

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

FEB 21 2008

1a. Type of Work DRILL		5. Lease Number SF-077652 Unit Reporting Number
1b. Type of Well GAS	Bureau of Land Management Farmington Field Office	6. If Indian, All. or Tribe RCVD MAR 12 '08
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP		7. Unit Agreement Name OIL CONS. DIV. DIST. 3
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Oliver 9. Well Number #100
4. Location of Well Surf: Unit P (SESE), 1050' FSL & 725' FEL Surf: Latitude 36.865799 N. Longitude 108.043341 W.		10. Field, Pool, Wildcat Fruitland Coal/Fruitland Sand 11. Sec., Twn, Rge, Mer. (NMPM) p Sec. 25, T31N, R12W API # 30-045-34602
14. Distance in Miles from Nearest Town 4 Miles/Aztec, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1050'		
16. Acres in Lease 2514.580	17. Acres Assigned to Well FC 320.00 (E/2) FS 160.00 (SE/2)	
18. Distance from Proposed Location to Nearest Well, Drtg, Compl, or Applied for on this Lease 51' from Oliver SRC 1M		
19. Proposed Depth 2604'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5969' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	<u>2/21/08</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY D. Mantey

TITLE AFM

DATE 3/14/08

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

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

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

FEB 21 2008

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

Bureau of Land Management
Field Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34602		² Pool Code 71629/77410	³ Pool Name Basin FRUITLAND COAL/FRUITLAND SAND
⁴ Property Code 7371	⁵ Property Name OLIVER		⁶ Well Number 100
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP		⁹ Elevation 5969'

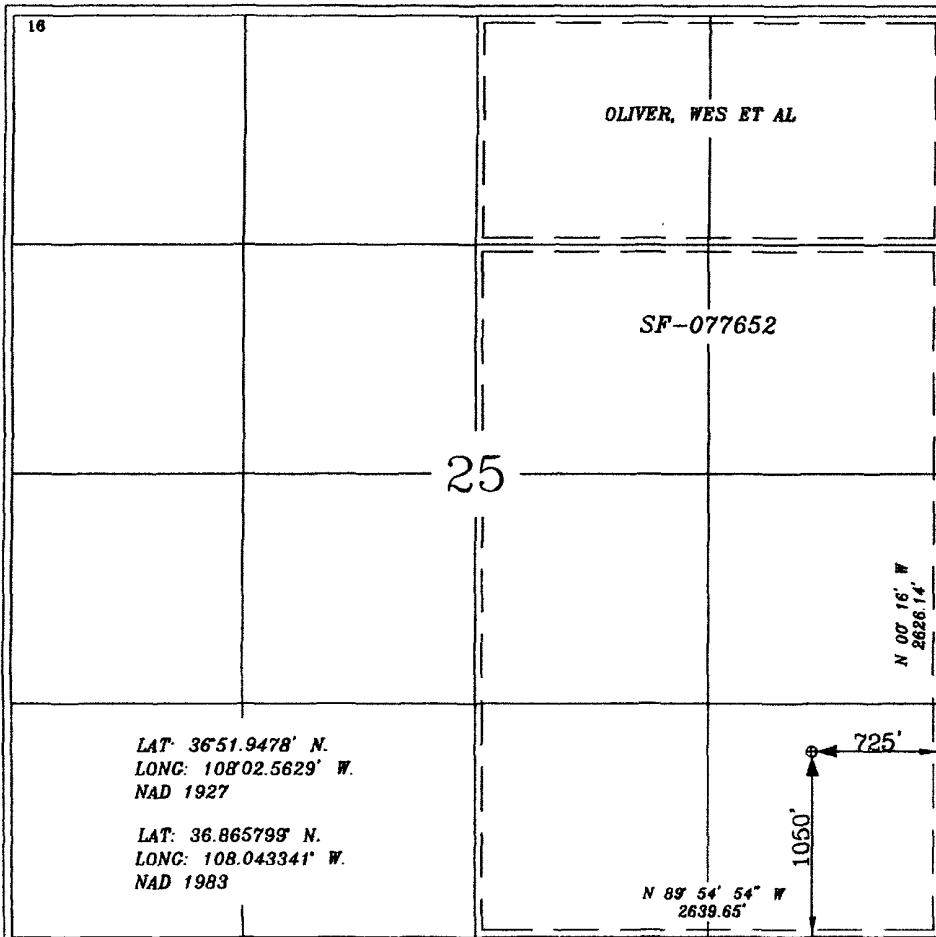
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	25	31-N	12-W		1050'	SOUTH	725'	EAST	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
P									
¹² Dedicated Acres FC 320.0 ACRE E 1/2 FS 160.0 ACRE SE 1/4			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



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 released 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Sasha Spangler
Signature
Sasha Spangler 11-29-07
Printed Name

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.

