

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RCVD AUG 27 '07

OIL CONS. DIV.

1a. Type of Work DRILL	5. Lease Number USA SF-079391 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 San Juan 27-5 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name	
4. Location of Well Surf: Unit N(S&SW), 853' FSL & 1846' FWL BH: Unit N(S&SW), 1135' FSL & 1605' FWL Surf: Latitude 36° 34.9784N Longitude 107° 23.0379 W BH: Latitude 36° 35.0340 N Longitude 107° 23.0876 W	9. Well Number #913 10. Field, Pool, Wildcat Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) N Sec. 8, T27N, R5W API 30-039-30318	
14. Distance in Miles from Nearest Town 36 mile/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 853'	SEE ATTACHED FOR CONDITIONS OF APPROVAL	
16. Acres in Lease 2,563.12	17. Acres Assessed MV/DK 320 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drig. Compl, or Applied for on this Lease 52' from San Juan 27-5 Unit #63		
19. Proposed Depth 7791' TVD/7845' TMD	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6591' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	NOTIFY AZTEC OCD 24 HRS. PRIOR TO CASING & CEMENT	
24. Authorized by Rhonda Rogers (Regulatory Technician)	8-9-07 Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE APM DATE 8/27/07

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 3

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

OPERATOR
8-30-07

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

RCVD AUG 27 '07

OIL CONS. DIV.

2007 AUG 13

Revised October 12, 2005

State Lease - 4 Copies

For Lease - 3 Copies

☐ AMENDED REPORT

1230 S. St. Francis Dr., Santa Fe, N.M. 87505

Santa Fe, N.M. 87605

18 S 88°47'03" E 2646.33' N 0°23'21" W	 O = SURFACE LOCATION ● = BOTTOM HOLE LOCATION	5208.18' 2689.32' 8 1°25'51" E	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 undivided 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. <u>Kandis Roland 6/2/07</u> Signature Date Kandis Roland Printed Name
USA SF-079391 SECTION 8 2616.10' NAD 83 LAT: 36.583908° N LONG: 107.386395° W NAD 27 LAT: 36° 35.0340' N LONG: 107° 23.0876' W		2680.33' 8 1°21'02" E	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plan 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. <u>6/07/07</u> Date of Survey Signature and Seal
1605' 1846' 1136' 853' N 0°35'07" W N 78°52'24" W 2690.16'	NAD 83 LAT: 36.582983° N LONG: 107.384567° W NAD 27 LAT: 36° 34.9784' N LONG: 107° 23.0379' W	2670.27'	17078 Certificate Number

State of New Mexico

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-103

May 27, 2004

WELL API NO.

30-039-

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease # USA SF-079391

7. Lease Name or Unit Agreement Name

San Juan 27-5 Unit

8. Well Number

#913

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Dakota

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 N : 853' feet from the South line and 1846' feet from the West line
Section 8 Township 27N Rng 5W NMPM County Rio Arriba

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

6591'

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

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 ☐

OTHER:

New Drill ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐P AND A ☐CASING/CEMENT JOB ☐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, Unlined:

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, vent/flare pit and pre-set mud pit will be unlined 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 unlined, 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

TITLE

Regulatory Technician

DATE

8-9-07

Type or print name

Rhonda Rogers

E-mail address:

rogerrs@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

APPROVED BY

TITLE

Deputy Oil & Gas Inspector,

District #3

DATE

AUG 30 2007

Conditions of Approval (if any):

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-5 UNIT 913

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7191		AFE \$: 970,343.66	
Field Name: hBR_SAN JUAN 27-5 UNIT		Rig: Aztec Riq 730		State: NM	County: RIO ARRIBA
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				
R20076	DAKOTA(R20076)				
Location: Surface Datum Code: NAD 27					
Latitude: 36.582974	Longitude: -107.383965	X:	Y:	Section: 08	Range: 005W
Footage X: 1846 FWL	Footage Y: 853 FSL	Elevation: 6591	(FT)	Township: 027N	
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27					
Latitude: 36.583900	Longitude: -107.384793	X:	Y:	Section: 08	Range: 005W
Footage X: 1605 FWL	Footage Y: 1135 FSL	Elevation:	(FT)	Township: 027N	
Tolerance:					
Location Type: Restricted		Start Date (Est.):		Completion Date:	
Date In Operation:					
Formation Data: Assume KB = 6607 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6407	☐		
OJAM	2705	3902	☐		
KRLD	2879	3728	☐		
FRLD	2956	3651	☐		Possible Gas
PCCF	3381	3226	☐		
LEWS	3558	3049	☐		
Intermediate Casing	3658	2949	☐		
HUERFANITO BENTONITE	3919	2688	☐		
CHRA	4380	2227	☐		
UCLFH	4937	1670	☐		Gas
MASSIVE CLIFF HOUSE	5046	1561	☐	702	Gas
MENF	5204	1403	☐		
PTLK	5542	1065	☐		
MNCS	6044	563	☐		
GLLP	6726	-119	☐		
GRHN	7482	-875	☐		
GRRS	7536	-929	☐		
TWLS	7566	-959	☐	2600	Gas
PAGU	7668	-1061	☐		
CBRO	7692	-1085	☐		
CBRL	7732	-1125	☐		
OAK CANYON	7791	-1184	☐		TD T/OKCN

