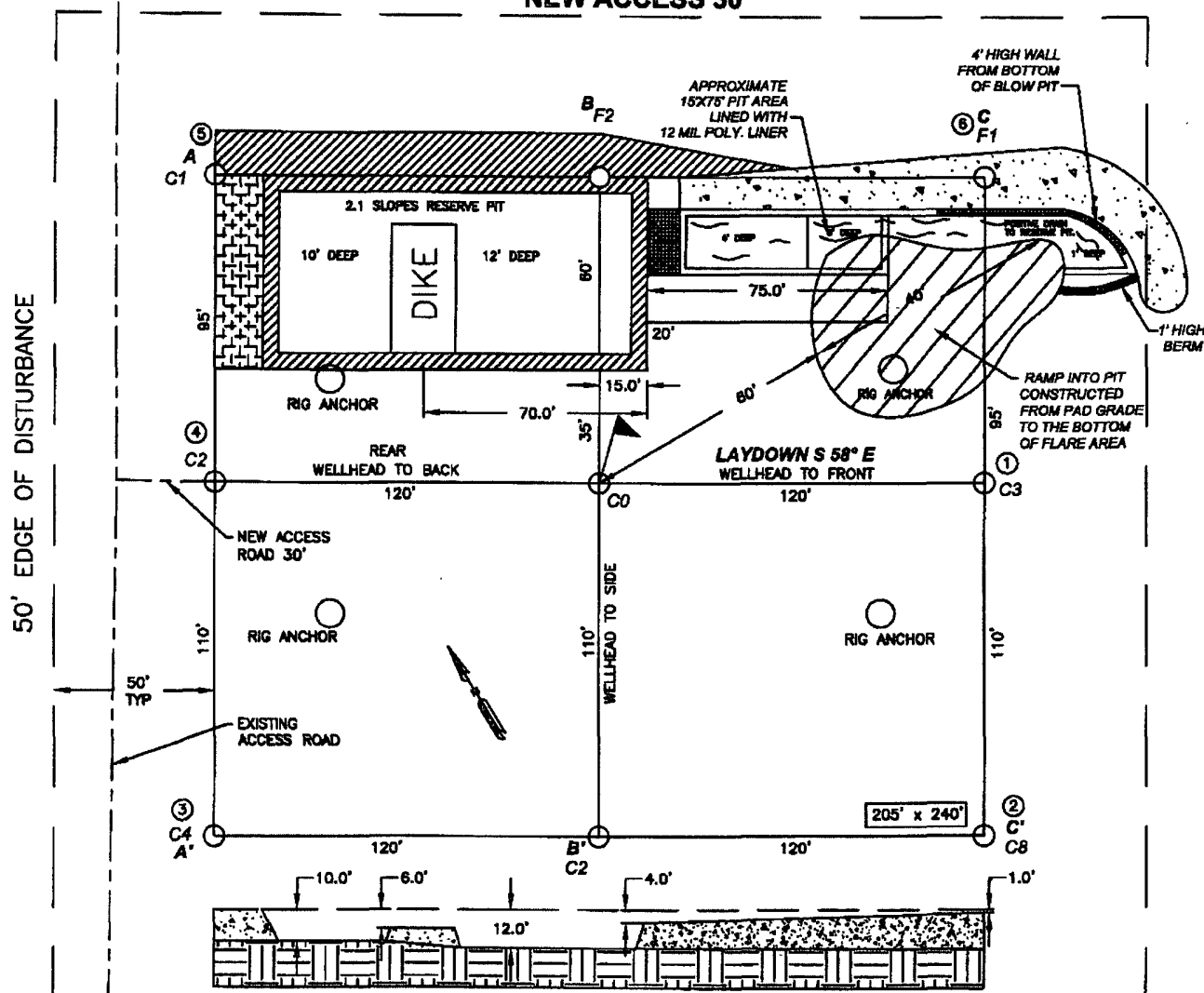
2000' FSL, 1115' FWL

SECTION 34, T-26-N, R-9-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

GROUND ELEV.: 6523 NAVD88 DATE: NOVEMBER 7, 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.

