

RCVD MAR 14 '08

OIL CONS. DIV.

DIST. 3

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 FEB 21 2008 Bureau of Land Management Farmington Field Office	5. Lease Number USA NM-03486-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
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Lloyd A 9. Well Number #100
4. Location of Well Surf: Unit K(NESW), 1951' FSL & 1687' FWL Surf: Latitude 36.738220° N Longitude 108.000325° W		10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) K Sec. 9, T29N, R11W API # 30-045-34597
14. Distance in Miles from Nearest Town 3 mile/Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1687'		
16. Acres in Lease 760	17. Acres Assigned to Well Basin FC 320 (S/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 365' from Lloyd A 4		
19. Proposed Depth 2070'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5662' 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)	<u>2/20/08</u> 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

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

NMOCD

MAR 19 2008

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

DISTRICT I
1626 N. French Dr., Hobbs, N.M. 88240

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

FEB 21 2008

Bureau of Land Management
Mineral Field Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34597	² Pool Code 71629	³ Pool Name BASIN (FRUITLAND COAL)
⁴ Property Code 7290-7270	⁵ Property Name LLOYD A	⁶ Well Number 100
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP.	⁹ Elevation 5662

¹⁰ Surface Location

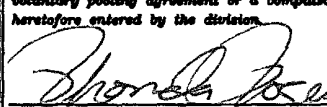
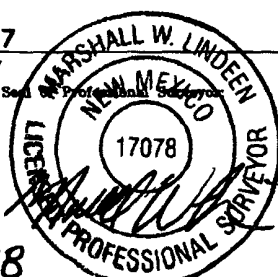
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	9	29 N	11 W		1951	SOUTH	1687	WEST	SAN JUAN

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
K									

¹² Dedicated Acres 320 (S/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

5263.82'	16 N 89°58'51" E	2648.60'	N 89°58'15" E	2639.40'	2637.88'	S 0°14'14" 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.  Signature Rhonda Rogers Date 10-30-07 Printed Name
	SECTION 9						
N 0°15'57" E	1687'	NAD 83 LAT: 36.738220° N LONG: 108.000325° W NAD 27 LAT: 36°44.2929' N LONG: 107°59.9821' W			2631.51'	S 0°15'43" W	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. 9/21/07 Date of Survey  Signature and Seal of Professional Surveyor 17078 Certificate Number
		1951'	USA NM-03486-A				
		2606.21'	S 89°24'42" W	2683.58'			

Submit 3 Copies To Appropriate District
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
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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- 34597
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	NM-03486-A
7. Lease Name or Unit Agreement Name	Lloyd A
8. Well Number	#100
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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> 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 <u>K</u> : <u>1951'</u> feet from the <u>South</u> line and <u>1687'</u> feet from the <u>West</u> line Section <u>9</u> Township <u>29N</u> Rng <u>11W</u> NMPM County <u>San Juan</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5662' GL

Pit or Below-grade Tank Application	<input type="checkbox"/> or Closure <input type="checkbox"/>
Pit type <u>New Drill</u> Depth to Groundwater <u>>100'</u> Distance from nearest fresh water well <u>>1000'</u> Distance from nearest surface water <u>>200'</u>	
Pit Liner Thickness: <u>12</u> mil Below-Grade Tank: Volume <u> </u> bbls; Construction Material <u> </u>	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK	<input type="checkbox"/>	REMEDIAL WORK	<input type="checkbox"/>
TEMPORARILY ABANDON	<input type="checkbox"/>	COMMENCE DRILLING OPNS.	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	CASING/CEMENT JOB	<input type="checkbox"/>
OTHER:	<input checked="" type="checkbox"/> New Drill Pit	OTHER:	<input type="checkbox"/>

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 Patsy Clugston TITLE Regulatory Specialist DATE 1/8/2008

Type or print name Patsy Clugston E-mail address: clugspl@conocophillips.com Telephone No. 505-326-9518

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE MAR 19 2008

Conditions of Approval (if any):

