

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	<b>RECEIVED</b> OCT 26 2007 Bureau of Land Management Farmington Field Office	5. Lease Number SF-078622 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 Luthy	9. Well Number #3S
4. Location of Well Unit B (NW/NE), 615' FNL & 2010' FEL  SURF: Latitude 36.50637 N Longitude 107.63254	10. Field, Pool, Wildcat Basin FC/Bullard PE. P.	11. Sec., Twn, Rge, Mer. (NMPM) B Sec. 12, T26N, R8W  API # 30-045-34485
14. Distance in Miles from Nearest Town 22 miles from Blanco	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 610'	17. Acres Assigned to Well FC-320 (E/2) - PC 160 NE/4	
16. Acres in Lease 2241.920	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 100' Lively #20E DK	
19. Proposed Depth 2357'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6157' GL	22. Approx. Date Work will Start PLA'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	10-26-07	
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	Date	

PERMIT NO.	APPROVAL DATE
APPROVED BY <u>[Signature]</u>	TITLE <u>Acting AFM</u> DATE <u>11/6/07</u>

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.

**NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT**

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

HOLD 0104 FOR NSL  
NMOCD NOV 13 2007  
86 AV

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

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

RECEIVED

OCT 26 2007  AMENDED REPORT

Bureau of Land Management  
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION

*APT Number 30-045-34485	*Pool Code 71629 11439	*Pool Name BASIN FRUITLAND COAL <i>Baldwin</i> PICTURED CLIFFS
*Property Code 7275	*Property Name LUTHY	*Well Number 3S
*GRID No. 1453B	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP	*Elevation 6157'

10 Surface Location

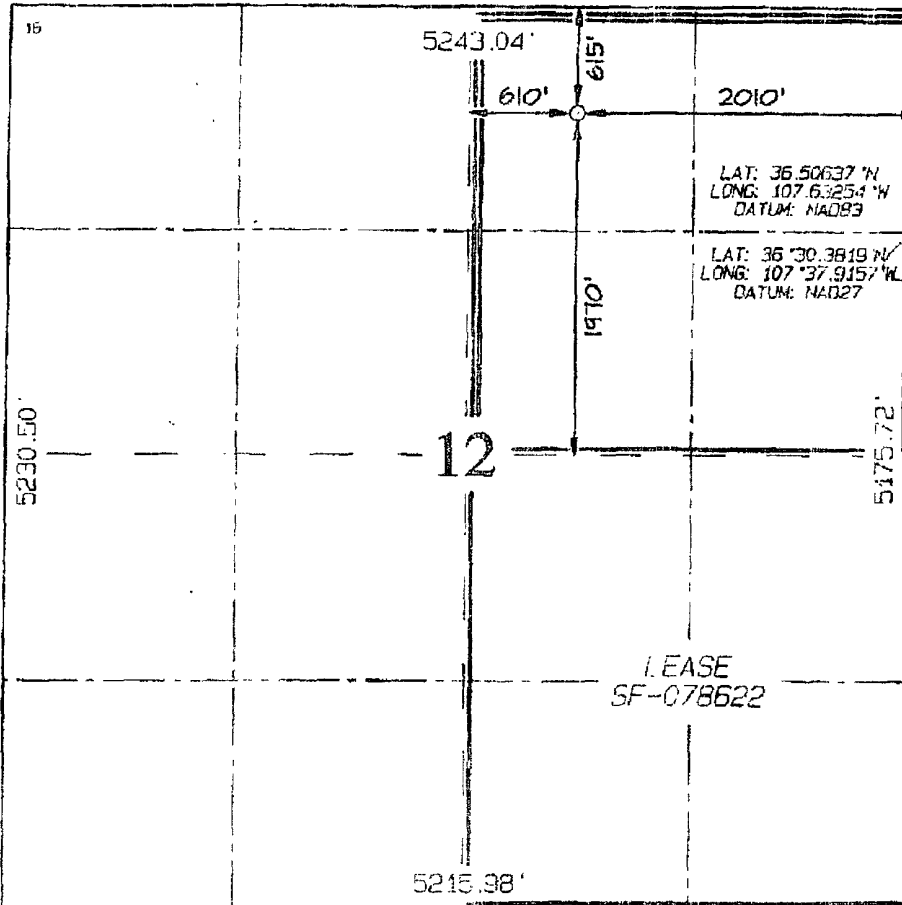
U. or lot no.	Section	Township	Range	Lot Idh	Feet from the	North/South line	Feet from the	East/West line	County
B	12	25N	8W		615	NORTH	2010	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

U. or lot no.	Section	Township	Range	Lot Idh	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 320.0 Acres - E/2 (FC) 160.0 Acres - NE/4 (PC)	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WELL 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 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.