11-19-07
Date of Survey
Allen W. Russell
Signature
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR
Allen W. Russell
Certificate Number 15703

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. 30-045-34602

5. Indicate Type of Lease STATE [] FEE []

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name Oliver

8. Well Number #100

9. OGRID Number 14538

10. Pool name or Wildcat Basin Fruitland Coal/Fruitland Sand

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 [X] 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 P : 1050 feet from the South line and 725 feet from the East line Section 25 Township 31N Rng 12W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5969' 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 bbls; Construction Material

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK [] PLUG AND ABANDON [] TEMPORARILY ABANDON [] CHANGE PLANS [] PULL OR ALTER CASING [] MULTIPLE COMPL []

SUBSEQUENT REPORT OF:

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

OTHER: New Drill Pit [X] 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 [X] or an (attached) alternative OCD-approved plan [].

SIGNATURE Crystal Walker TITLE Regulatory Technician DATE 1/21/2008

Type or print name Crystal Walker E-mail address: tal.walker@conocophillips Telephone No. 505-326-9837

For State Use Only APPROVED BY Deputy Oil & Gas Inspector, District #3 TITLE DATE MAR 19 2008

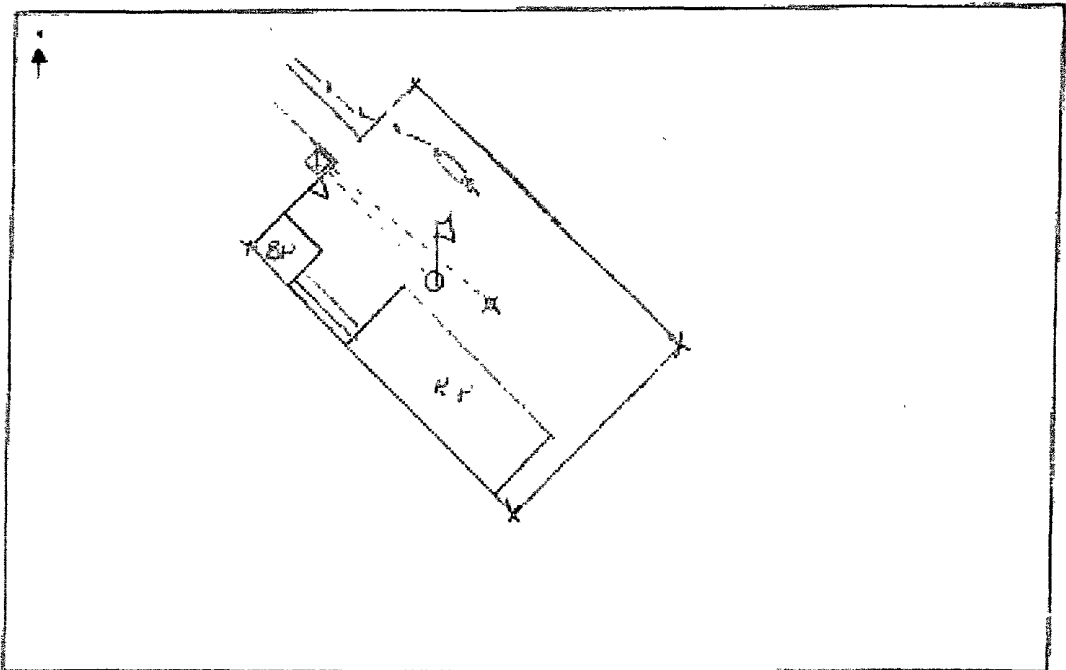
Conditions of Approval (if any):



CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME WELL #100 LEGALS P-25-31-12 COUNTY San Juan

PURPOSED C.P. SYSTEM: Drill 60' and set 3 well casing on NW corner of the building. Install one 100' of 1/2" gal. iron pipe well casing. Terminate 50' of 1/2" gal. iron pipe from 3rd. = 1/4" to side.