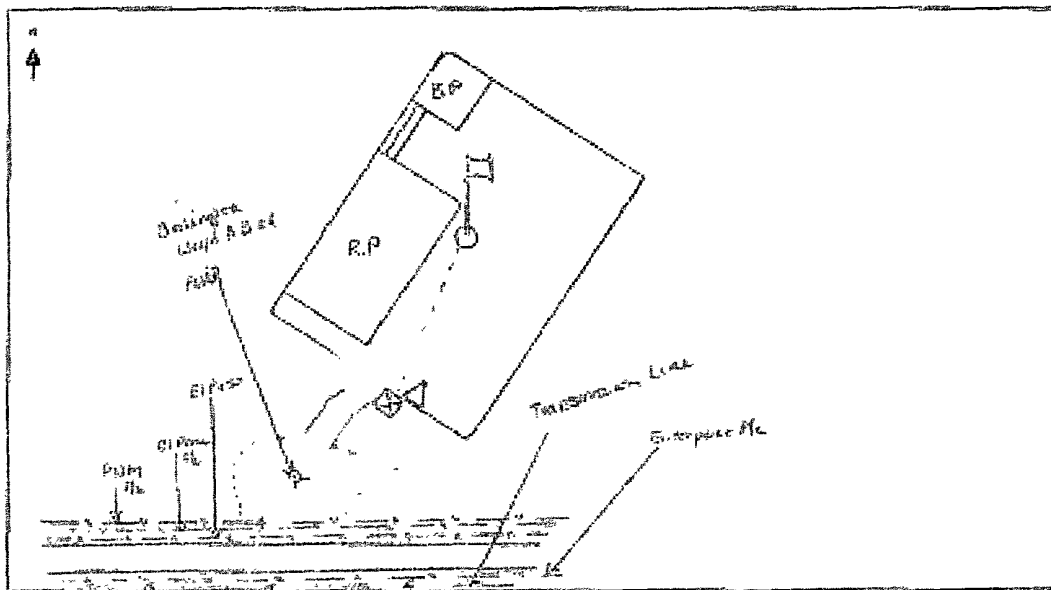


NEW MEXICO
DEPARTMENT OF ENERGY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Ward A 9100 LEGALS K-9-99-11 COUNTY San Juan

PURPOSED C.P. SYSTEM: Drill AB and set 2 well pipe on SE edge of location. Touch
down 100' of 25 mg from ground well to set.



CONNECTIONS	VALVES	WELLS	TRANSFORMERS	WELLS	TRANSFORMERS	CONNECTIONS

COMMENTS: _____

NEAREST POWER SOURCE Ward DISTANCE: _____

PIPELINES IN AREA: Ward Pl. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

TECHNICIAN: Ward DATE: 10/20/07

Handwritten signature or initials.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LLOYD A 100

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7349		AFE \$: 189,835.86	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM County: SAN JUAN API #:	
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		State: NM	
Latitude: 36.738215	Longitude: -107.999702	X:	Y:	Section: 09	Range: 011W
Footage X: 1687 FWL	Footage Y: 1951 FSL	Elevation: 5662 (FT)	Township: 029N		
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date: Date In Operation:	
Formation Data: Assume KB = 5674 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	120	5554	<input type="checkbox"/>		
OJO ALAMO	556	5118	<input type="checkbox"/>		
KIRTLAND	671	5003	<input type="checkbox"/>		
FRUITLAND	1517	4157	<input type="checkbox"/>	400	Gas
FRUITLAND COAL	1634	4040	<input type="checkbox"/>		
PICTURED CLIFFS	1870	3804	<input type="checkbox"/>		Gas
Total Depth	2070	3604	<input type="checkbox"/>		6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 318 cuft. Circulate cement to surface.