*Rhonda Rogers* 9-11-07  
Signature Date  
Rhonda Rogers  
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.

Date of Survey: JULY 29, 2007  
Signature and Seal of Professional Surveyor

JASON C. EDWARDS  
Certificate Number 15269

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- <b>34485</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. Federal Lease SF-078622
7. Lease Name or Unit Agreement Name Luthy
8. Well Number #3S
9. OGRID Number 14538
10. Pool name or Wildcat Basin FC/ Blanco PC

**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 B : 615' feet from the North line and 2010' feet from the East line  
 Section 12 Township 26N Rng 8W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
 6157' 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 >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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL. <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: <u>New Drill Pit</u> <input checked="" type="checkbox"/>		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 Sasha Spangler TITLE Regulatory Technician DATE 10/26/2007

Type or print name Sasha Spangler E-mail address: sangs@conocophillips.com Telephone No. 505-326-9568  
**For State Use Only**

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE NOV 13 2007  
 Conditions of Approval (if any): \_\_\_\_\_



BLANCO GATHERING SYSTEM

DWG. NO. BLK004-020-01

LINE CONOCOPHILLIPS CO.- LUTHY NO. 3S

WO NO.

FROM 0+00 = 0+41.18 (AF. EQ.) ON LIVELY EXPLORATION CO.- LIVELY No. 20E  
(BLK004-014-01, R/W NO. 8071311)(MC NO. 94067)

