

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD FEB 27 '08
OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED JAN 30 2008 Bureau of Land Management Farmington Field Office	5. Lease Number NM-078384 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 Newsom B 9. Well Number #8N
4. Location of Well Unit O (SWSE), 1170' FSL & 1940' FEL, Latitude 36.51260'N Longitude 107.72096'W	10. Field, Pool, Wildcat Basin Dakota / Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 6, T26N, R8W API # 30-045-34584	
14. Distance in Miles from Nearest Town 38 miles from Bloomfield, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1170'		
16. Acres in Lease 2560.00	17. Acres Assigned to Well DK / MV 320.57 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 660' from Dugan Starr #1		
19. Proposed Depth 6578'	This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6135' GL		22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Patsy Clugston</u> Patsy Clugston, Regulatory Specialist		<u>1/30/08</u> Date

PERMIT NO.

APPROVAL DATE

APPROVED BY Wayne Leonard

TITLE Acting AFM

DATE 2-22-08

Archaeological Report previously submitted
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 4 Bond Numbers NMB-000015 and NMB-000089

FEB 27 2008

NMOCD



H₂S POTENTIAL EXIST

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
JAN 30 2008

Bureau of Land Management
Farmington Field Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34584		*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 7363	*Property Name NEWSOM B		*Well Number 8N
*OGRID No 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 6135'

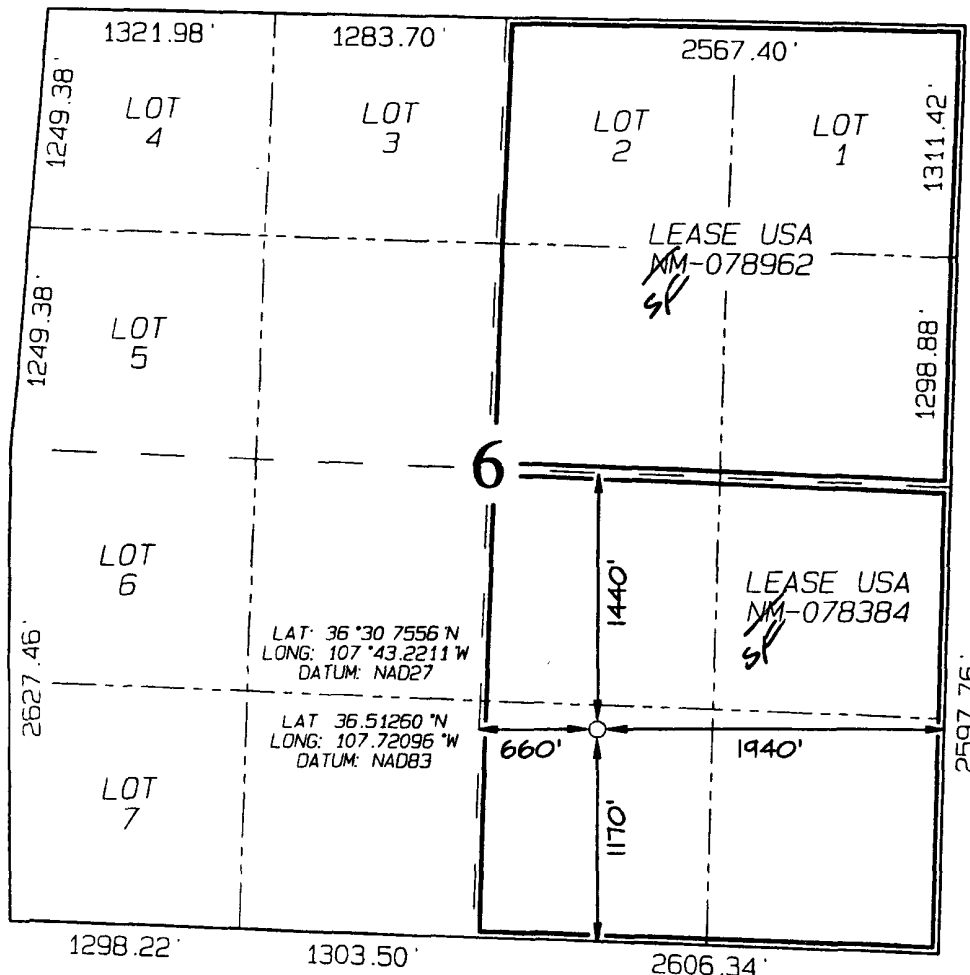
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	6	26N	8W		1170	SOUTH	1940	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
0									
12 Dedicated Acres		320.57 Acres - E/2 (MV)			13 Joint or Infill		14 Consolidation Code		15 Order No.
		320.57 Acres - E/2 (DK)							