PIT CROSS SECTION

NAD 83 LAT.: 36.442948°N / LONG.: 107.781560°W

305' x 340' = 2.380 ACRES

BURLINGTON RESOURCES OIL AND GAS COMPANY LP

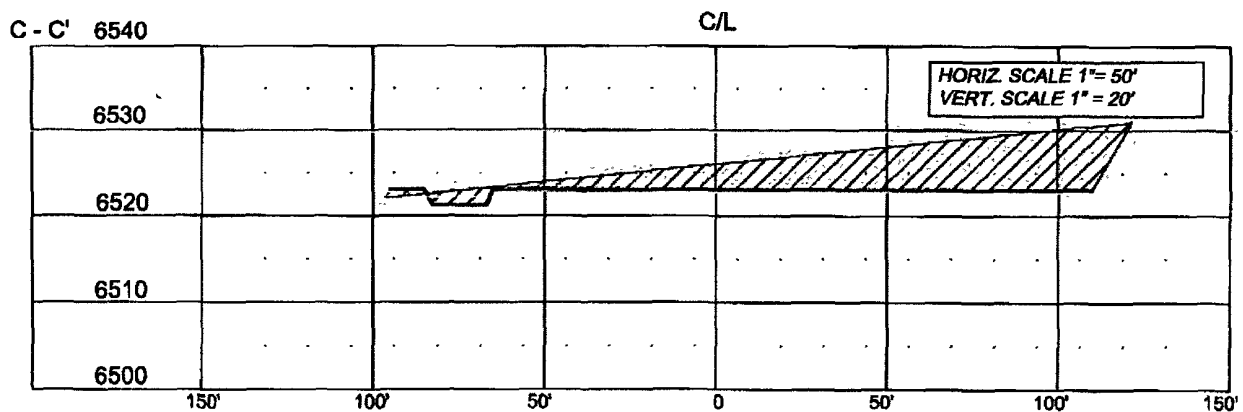
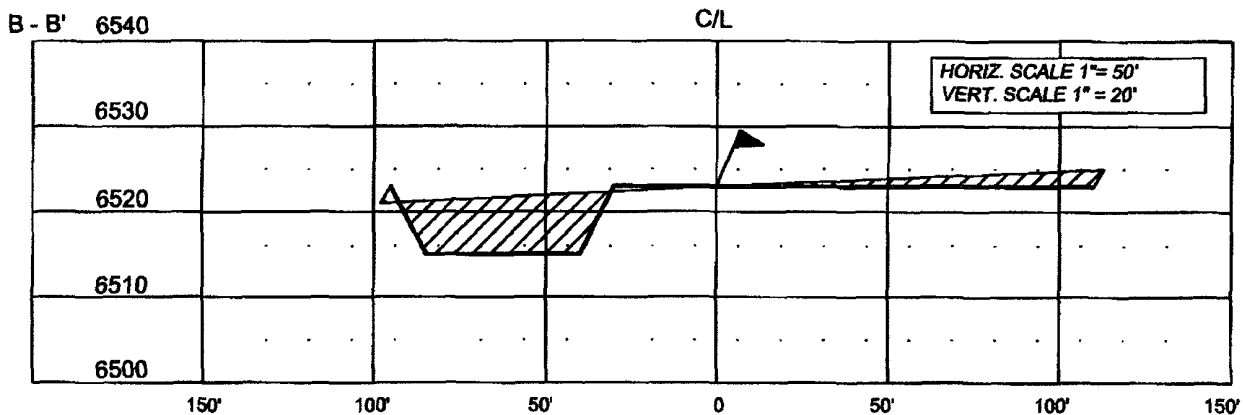
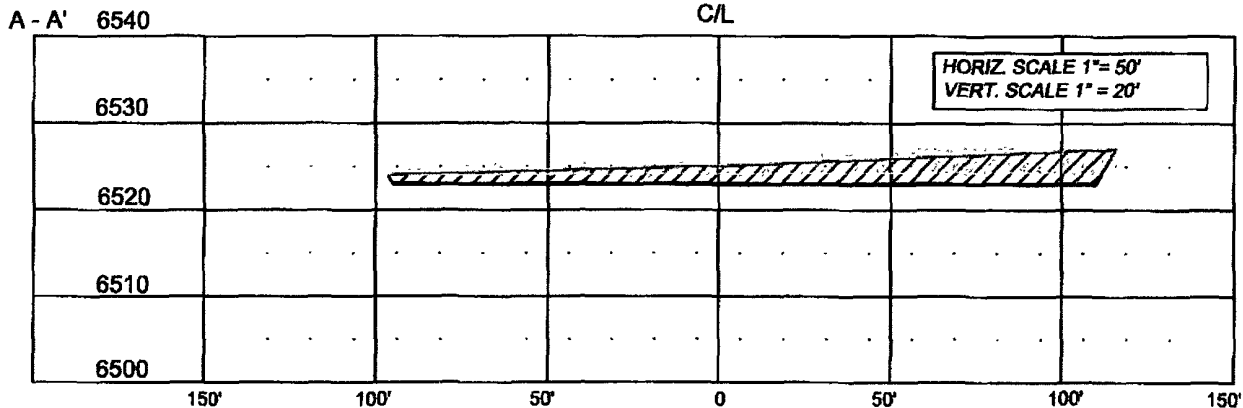
HUERFANO UNIT #556

2000' FSL, 1115' FWL

SECTION 34, T-26-N, R-9-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

ELEV.: 6523 NAVD88



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	11/7/07

CCI

CHEHAULT CONSULTING INC.

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