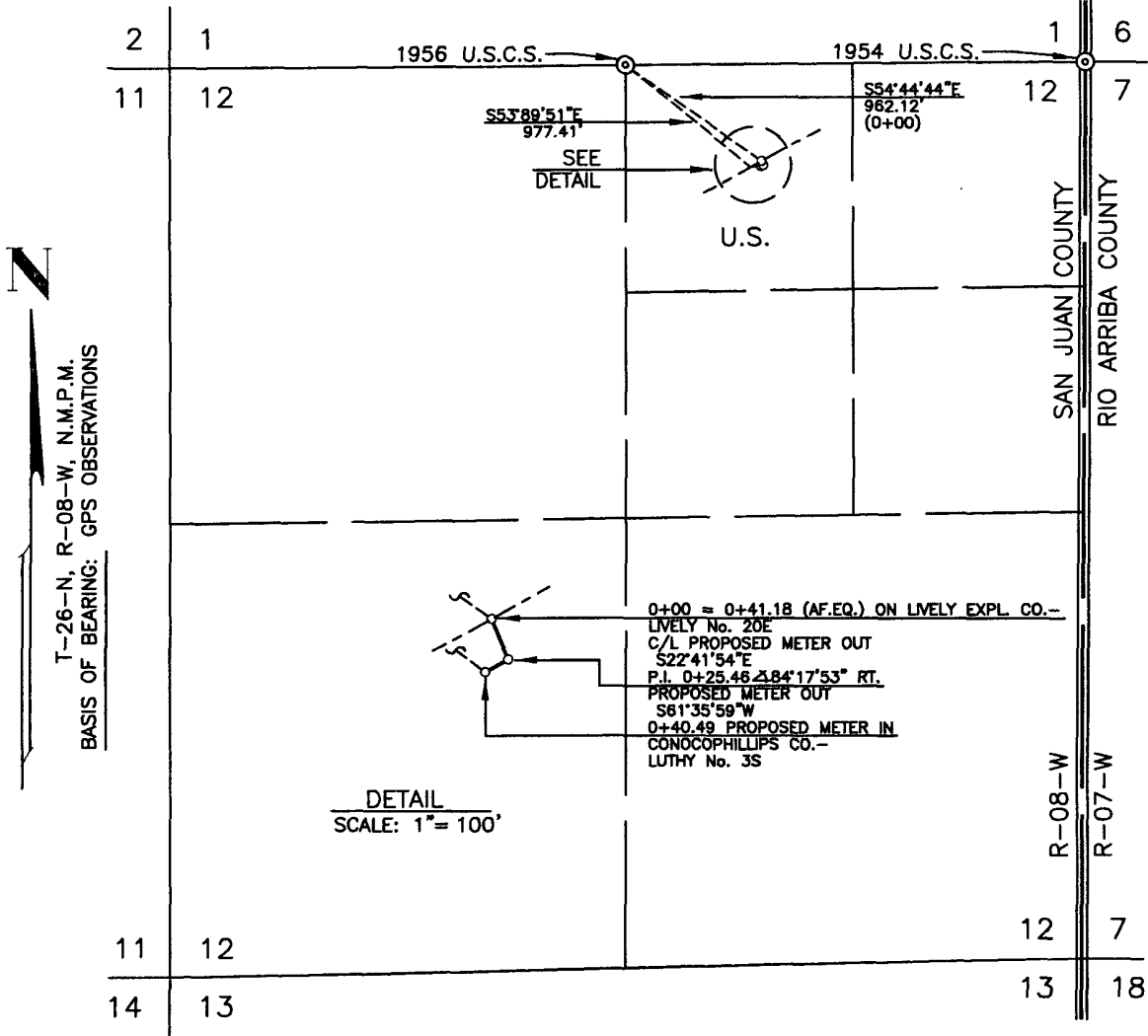
RW NO. 0770270

DATE 09/21/07

SCALE 1" = 1000'

SURVEYED 09/12/07

COUNTY SAN JUAN STATE NEW MEXICO SECTION 12 TOWNSHIP 26-N RANGE 08-W, N.M.P.M.



DWN. BY DB CONSTR. COMMENCED \_\_\_\_\_ APPL. DWG. \_\_\_\_\_ SLACK CHAIN \_\_\_\_\_  
 CKD. BY MD CONSTR. COMPLETED \_\_\_\_\_ DATE \_\_\_\_\_ PIPE SIZE 4.50" O.D.

PRINT RECORD		PIPE DATA	METER STA. NO.	FC/PC
7	SJ DISTRIB	09/24/07		

NOTE: WELL FLAG  
 REROUTE METER FOR LIVELY No. 20E  
 PROPOSED PARALLEL METER SET  
 LOCATION NOT BILT

SUBDIVISION	OWNER	LESSEE	METER(S)	RODS	ACRE(S)
PART NE/4 SEC. 12	UNITED STATES	JOE N. KAIME, TRUST		2.454	0.037

BLK004-020-01 FM24 (Rev. 1/99)