Printed on: 8/9/2007 4:30:17 PM

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 913

DEVELOPMENT

TOTAL DEPTH DK	7791	-1184	☐	6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 563 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	27-5 #63	SW 8-27N-5W
Production	27-5 #112	SW 8-27N-5W

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

Comments: Location/Tops/Logging - DKNM027N005W08SW4 Surface twin with #63 with BHL at 1135' FSL & 1605' FWL.

Zones - DKNM027N005W08SW4

ConocoPhillips or its affiliates
Survey Report

Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well SJ 27-5 #913
Project:	San Juan Basin	TVD Reference:	WELL @ 8606.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	MD Reference:	WELL @ 8606.0ft (Original Well Elev)
Well:	SJ 27-5 #913	North Reference:	True
Wellbore:	SJ 27-5 #913	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM Central Planning

Planned Survey									
Measured Depth (ft)	Inclination (d)	Azimuth (d)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (d/100ft)	Build Rate (d/100ft)	Turn Rate (d/100ft)
7,845.0	0.00	0.00	7,791.0	282.0	-241.0	371.0	0.00	0.00	0.00
TD - Oak Canyon - SJ 27-5 #913 - PCP									

Targets									
Target Name	hit/miss target	Dip Angle (d)	Dip Dir. (d)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (m)	Easting (m)	Latitude Longitude
SJ 27-5 #913 - ICP	- plan hits target	0.00	0.00	3,658.0	282.0	-241.0	87.02	-72.23	30° 59' 27.303" N 109° 25' 46.862" W
- Point									
SJ 27-5 #913 - PCP	- plan hits target	0.00	0.00	7,791.0	282.0	-241.0	87.02	-72.23	30° 59' 27.303" N 109° 25' 46.862" W
- Point									