EXISTING WELL-PAD	WATER PUMP	T.P.	POWER SOURCE	CABLE	NEW WELL	SPREADER S.S.

COMMENTS: _____

NEAREST POWER SOURCE N/A DISTANCE: _____

PIPELINES IN AREA: 1/2" S. P.

TECHNICIAN: [Signature] DATE: 12/18/07

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

OLIVER 100

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7431			AFE \$:	
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
RCO087	FRUITLAND SAND(RCO087)
2035	FRUITLAND COAL

Location: Surface		Datum Code: NAD 27			Straight Hole	
Latitude: 36.865796	Longitude: -108.042716	X:	Y:	Section: 25	Range: 012W	
Footage X: 725 FEL	Footage Y: 1050 FSL	Elevation: 5969	(FT)	Township: 031N		
Tolerance:						

Location Type: Year Round	Start Date (Est.): 1/1/2008	Completion Date:	Date In Operation:
---------------------------	-----------------------------	------------------	--------------------

Formation Data: Assume KB = 5981 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	5861	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	800	5181	<input type="checkbox"/>			
KIRTLAND	843	5138	<input type="checkbox"/>			
FRUITLAND	1976	4005	<input type="checkbox"/>	200		Gas
FRUITLAND COAL	2132	3849	<input type="checkbox"/>			
PICTURED CLIFFS	2404	3577	<input type="checkbox"/>			Gas
Total Depth	2604	3377	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 400 cuft. Circulate cement to surface.

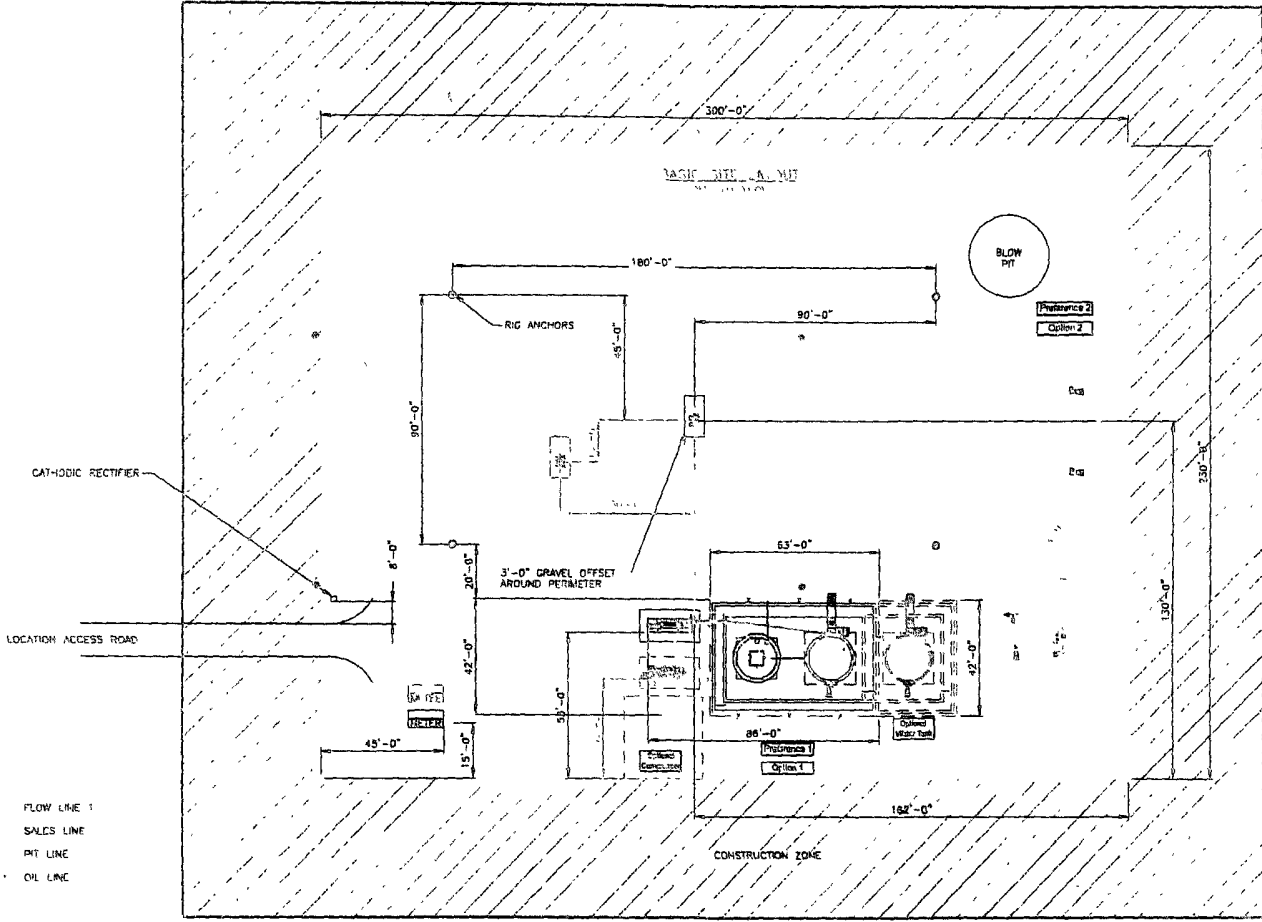
Reference Wells:		
Reference Type	Well Name	Comments