REV.	OWNERSHIP

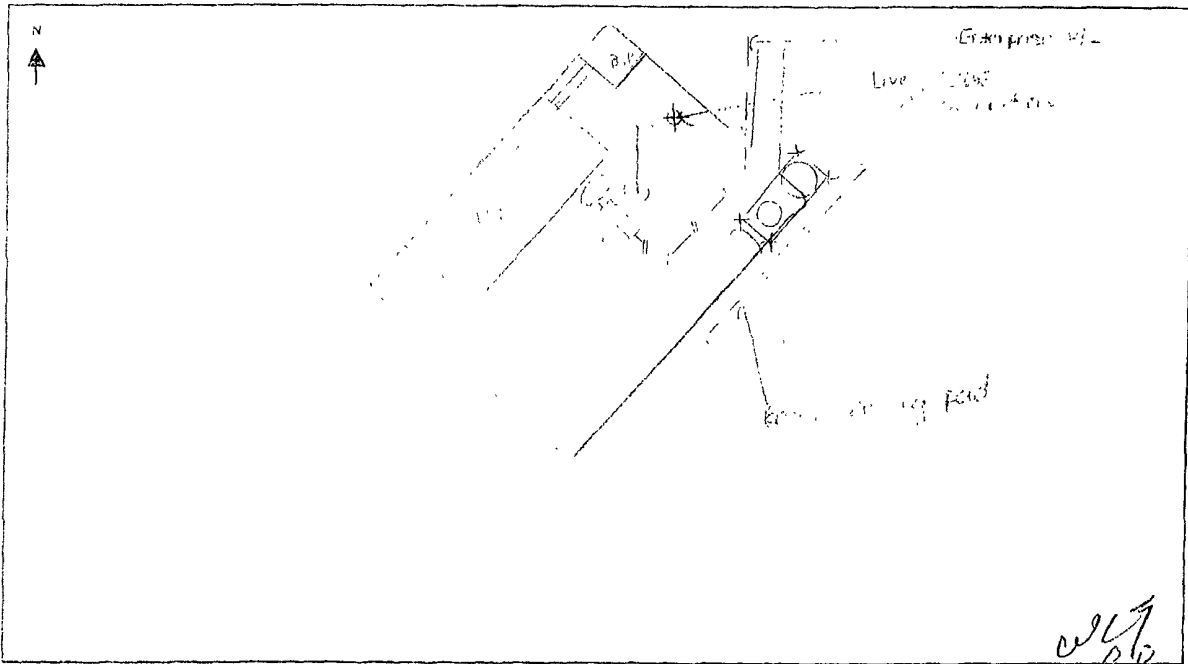


*Handwritten text, possibly a company name or address, partially obscured.*

**CATHODIC PROTECTION PLAN FOR NEW WELLS**

WELL NAME Lathy #35 LEGALS B-12-16-0 COUNTY San Juan

PURPOSED C.P. SYSYTEM: Set anodes and GB in locations. Trench #6 in from proposed well to solve. Tie in live cable as constructed. Set anode equip in location in well.



*Handwritten signature or initials.*

EXISTING WELLHEAD	METER HOUSE	GB	POWER SOURCE	CABLE	NEW WELL	OVERHEAD A C

COMMENTS: \_\_\_\_\_

NEAREST POWER SOURCE 100' DISTANCE: \_\_\_\_\_

PIPELINES IN AREA: Existing well

TECHNICIAN: [Signature] DATE: 10/15/01

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LUTHY 3S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7257		AFE \$:	
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:		Phone:		Proj. Field Lead:	
				Phone:	

**Primary Objective (Zones):**

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)
UPL	BLANCO PICTURED CLIFFS

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.506360	Longitude: -107.631931	X:	Y:	Section: 12	Range: 008W
Footage X: 2010 FEL	Footage Y: 615 FNL	Elevation: 6157	(FT)	Township: 026N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2008	Completion Date:	Date In Operation:
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6049	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	1297	4872	<input type="checkbox"/>			
KIRTLAND	1504	4665	<input type="checkbox"/>			
FRUITLAND	1887	4282	<input type="checkbox"/>	300		Gas
PICTURED CLIFFS	2157	4012	<input type="checkbox"/>			Gas
Total Depth	2357	3812	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 365 cuft. Circulate cement to surface.

Reference Type	Well Name	Comments
Reference Wells:		