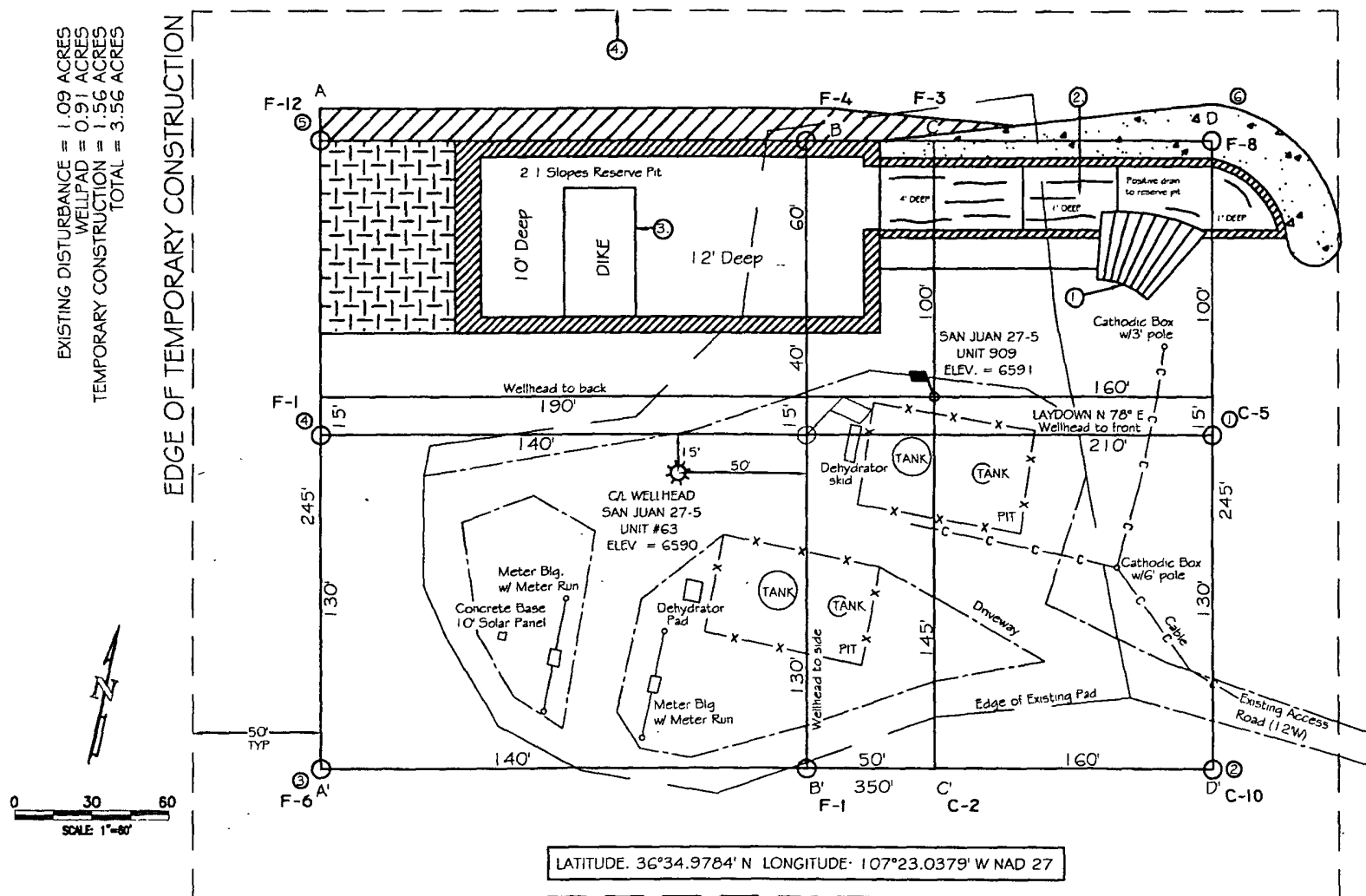
Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)	
2,722.1	2,705.0	Ojo Alamo		0.00		
2,910.0	2,879.0	Kirtland		0.00		
2,993.2	2,956.0	Fruitland		0.00		
3,434.0	3,381.0	Pictured Cliffs		0.00		
3,612.0	3,558.0	Lewis		0.00		
3,973.0	3,919.0	Huerf. Bent.		0.00		
4,434.0	4,380.0	Chacra		0.00		
4,991.0	4,937.0	Upper Cliffhouse		0.00		
5,100.0	5,046.0	Mass. Cliffhouse		0.00		
5,258.0	5,204.0	Menefee		0.00		
5,596.0	5,542.0	Pt. Lookout		0.00		
6,098.0	6,044.0	Mancos Shale		0.00		
6,780.0	6,726.0	Gallup		0.00		
7,536.0	7,482.0	Greenhorn		0.00		
7,590.0	7,536.0	Graneros		0.00		
7,620.0	7,566.0	Two Wells		0.00		
7,722.0	7,668.0	Paguate		0.00		
7,746.0	7,692.0	Upper Cubero		0.00		
7,786.0	7,732.0	Lower Cubero		0.00		
7,845.0	7,791.0	TD		0.00		
7,845.0	7,791.0	Oak Canyon		0.00		

