

RCVD APR 10 '08

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	5. Lease Number USA NM-03486-A Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator <b>BURLINGTON</b> 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 #100S
4. Location of Well Surf: Unit J(NWSE), 1535' FSL & 1405' FEL  Surf: Latitude 36.73710° N Longitude 107.99283° W	10. Field, Pool, Wildcat Basin Fruitland Coal  11. Sec., Twn, Rge, Mer. (NMPM) J Sec. 9, T29N, R11W API # 30-045-34663
14. Distance in Miles from Nearest Town 9 mile/Bloomfield	12. County San Juan
15. Distance from Proposed Location to Nearest Property or Lease Line 1405'	13. State NM
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 94' from Beta Development Federal #1	
19. Proposed Depth 2092'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5658' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler(Regulatory Technician)	<u>3-18-08</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

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

APR 14 2008

NMOC

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

RECEIVED

MAR 19 2008

Form C-102

DISTRICT I  
1625 N. French Dr., Hobbs, N.M. 88240State of New Mexico  
Energy, Minerals & Natural Resources DepartmentDISTRICT II  
1301 W. Grand Ave., Artesia, N.M. 88210

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, NM 87505DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410DISTRICT IV  
1220 South St. Francis Dr., Santa Fe, NM 87505Revised October 12, 2005  
Bureau of Land Management  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045- <u>34663</u>	<sup>2</sup> Pool Code 71629	<sup>3</sup> Pool Name BASIN FRUITLAND COAL
<sup>4</sup> Property Code 7270	<sup>5</sup> Property Name LLOYD A	<sup>6</sup> Well Number 100S
<sup>7</sup> GRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	<sup>9</sup> Elevation 5658

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	9	29-N	11-W		1535	SOUTH	1405	EAST	SAN JUAN

<sup>11</sup> 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
J									
<sup>12</sup> Dedicated Acres 320 S/2			<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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

LAT: 36.73710° N. (NAD 83) LONG: 107.99283° W. (NAD 83) LAT: 36°44.2257' N. (NAD 27) LONG: 107°59.5324' W. (NAD 27)		FD. 5/8" REBAR	
USA NM-03486-A		FD. 2 1/2" AC. 1994 LS. No. 11598	
S 89-22-36 W 2684.44' (M)		FD. 5/8" REBAR	

<sup>17</sup> 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.

Sasha Spangler 01-03-08  
Signature Date  
Sasha Spangler  
Printed Name

<sup>18</sup> 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.

NOVEMBER 13 2007  
Date of Survey  
Signature and Seal of Professional Surveyor  
RECEIVED  
PROFESSIONAL LAND SURVEYOR  
Certificate Number

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- 3466103

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil &amp; Gas Lease No.

USA NM-03486-A

7. Lease Name or Unit Agreement Name

Lloyd A

8. Well Number

#100S

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Fruitland Coal

SUNDRIY 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 &amp; GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter J : 1535 feet from the South line and 1405 feet from the East line  
Section 9 Township 29N Rng 11W NMPM County San Juan

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

5658' GR

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type

New Drill

Depth to Groundwater

&gt;100'

Distance from nearest fresh water well

&gt;1000'

Distance from nearest surface water

&lt;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 Specialist DATE 3/13/2008

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 &amp; Gas Inspector,

DATE

APR 14 2008

Conditions of Approval (if any):