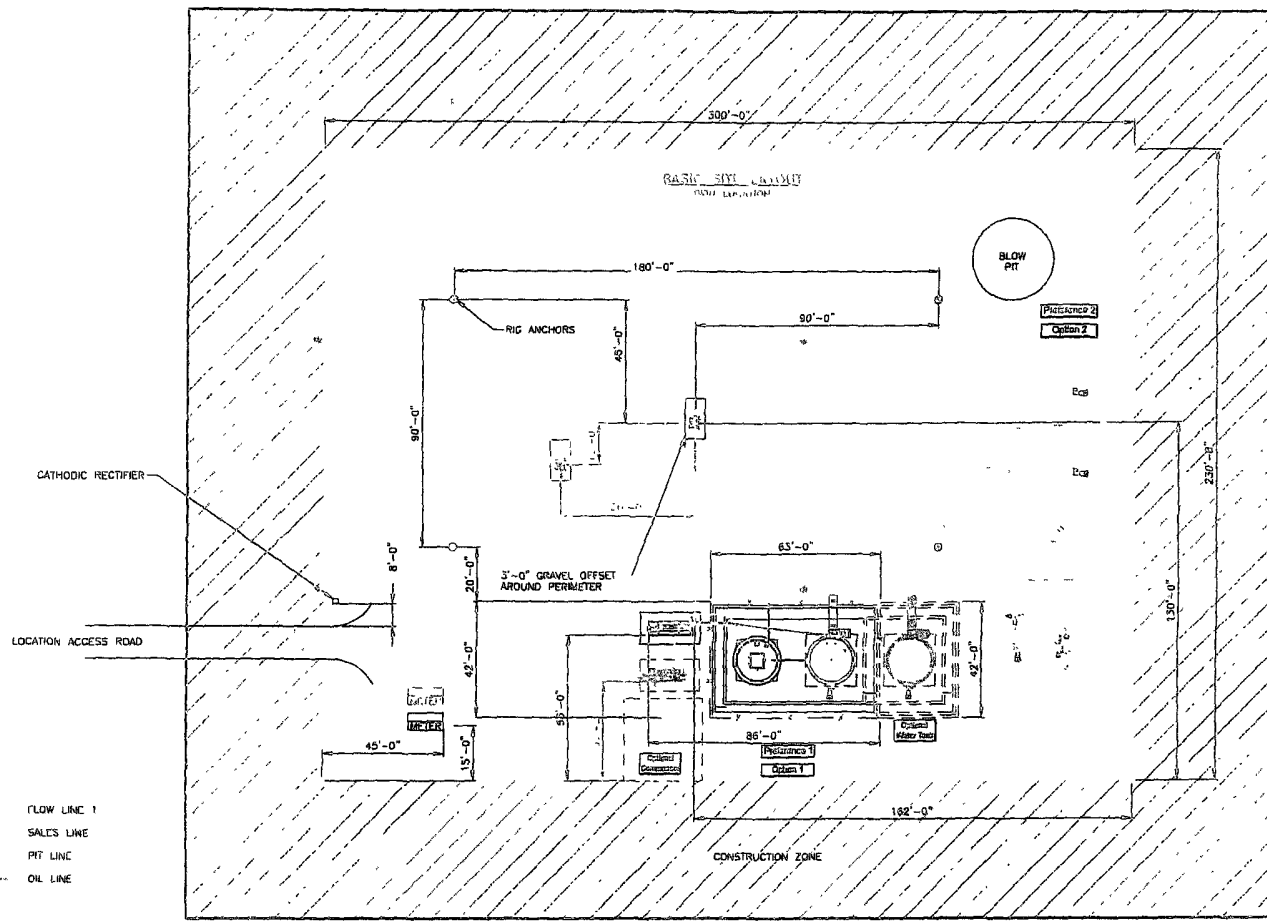
<b>Logging Program:</b>		
Intermediate Logs:	<input type="checkbox"/> Log only if show	<input type="checkbox"/> GR/ILD
	<input type="checkbox"/> Triple Combo	

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: Location/Tops/Logging - FCNM026N008W12NE1 PCNM026N008W12NE1 Twin Lively 20E (DK), else prefer B,A,G,H, no other well, topo will be an issue if not twinned.

Zones - FCNM026N008W12NE1 PCNM026N008W12NE1



CATHODIC RECTIFIER

LOCATION ACCESS ROAD

FLOW LINE 1  
SALES LINE  
PIT LINE  
OIL LINE

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

SHEET 1 OF 5

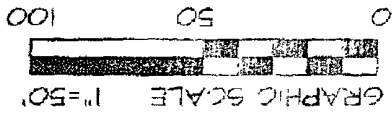
CONCRETE/IRIG REVIEW										REFERENCE DRAWINGS			 HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT					
NO.	DESCRIPTION	DATE	BY	CHK'D	ENG	DISC	PRJ	DESIGNED	REVIEWED	DATE	NO.		DESCRIPTION	DRAWING NO.	CLEAR APPR.	DATE	DATE	SHEET NO.
																		1 OF 5

SAN JUAN BUSINESS UNIT

DRAFT NO. \_\_\_\_\_  
 DESIGNED BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_  
 DATE \_\_\_\_\_  
 PROJECT HP3PHASE-REV1

Source: \\na01\corporate\regulatory\San Juan Location Site Layout.dwg, 06/28/2007 - 10:39pm