Checked By: _____ Approved By: _____ Date: _____

GROUND ELEVATION: 6591 - DATE: JUNE 7, 2007

EXISTING DISTURBANCE = 1.09 ACRES
WELLPAD = 0.91 ACRES
TEMPORARY CONSTRUCTION = 1.56 ACRES
TOTAL = 3.56 ACRES

EDGE OF TEMPORARY CONSTRUCTION



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

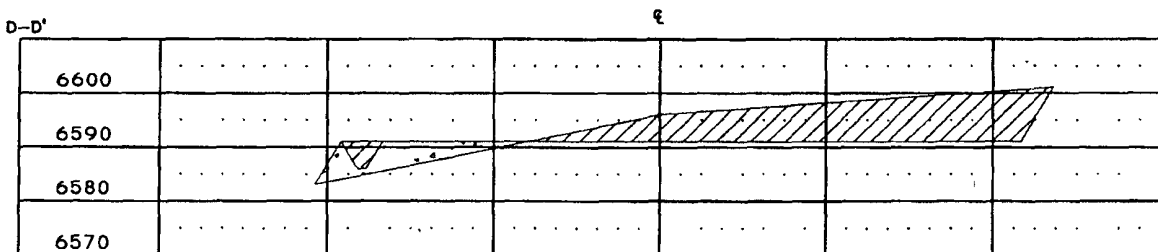
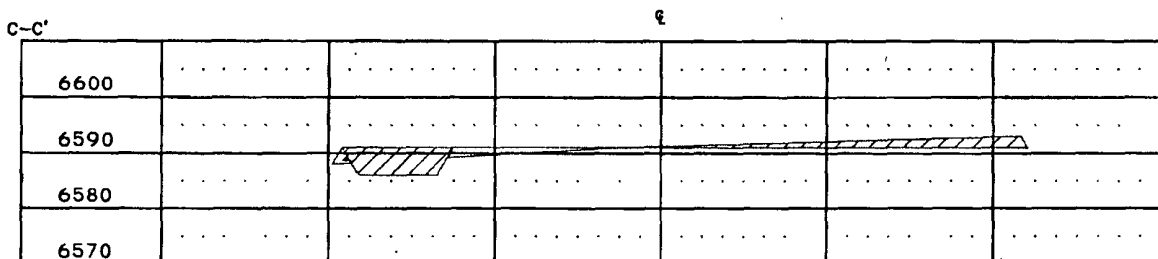
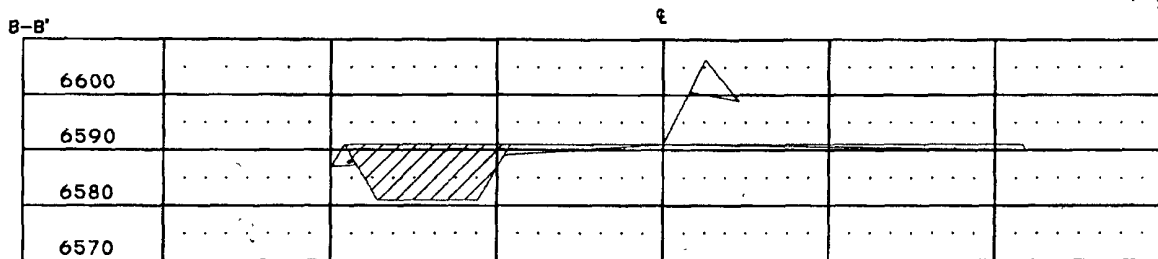
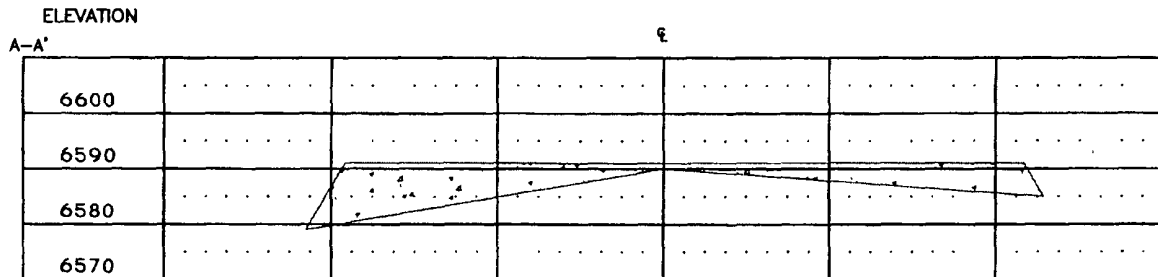
- 1) CONTRACTOR SHOULD CALL "ONE-CALL" FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELLPAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONST
- 2) UNITED FIELD SERVICES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

FILE NAME: 7703L01



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

BURLINGTON RESOURCES OIL & GAS COMPANY LP.
 SAN JUAN 27-5 UNIT 913 - 853' FSL & 1846' FWL (SURFACE)
 1135' FSL & 1605' FWL (BOTTOM)
 SECTION 8, T-27-N, R-5-W, N.M.P.M., RIO ARriba COUNTY, N.M.
 GROUND ELEVATION: 6591 - DATE: JUNE 7, 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: 8/07/07

REV. DATE:

APP. BY M.W.L.

DRAWN BY: H.S.

DATE DRAWN: 8/12/07

FILE NAME: 7703C01



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