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



FLOW LINE 1
 SALES LINE
 PIT LINE
 OIL LINE

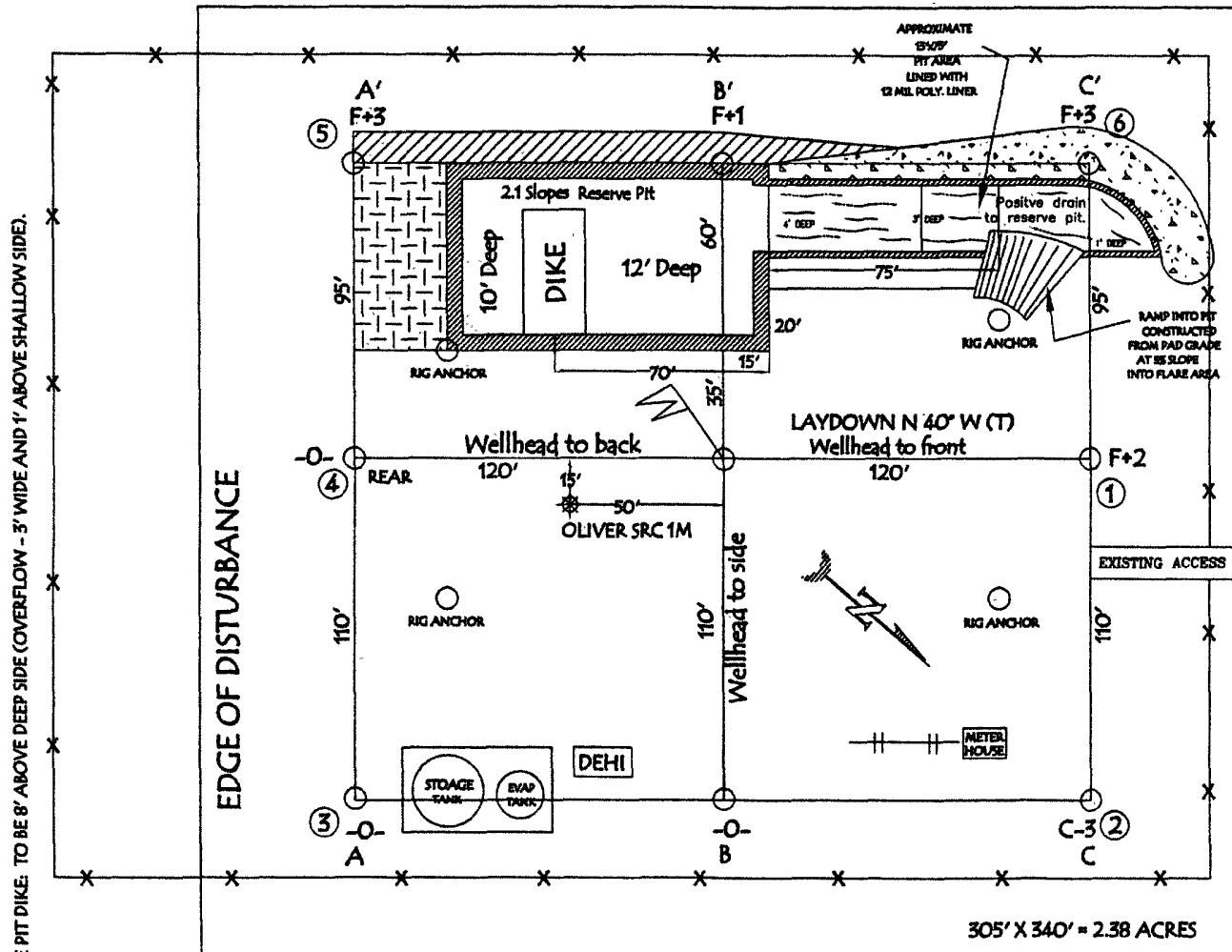
SEE SHEET 3 & 4 FOR PIPING DETAILS
 ALL UNDERGROUND PIPING TO BE BURIED & MBL OF 3'-0" MIN