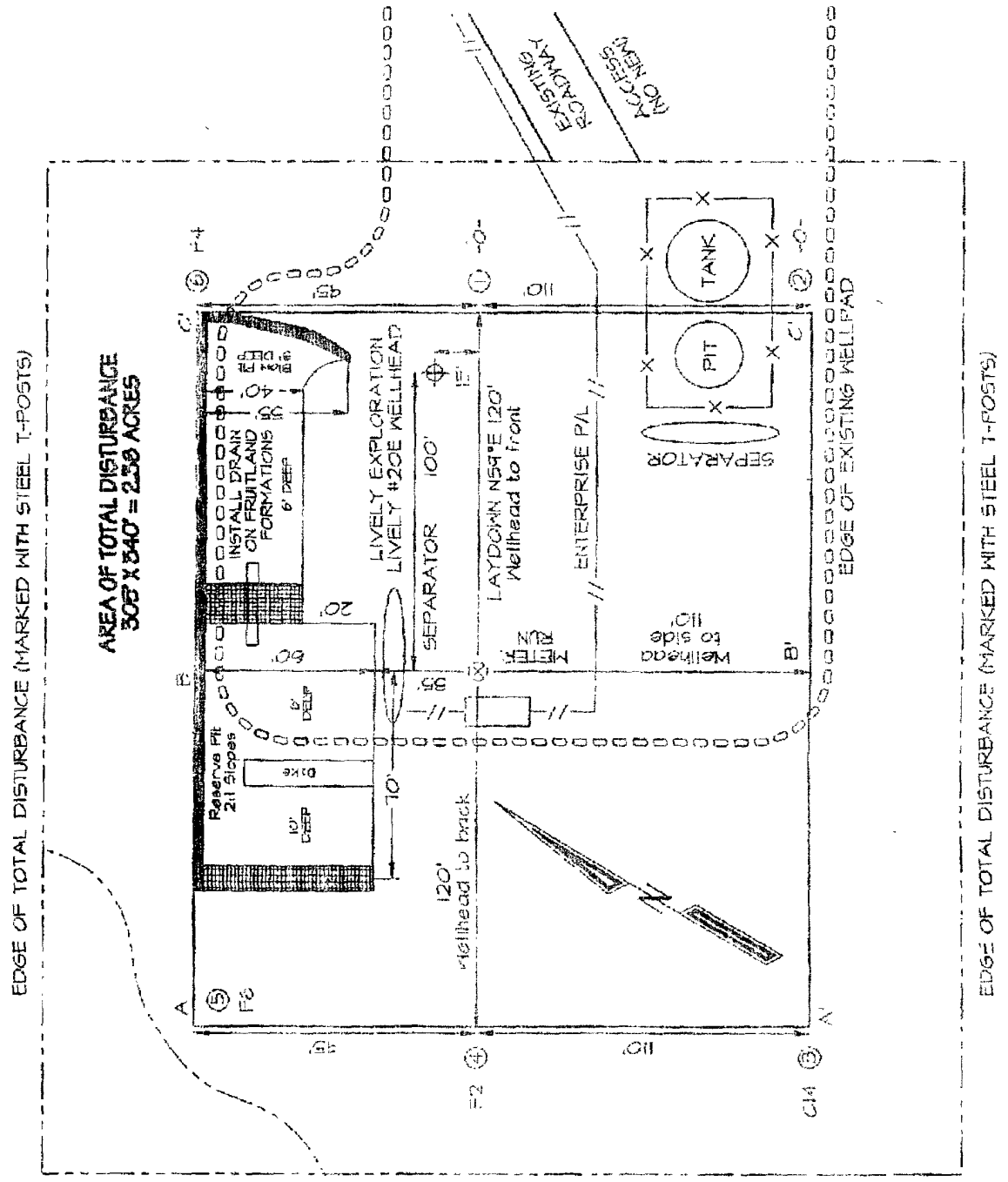
**BURLINGTON RESOURCES OIL & GAS COMPANY LUTHY #33  
 615' FNL & 2010' FEL, SECTION 12, T26N, R8W, NMPM  
 SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6157**



LATITUDE: 36°05.817N  
 LONGITUDE: 107°37.917W  
 DATUM: NAD1983

~ SURFACE OWNER ~  
 Bureau of Land Management

NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.  
 CONTRACTOR SHOULD ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND  
 UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