District #3

COMPANY

BURLINGTON

CHARGE CODE

WAN.RFE.PD07.GW

WELL NAME

Lloyd A # 100 S

DATE

12/20/2007

DUAL WELL

WELL NAME

TRIPLE WELL

WELL NAME

COORDINATES

SEC

TNSHP

RNGE

LATITUDE

LONGITUDE

J 9

29 N

11 W

36.442257 N

107.595324 W

COUNTY

SAN JAUN

RECTIFIER

SOLAR

GROUND BED

240 V METER POLE

480 V METER POLE

D C CABLES

A C CABLES

PRIMARY POWER

DISTANCE TO POWER

UNDERGROUND

PUMPJACK

WATER PUMP

COMPRESSOR

RTU

SAMS

TANKS

SIZE

NEEDED

EXISTING

1 PHASE

3 PHASE

single

x

x

city Ftm

x

1 mile

COMMENTS

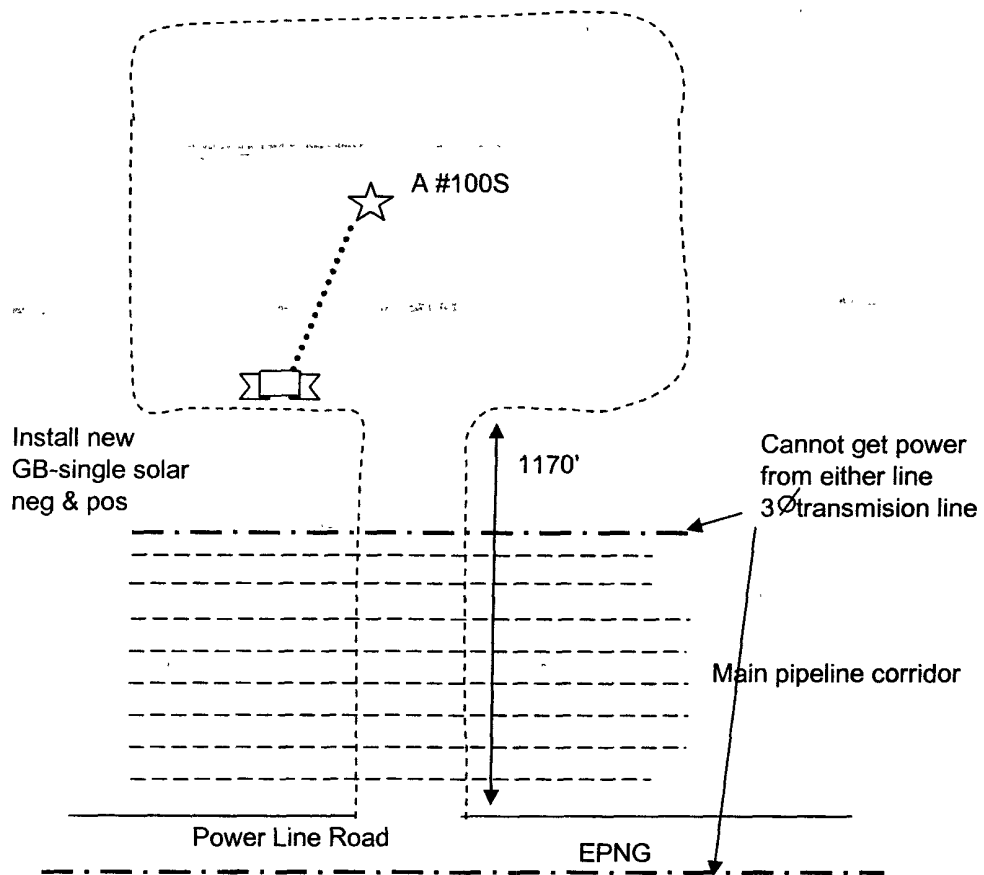
Install single well solar system -- Power lines that are close are not for service to

customers. -- sandy soil

# Lloyd A # 100 S



sandy soil



TANK 	DEHY 	SOLAR 	METER POLE 	JACK 	GND/BED EXISTING CABLE 
RECT 	PIT 	WELL 	proposed solar/gb 	PROPOSED CABLE 	POWER LINE 
			FOREIGN PL 		CONOCO PL 

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LLOYD A 100S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7350		AFE \$: 193,563.15	
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: 36.737095	Longitude: -107.992207	X:	Y:	Section: 09	Range: 011W
Footage X: 1405 FEL	Footage Y: 1535 FSL	Elevation: 5658	(FT)	Township: 029N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
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Formation Data:	Assume KB = 5670	Units = FT				
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	5550	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	585	5085	<input type="checkbox"/>			
KIRTLAND	696	4974	<input type="checkbox"/>			
FRUITLAND	1545	4125	<input type="checkbox"/>	400	Gas	
FRUITLAND COAL	1670	4000	<input type="checkbox"/>			
PICTURED CLIFFS	1892	3778	<input type="checkbox"/>		Gas	
Total Depth	2092	3578	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 321 cuft. Circulate cement to surface.