SHEET 1 OF 5

CONOCO PHILLIPS																																																									
1500 PSI 3 PHASE FACILITY DIAGRAM - SITE LAYOUT																																																									
SAN JUAN BUSINESS UNIT																																																									
<table border="1"> <thead> <tr> <th colspan="2">ENGINEERING REVIEW</th> <th colspan="2">REFERENCE DRAWINGS</th> </tr> <tr> <th>DESCRIPTION</th> <th>APPROVED</th> <th>NO.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>MECHANICAL</td> <td></td> <td></td> <td></td> </tr> <tr> <td>PIPELINE</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ELECTRICAL</td> <td></td> <td></td> <td></td> </tr> <tr> <td>I & C</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CIVIL/STRUCTURAL</td> <td></td> <td></td> <td></td> </tr> <tr> <td>PROJECT</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					ENGINEERING REVIEW		REFERENCE DRAWINGS		DESCRIPTION	APPROVED	NO.	DESCRIPTION	MECHANICAL				PIPELINE				ELECTRICAL				I & C				CIVIL/STRUCTURAL				PROJECT				<table border="1"> <tr> <td>CLIENT NO.</td> <td>CLIENT ADDR.</td> <td>APPRO. DATE</td> </tr> <tr> <td>000000 5</td> <td>11P3PHASE-REV1</td> <td>08/27/99</td> </tr> </table>		CLIENT NO.	CLIENT ADDR.	APPRO. DATE	000000 5	11P3PHASE-REV1	08/27/99	<table border="1"> <tr> <td>DATE</td> <td>BY</td> <td>CHKD</td> <td>ENGR</td> <td>DATE</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			DATE	BY	CHKD	ENGR	DATE					
ENGINEERING REVIEW		REFERENCE DRAWINGS																																																							
DESCRIPTION	APPROVED	NO.	DESCRIPTION																																																						
MECHANICAL																																																									
PIPELINE																																																									
ELECTRICAL																																																									
I & C																																																									
CIVIL/STRUCTURAL																																																									
PROJECT																																																									
CLIENT NO.	CLIENT ADDR.	APPRO. DATE																																																							
000000 5	11P3PHASE-REV1	08/27/99																																																							
DATE	BY	CHKD	ENGR	DATE																																																					
<table border="1"> <tr> <td>DESCRIPTION</td> <td>DATE</td> <td>BY</td> <td>CHKD</td> <td>ENGR</td> <td>DATE</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										DESCRIPTION	DATE	BY	CHKD	ENGR	DATE																																										
DESCRIPTION	DATE	BY	CHKD	ENGR	DATE																																																				

Project: 11P3PHASE-REV1 Location: 11P3 Layout.dwg 08/27/99 08:38:00

BURLINGTON RESOURCES OIL & GAS COMPANY LP
OLIVER 100, 1050' FSL & 725' FEL
SECTION 25, T-31- N, R-12-W, NMPM, SAN JUAN COUNTY, NM
GROUND ELEVATION: 5969', DATE: NOVEMBER 6, 2007