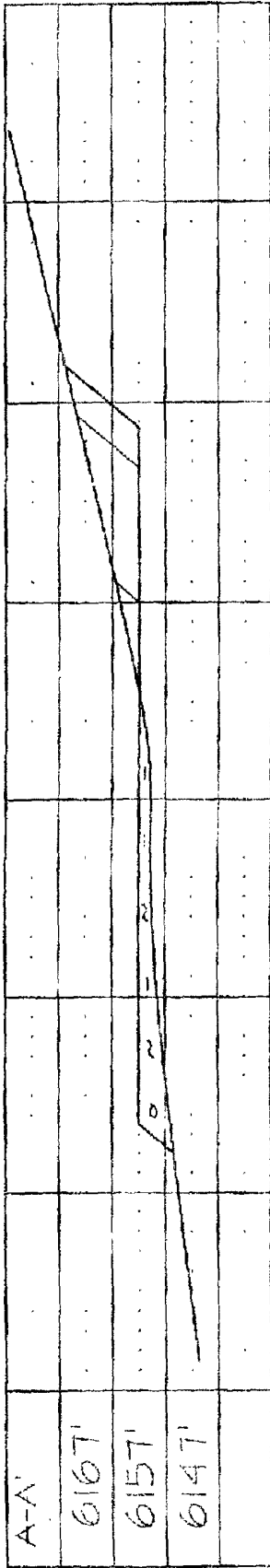




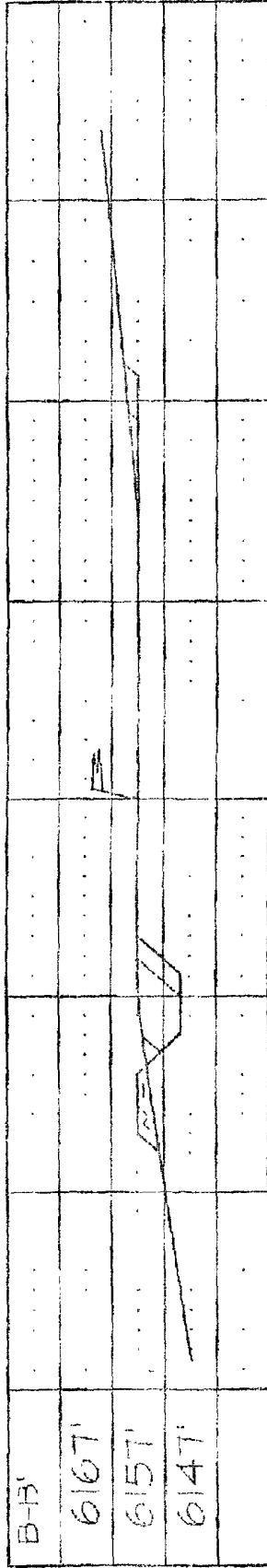
**BURLINGTON RESOURCES OIL & GAS COMPANY LUTHY #36**  
**615' FNL & 2010' FEL, SECTION 12, T26N, R8W, N14PM**  
**SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6157**

HORIZONTAL SCALE 1"=40'

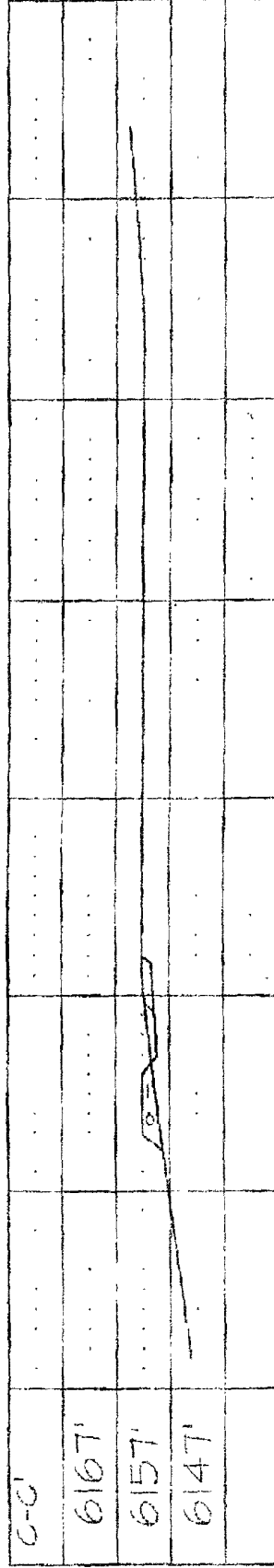
VERTICAL SCALE 1"=30'



C/L



C/L



NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.  
 CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND  
 UTILITIES OR PIPELINES ON WELLFAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.