## Reference Wells:

Reference Type	Well Name	Comments
Intermediate	Federal 1	

## Logging Program:

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

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

GR\_CBL

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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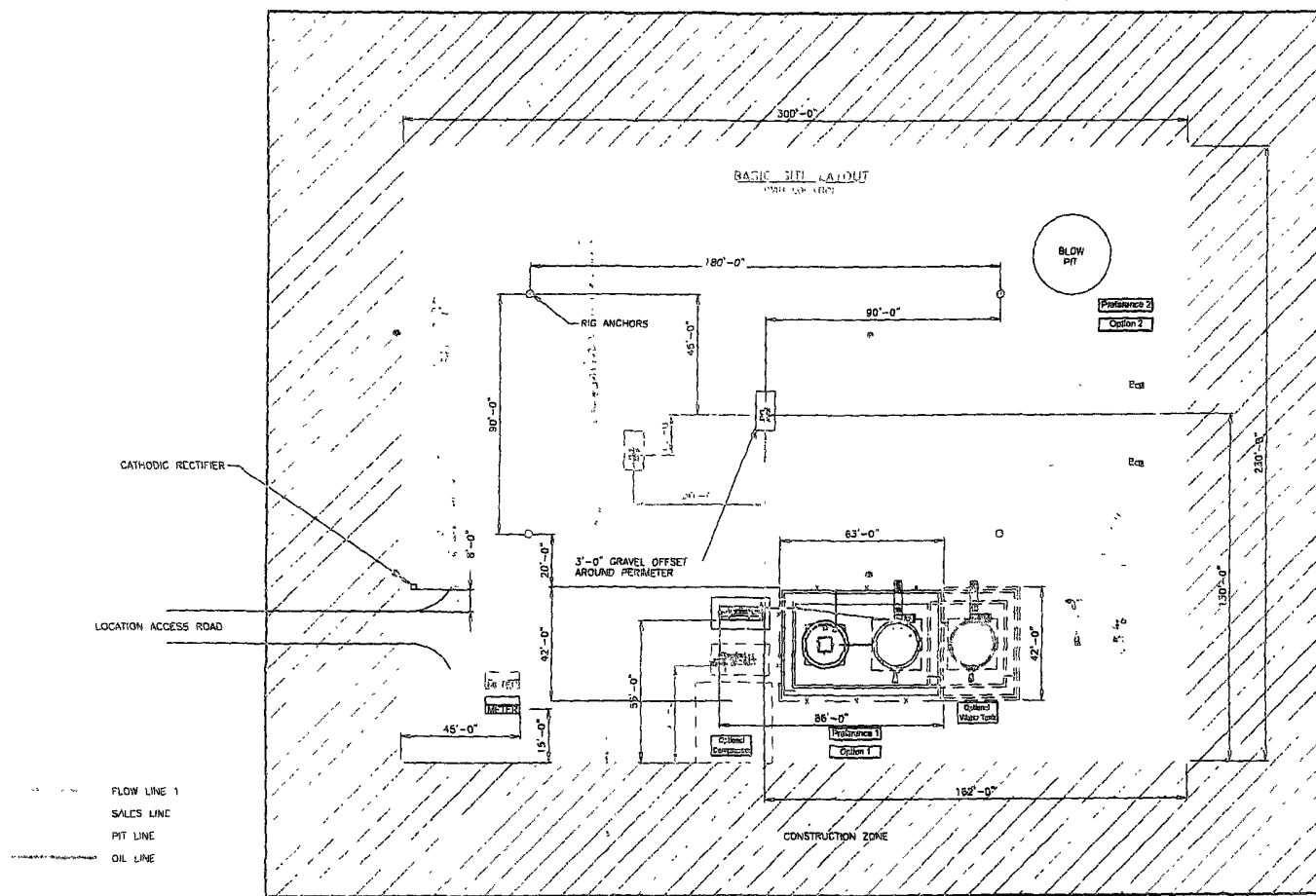
Comments: Location/Tops/Logging - FCNM029N011W09SE1 Twin either Lloyd A 2 (Chacra) or Federal 1 (DK), else prefer O,J,I,P.

Zones - FCNM029N011W09SE1

General/Work Description - PTRRC/Land - tri-city (2-3 yrs; DSM temp)

Well name changed from LLOYD A 91S to LLOYD A 100S to reflect Fruitland naming convention (T.Ruby 7/19/07)

Printed on: 3/18/2008 10:46:27 AM



SEE SHEET 1 & 2 FOR PILING DETAILS  
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS		CONOCO-PHILLIPS		
DESCRIPTION	DATE	BY	CHK'D	DES	OSC	PH	PROJECT	REVIEWED	DATE	NO.	DESCRIPTION	HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT		
												SAN JUAN BUSINESS UNIT		
												CLIENT No.		
												CLIENT ADDR		
												SCALE HERE		
												DRAWN BY		
												DATE		
												HP3PHASE-REV1		
												SHEET No.		
												1 OF 5		

\\nrc\apps\phillips\kirkham\regulatory\San Juan Business Unit Layout.dwg 06/28/2007 - 08:57pm