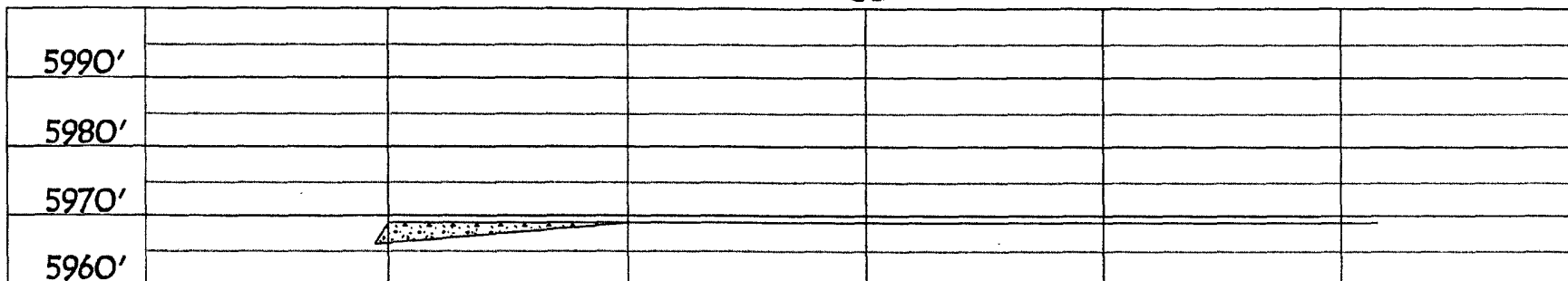
LATITUDE: 36° 51.9478' N
 LONGITUDE: 108° 02.5629' W
 NAD27

NOTE: VECTOR 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.

BURLINGTON RESOURCES OIL & GAS COMPANY LP
 OLIVER 100, 1050' FSL & 725' FEL
 SECTION 25, T-31-N, R-12-W, NMPM, SAN JUAN COUNTY, NM
 GROUND ELEVATION: 5969', DATE: NOVEMBER 6, 2007

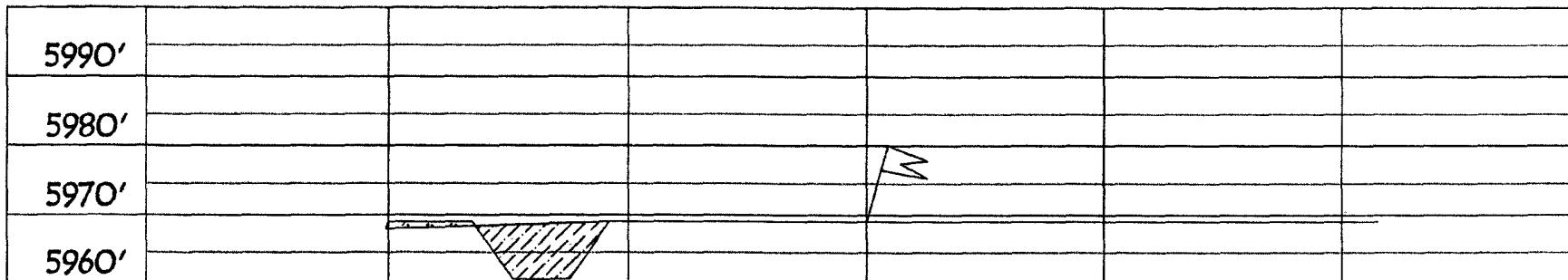
ELEV. A'-A

C/L



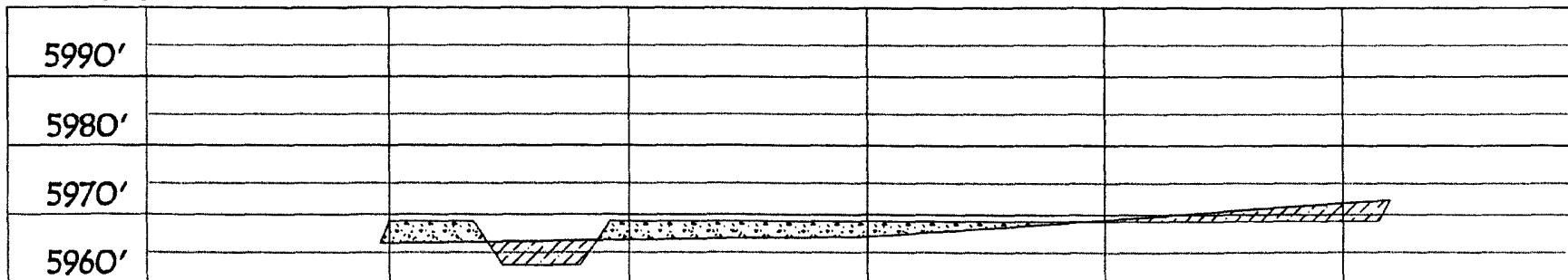
ELEV. B'-B

C/L



ELEV. C'-C

C/L



NOTE: VECTOR 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.