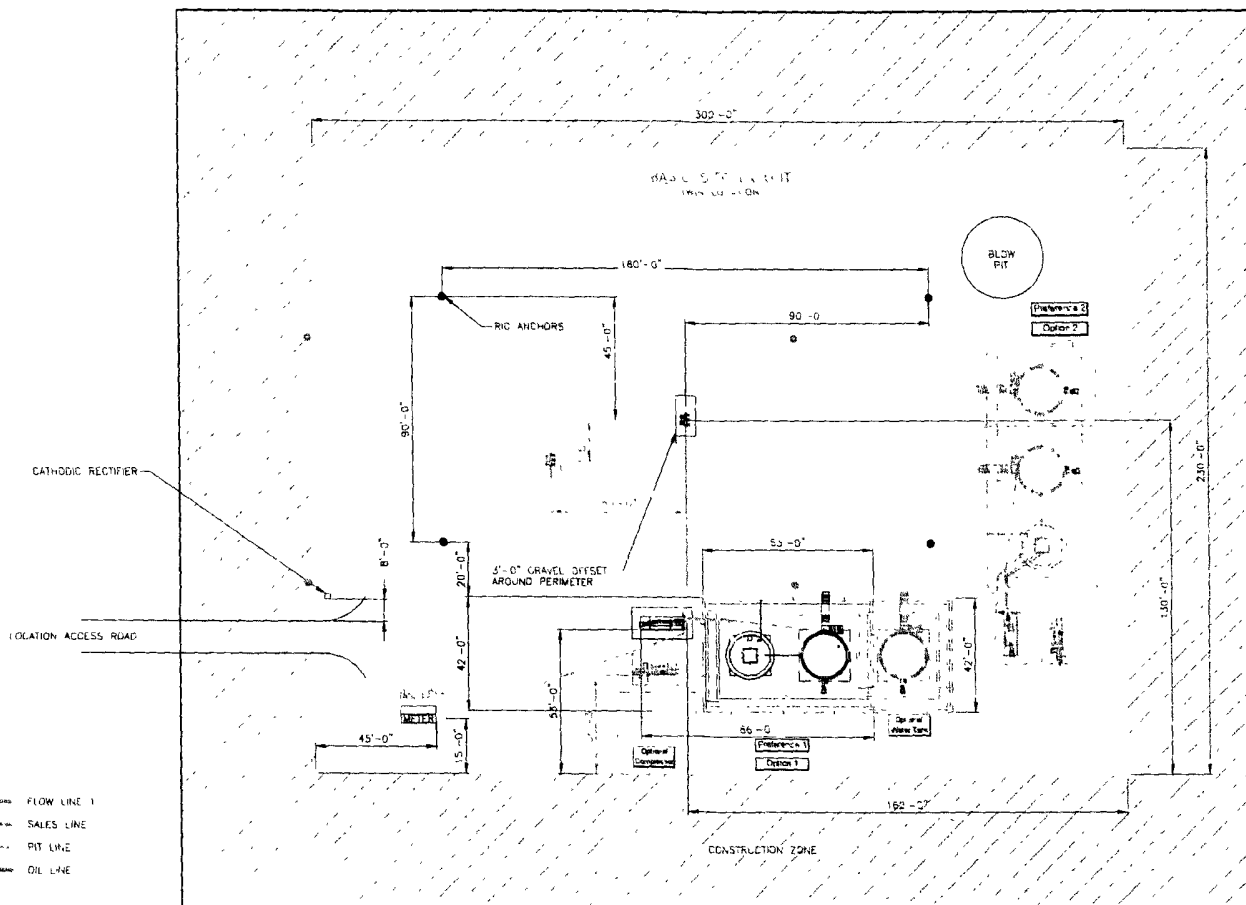
Reference Wells:		
Reference Type	Well Name	Comments

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
GR_CBL	

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

Comments:



FLOW LINE 1
 SALES LINE
 PIT LINE
 OIL LINE

SEE SHEET 3 & 4 FOR PIPING DETAIL -
 ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TO 10'

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS		CONOCOPhillips HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT		
NO.	DESCRIPTION	DATE	BY	CHK'D	ENG	DES	HL	PROJECT	NO.	DESCRIPTION	NO.			
1	PROCESS													
2	MATERIAL													
3	PLUMBING													
4	ELECTRICAL													
5	HAZOP													
6	HAZID													
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SAN JUAN BUSINESS UNIT