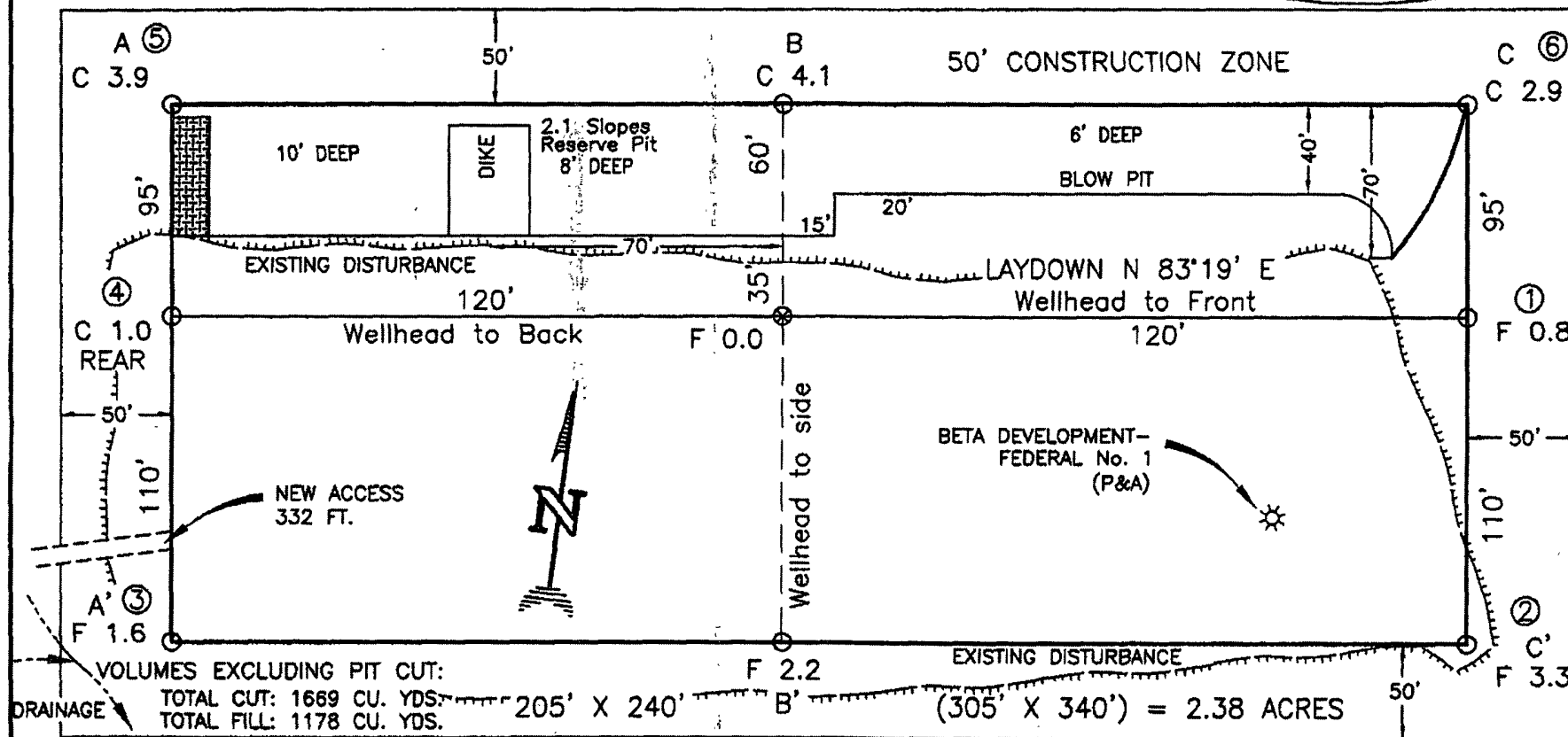
# BURLINGTON RESOURCES OIL & GAS COMPANY LP

LLOYD A No. 100S, 1535 FSL 1405 FEL

SECTION 9, T-29-N, R-11-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 5658, DATE: NOVEMBER 15, 2007

NAD 83  
LAT. = 36.73710° N.  
LONG. = 107.99283° W.  
NAD 27  
LAT. = 36°44.2257' N.  
LONG. = 107°59.5324' W.



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).

BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

## NOTE:


DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. UTILITY NOTIFICATION CENTER OF COLORADO TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

## NOTE:

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.