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 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

Patsy Clugston 1/30/08
Signature Date
Patsy Clugston
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.

Survey Date: OCTOBER 11, 2007

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

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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- 34584
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	NM-078384
7. Lease Name or Unit Agreement Name	Newsom B
8. Well Number	#8N
9. OGRID Number	14538
10. Pool name or Wildcat	Basin DK/Blanco MV

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 O : 1170' feet from the South line and 1940' feet from the East line
Section 6 Township 26N Rng 8W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6135'

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type New Drill Depth to Groundwater <50 Distance from nearest fresh water well <1000 Distance from nearest surface water <1000

Pit Liner Thickness: N/A 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 ☒

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 NMOCDD 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 NMOCDD 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 NMOCDD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Sasha Spangler TITLE Regulatory Technician DATE 1/3/2008

Type or print name Sasha Spangler E-mail address: spangs@conocophillips.com Telephone No. 505-326-9568

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, DATE FEB 27 2008
Conditions of Approval (if any): District #3

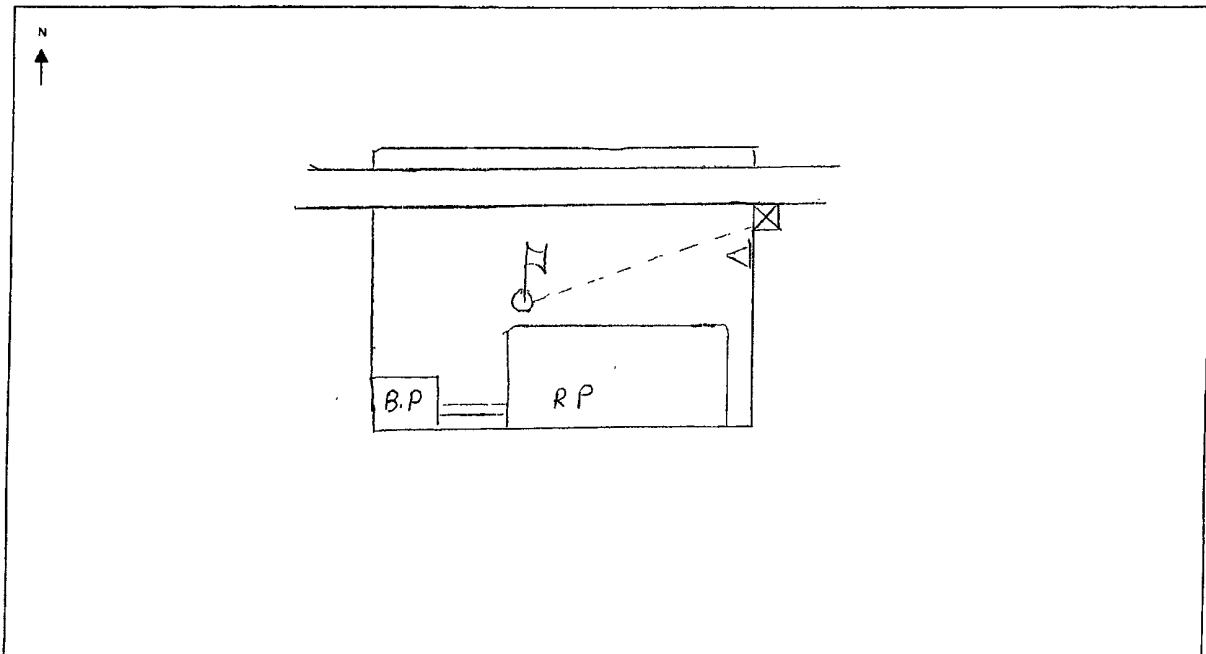


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Newsom B #2R LEGALS 0-6-26-8 COUNTY San Juan

PURPOSED C.P. SYSTE~~M~~M: Drill GB and set solar on NE edge of location Trench
approx 200' of #8 neg from proposed well to the solar.