CONOCOPhillips
 HIGH PRESSURE 3 PHASE
 FACILITY DIAGRAM- SITE LAYOUT

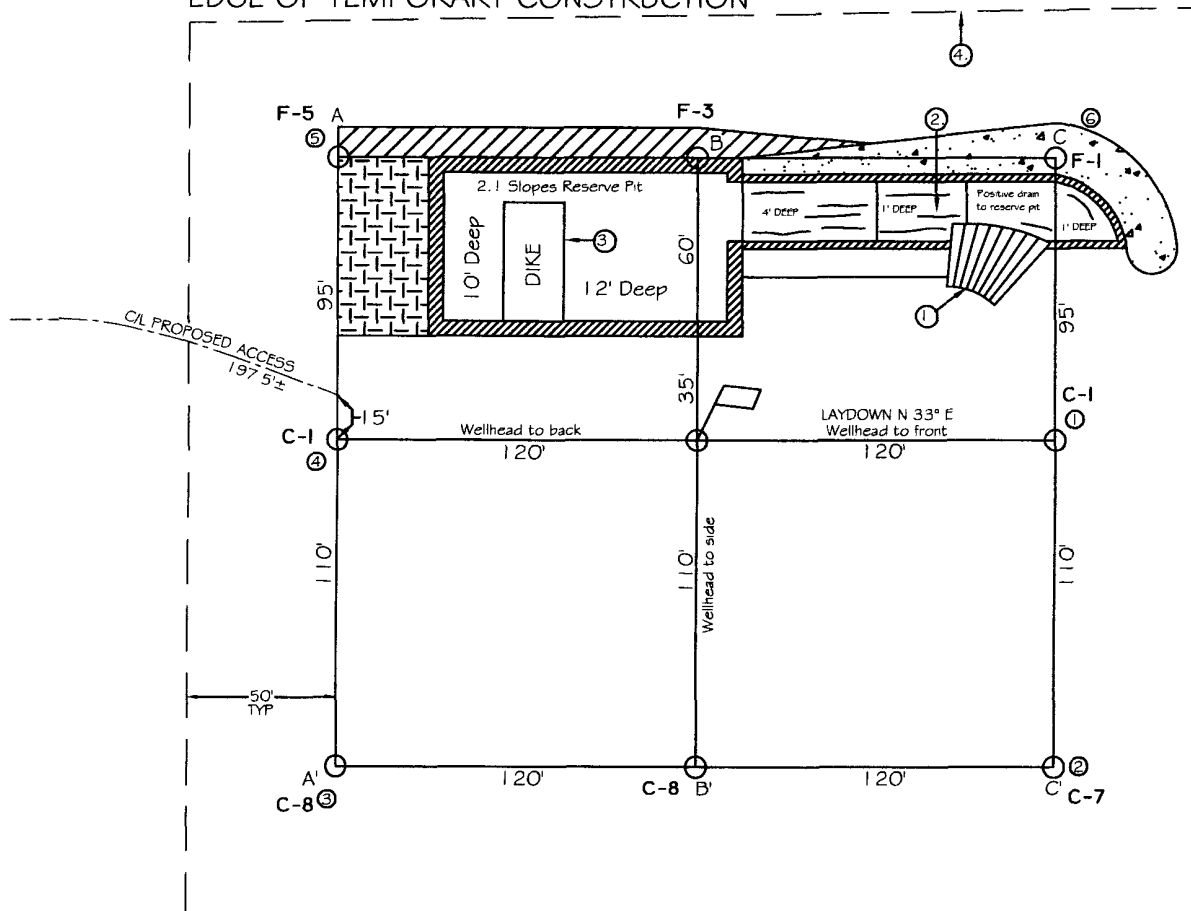
CLIENT NO.	CLIENT ADDR.	ISSUE DATE
DRAWN BY	SCALE NONE	DESIGN DATE 06/28/07
DATE	DATE	DATE
HP3PHASE-REV1		1, X & 1, 43

BURLINGTON RESOURCES OIL & GAS COMPANY LP.
LLOYD A 100 - 1951' FSL & 1687' FWL
SECTION 9, T-29-N, R-11-W, N.M.P.M., SAN JUAN COUNTY, N.M.
GROUND ELEVATION: 5662 - DATE: SEPTEMBER 21, 2007

PAD CONST. SPECS:

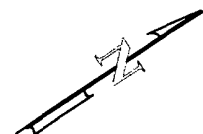
- 1 RAMP INTO PIT CONSTRUCTED FROM PAD GRADE INTO FLARE AREA AT 5% SLOPE
- 2 APPROXIMATE 13x75' PIT AREA LINED WITH 12 MIL POLYLINER
- 3 RESERVE PIT DIKE TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE)
- 4 EDGE OF TEMPORARY CONSTRUCTION DEFINED IN FIELD W/6 T-POST

EDGE OF TEMPORARY CONSTRUCTION



WELLPAD = 1.13 ACRES
 TEMPORARY CONSTRUCTION = 1.25 ACRES
 TOTAL = 2.38 ACRES

LATITUDE: 36°44.2929' N LONGITUDE: 107°59.9821' W NAD 27



0 30 60
 SCALE: 1"=60'

NOTES:

- 1.) CONTRACTOR SHOULD CALL "ONE-CALL" FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELLPAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONST.
- 2.) UNITED FIELD SERVICES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

SURVEYED: 9/21/07

REV. DATE:

APP. BY M.W.L.

DRAWN BY: H.S.