## NOTE:

ESTIMATED VOLUMES CALCULATED BY AVERAGE END AREA AT CROSS-SECTION SHOWN

REVISION	DATE	REVISION BY
 <b>Daggett Enterprises, Inc.</b> Surveying and Oil Field Services P. O. Box 510 Farmington, NM 87409 Phone (505) 326-1772 • Fax (505) 326-6019 NEW MEXICO L.S. 8894		
DRAWN BY: G.V.	CADFILE: BR703_PLB	
TOPIC: BR703	DATE: 12/07/07	



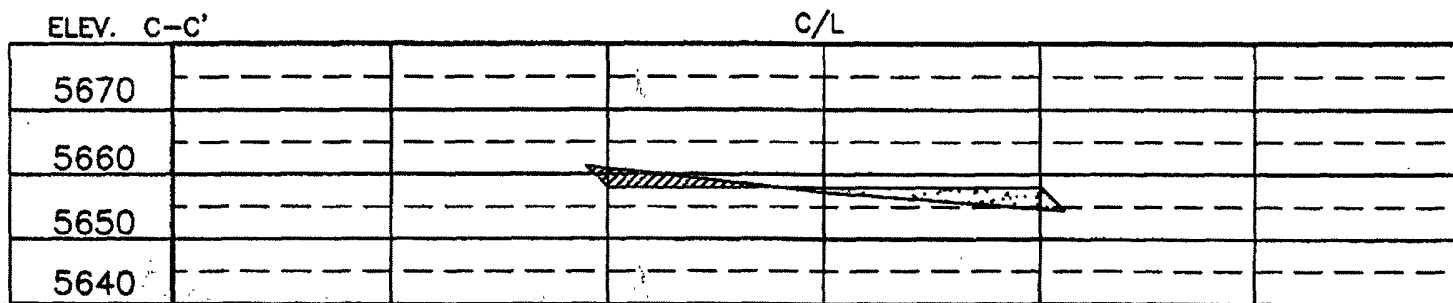
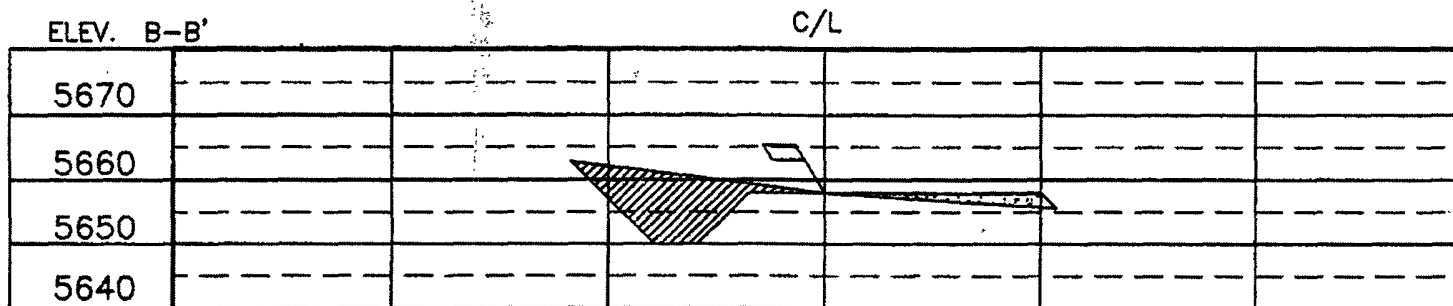
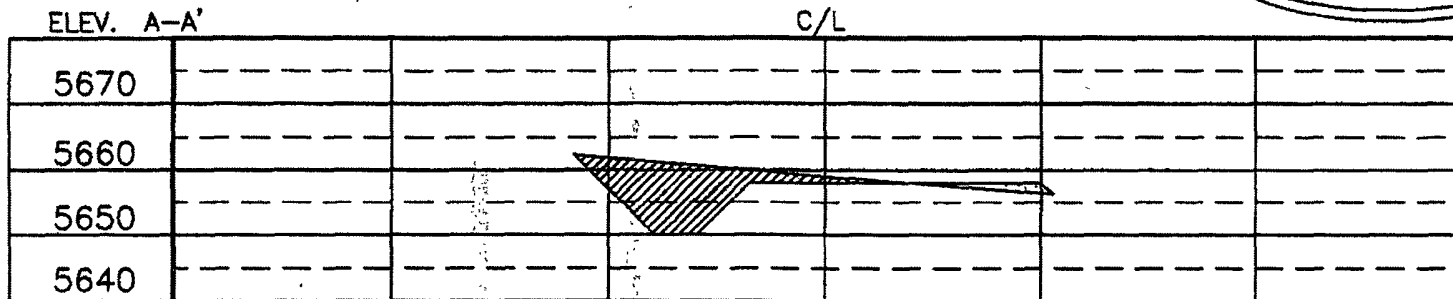
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REVISION	DATE	REVISION
 <b>Daggett Enterprises, Inc.</b> Surveying and Oil Field Services P. O. Box 510 Farmington, NM 87409 Phone (505) 326-1772 • Fax (505) 326-9019 NEW MEXICO L.S. 8894		
DRAWN BY: G.V.	CHECKED: BR703_CFB	
NOVA: BR703	DATE: 12/07/07	