EXISTING WELLHEAD	METER HOUSE	G.B.	POWER SOURCE	CABLE	NEW WELL	OVERHEAD A C

COMMENTS: _____

NEAREST POWER SOURCE N/A DISTANCE: _____

PIPELINES IN AREA: N/A

TECHNICIAN: Michael H. Jones DATE: 9/17/07

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

Reviewed w/ Randy Smith
on 9/24/07

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NEWSOM B 8N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7278		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Bearcat Rig 4		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
R20002	MESAVERDE(R20002)				
Location: Surface Datum Code: NAD 27					
Latitude: 36.512591	Longitude: -107.720348	X:	Y:	Section: 06	Range: 008W
Footage X: 1940 FEL	Footage Y: 1170 FSL	Elevation: 6135 (FT)	Township: 026N		
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6147 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	320	5827	<input type="checkbox"/>		
					320' 8 5/8" 24 ppf, J-55, STC casing. Cement with 312 cuft. Circulate cement to surface.
OJO ALAMO	1125	5022	<input type="checkbox"/>		
KIRTLAND	1252	4895	<input type="checkbox"/>		
FRUITLAND	1702	4445	<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	1915	4232	<input type="checkbox"/>		
LEWIS	2032	4115	<input type="checkbox"/>		
HUERFANITO BENTONITE	2372	3775	<input type="checkbox"/>		
CHACRA	2802	3345	<input type="checkbox"/>		
MASSIVE CLIFF HOUSE	3464	2683	<input type="checkbox"/>	670	
MENEFEE	3542	2605	<input type="checkbox"/>		
MASSIVE POINT LOOKOUT	4215	1932	<input type="checkbox"/>		GAS
MANCOS	4517	1630	<input type="checkbox"/>		
UPPER GALLUP	5367	780	<input type="checkbox"/>		
GREENHORN	6208	-61	<input type="checkbox"/>		
GRANEROS	6257	-110	<input type="checkbox"/>		
TWO WELLS	6295	-148	<input type="checkbox"/>	1930	Gas
PAGUATE	6367	-220	<input type="checkbox"/>		
CUBERO	6429	-282	<input type="checkbox"/>		
ENCINAL	6500	-353	<input type="checkbox"/>		
TOTAL DEPTH DK	6578	-431	<input checked="" type="checkbox"/>		
					TD 40' below T/MRSN. 6-1/4" Hole. 4-1/2", 11.6 ppf, N-80 LTC casing. Cement with 1931 cuft. Circulate cement to surface
Reference Wells:					
Reference Type	Well Name		Comments		

PROJECT PROPOSAL - New Drill / Sidetrack

NEWSOM B 8N

DEVELOPMENT

Logging Program:

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

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

Est bottom perf ~15' above TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - DKNM026N008W06SE2 MVNM026N008W06SE2 Avoid P and J, do not twin, prefer O, I.