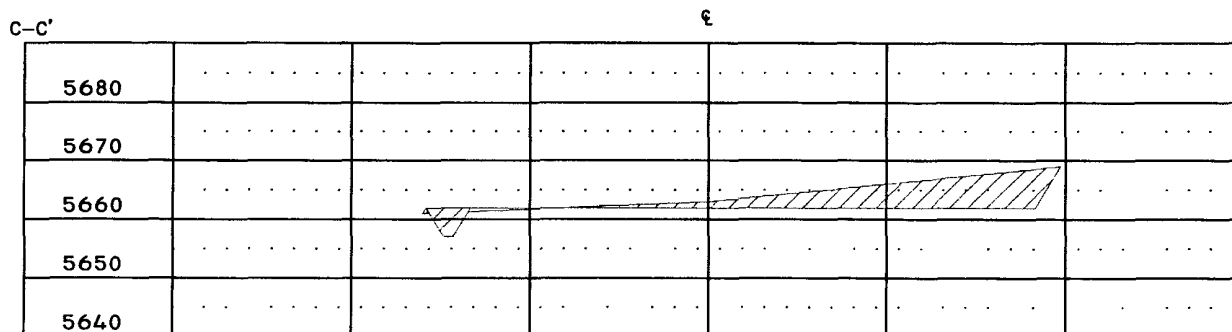
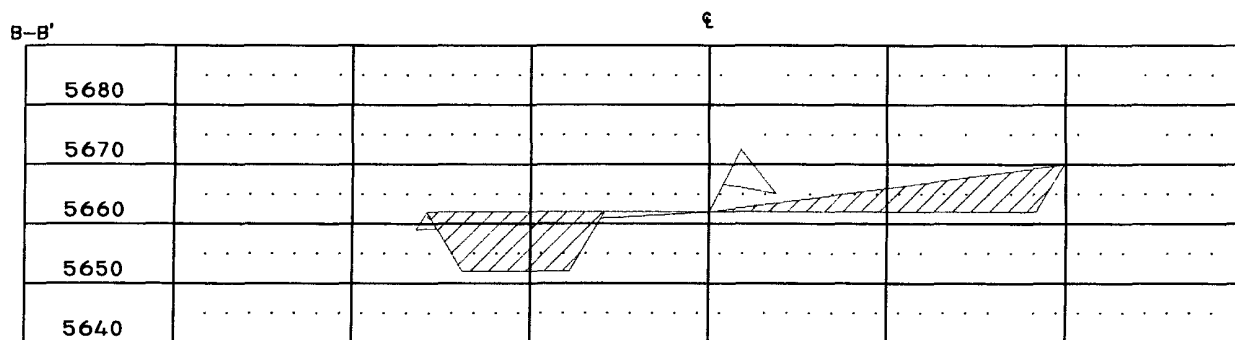
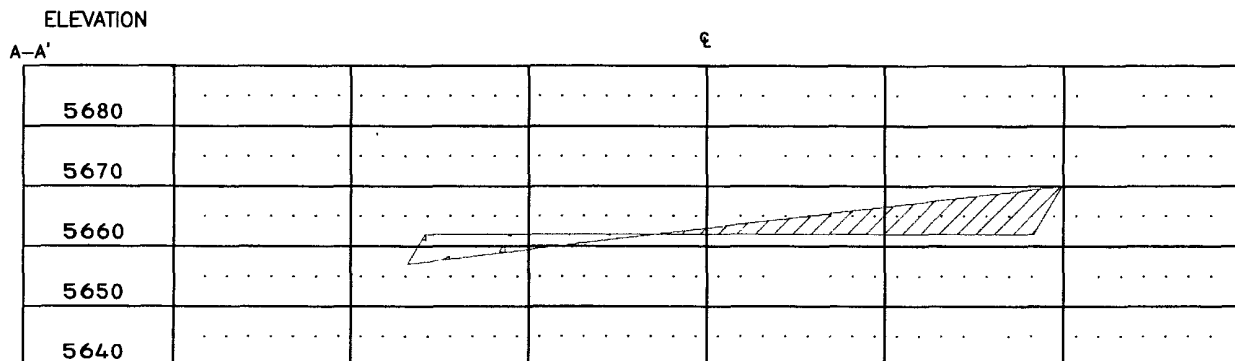
DATE DRAWN: 10/9/07

FILE NAME: 7935L01



P.O. BOX 3651
 FARMINGTON, NM 87499
 OFFICE: (505)334-0408

BURLINGTON RESOURCES OIL & GAS COMPANY LP.
 LLOYD A 100 -1951' FSL & 1687' FWL
 SECTION 9, T-29-N, R-11-W, N.M.P.M., SAN JUAN COUNTY, N.M.
 GROUND ELEVATION: 5662 - DATE: SEPTEMBER 21, 2007



1" = 60' - HORIZ.
 1" = 30' - VERT.

NOTES:

- 1.) CONTRACTOR SHOULD CALL "ONE-CALL" FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELLPAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONST.
- 2.) UNITED FIELD SERVICES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

SURVEYED: 9/21/07

REV. DATE:

APP. BY M.W.L.

DRAWN BY: H.S.

DATE DRAWN: 10/9/07

FILE NAME: 7935C01



P.O. BOX 3651
 FARMINGTON, NM 87499
 OFFICE: (505)334-0408