Zones - DKNM026N008W06SE2 MVNM026N008W06SE2

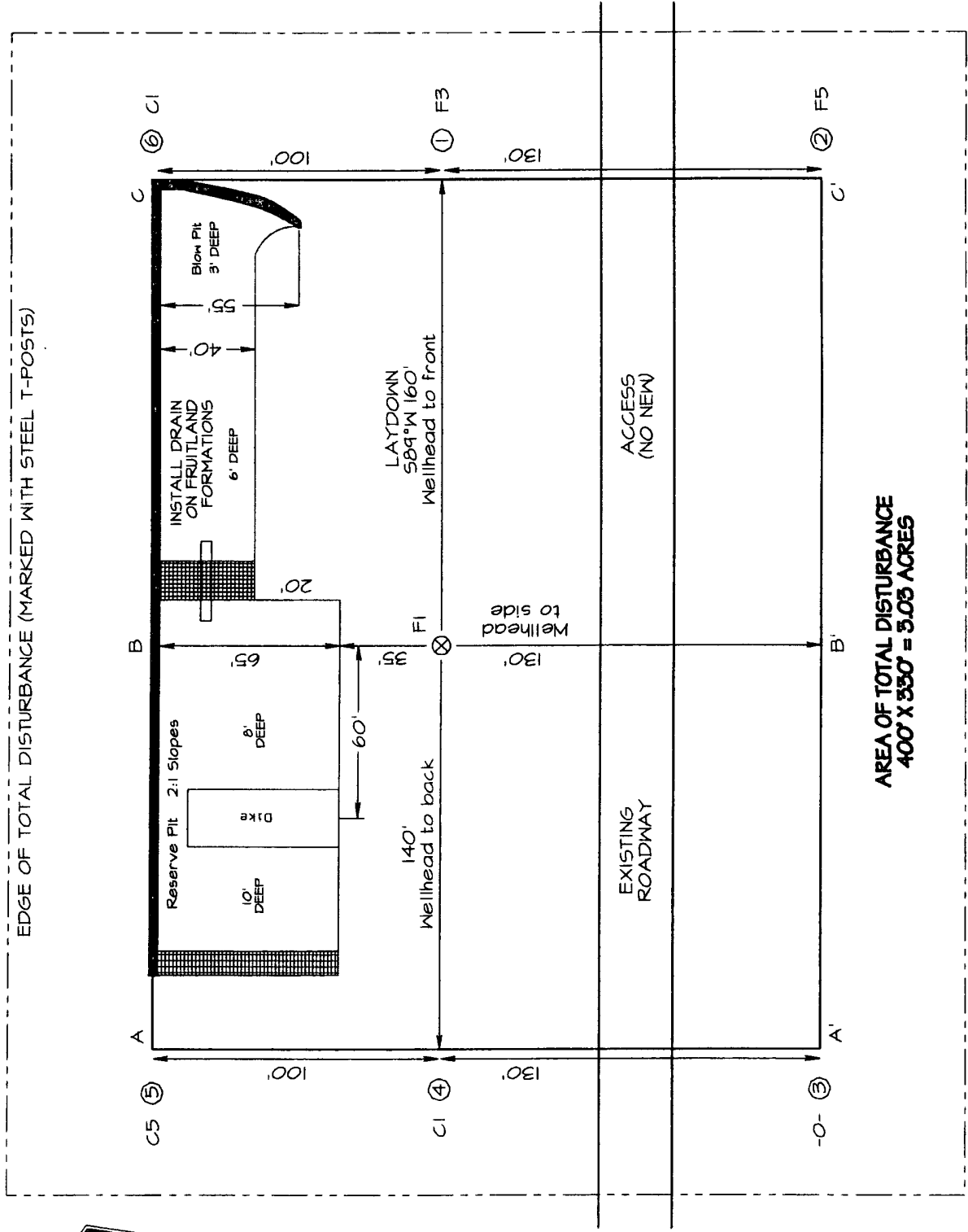
General/Work Description - Project taken back to Company Ownership to re-evaluate as a MV/DK 5/25/07 - LM

BURLINGTON RESOURCES OIL & GAS COMPANY NEWSOM B #8N
1170' FSL & 1940' FEL, SECTION 6, T26N, R8W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6135'



LATITUDE: 36°30.7556'N
 LONGITUDE: 107°43.2211'W
 DATUM: NAD1927

~ SURFACE OWNER ~
 Bureau of Land Management



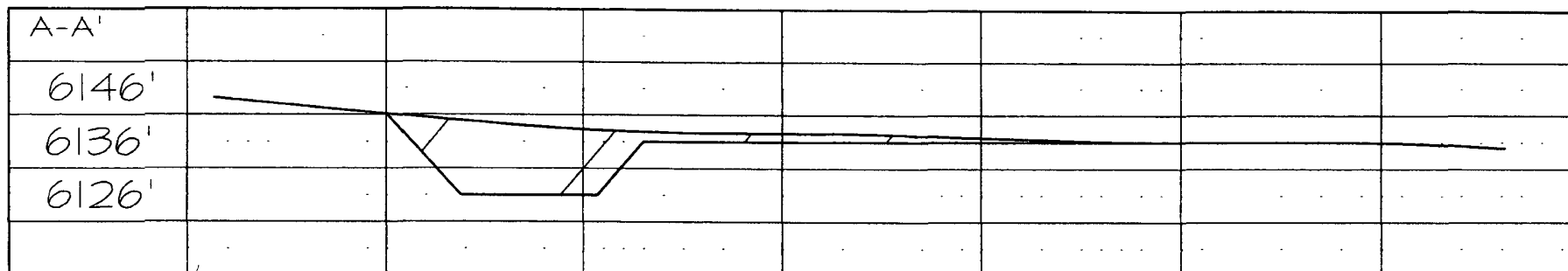
NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.
 CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY NEWSOM B #8N
1170' FSL & 1940' FEL, SECTION 6, T26N, R8W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6135'

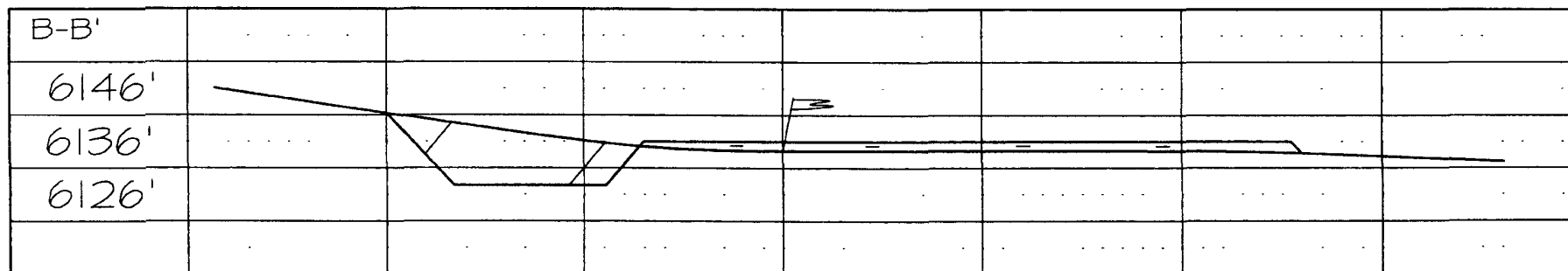
HORIZONTAL SCALE 1"=40'

C/L

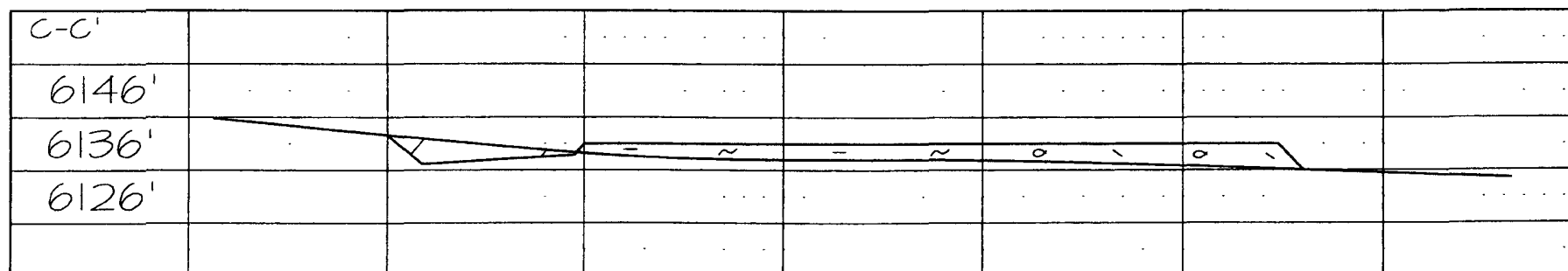
VERTICAL SCALE 1"=30'



C/L



C/L



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