

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD AUG 24 '07
OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-079391 Unit Reporting Number NM NM-78409B-MV NM NM-78409A-D/K	
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 9. Well Number #909	
4. Location of Well Surf: Unit N (SESW), 886' FSL & 1892' FWL BH: Unit K (NESW), 1920' FSL & 2280' FWL Surf: Latitude 36° 34.9825 N Longitude 107° 23.0285 W BH: Latitude 36° 35.1436 N Longitude 107° 22.9504 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) N Sec. 8, T27N, R5W API # 30-039-30309	
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 886'	17. Acres Assigned to Well MV/DK 320 (W/2)	
16. Acres in Lease		
18. Distance from Proposed Location to Nearest Well, Drlg. Compl. or Applied for on this Lease 104' from San Juan 27-5 Unit #63		
19. Proposed Depth 7800' TVD/8010' 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		
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	7-31-07 Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 8/23/07

Archaeological Report attached

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-4

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

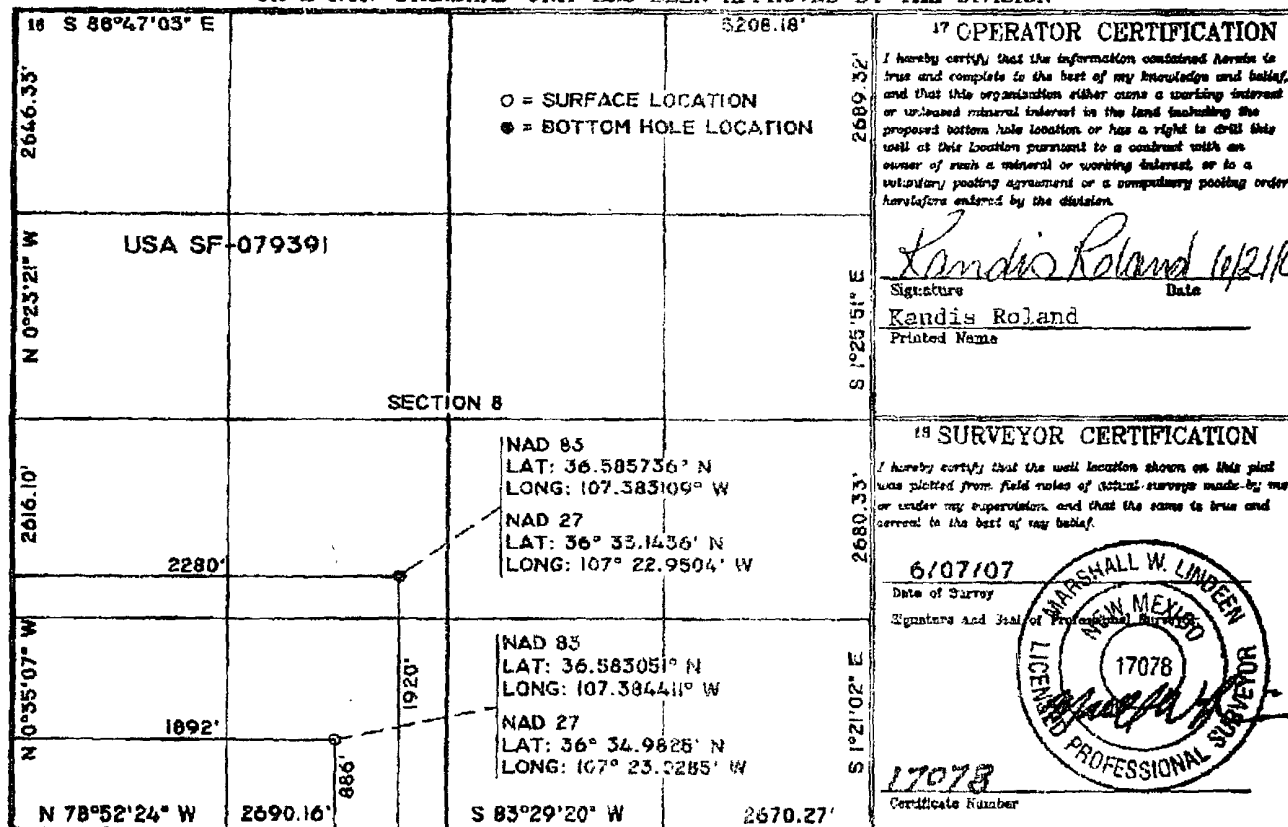
NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT NMOCD

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

8-30-07

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4



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.

30-039-30309

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

#909

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco MV/Basin DK

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 : 886' feet from the South line and 1892' 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

<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, 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

7-30-07

Type or print name

Rhonda Rogers

E-mail address:

rogerrs@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

Deputy Oil & Gas Inspector,

District #3

DATE

AUG 30 2007

APPROVED BY

TITLE

DATE

Conditions of Approval (if any):

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 909

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7150				AFE \$:	
Field Name: hBR_SAN JUAN 27-5 UNIT		Rig: Aztec Rig 730		State: NM	County: RIO ARRIBA	API #:	
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
R20002	MESAVERDE(R20002)						
R20076	DAKOTA(R20076)						
Location: Surface Datum Code: NAD 27 Deviated							
Latitude: 36.583041		Longitude: -107.383808		X:	Y:	Section: 08	Range: 005W
Footage X: 1892 FWL		Footage Y: 886 FSL		Elevation: 6591 (FT)		Township: 027N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Deviated							
Latitude: 36.585727		Longitude: -107.382507		X:	Y:	Section: 08	Range: 005W
Footage X: 2280 FWL		Footage Y: 1920 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	Remarks	
Surface Casing	200	6407	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 203 cuft. Circulate cement to surface.	
OJAM	2705	3902	☐				
KRLD	2879	3728	☐				
FRLD	2956	3651	☐			Possible Gas	
PCCF	3381	3226	☐				
LEWS	3558	3049	☐				
Intermediate Casing	3658	2949	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 861 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3929	2678	☐				
CHRA	4390	2217	☐				
UCLFH	4947	1660	☐			Gas	
MASSIVE CLIFF HOUSE	5056	1551	☐	702		Gas	
MENF	5214	1393	☐				
PTLK	5552	1055	☐				
MNCS	6054	553	☐				
GLLP	6736	-129	☐				
GRHN	7492	-885	☐				
GRRS	7546	-939	☐				
TWLS	7576	-969	☐	2600		Gas	
PAGU	7678	-1071	☐				
CBRO	7702	-1095	☐				
CBRL	7742	-1135	☐				
OAK CANYON	7800	-1193	☐			TD T/OKCN	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 909

DEVELOPMENT

TOTAL DEPTH DK 7800 -1193 ☐

6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing.
Cement with 564 cuft. Circulate cement a minimum of 100'
inside the previous casing string.

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, might need PEX GR_CBL, MUDLOG 100' above GRHN to TD

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - MVNM027N005W08SW4; DK12027N005W08SW3 Surface twin with #112F and BHL at 1920' FSL & 2280' FWL., MUDLOG 100' above GRHN to TD.

Zones - MVNM027N005W08SW4; DK12027N005W08SW3

ConocoPhillips

Survey Report

Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well SJ 27-5 #909
Project:	San Juan Basin	TVD Reference:	WELL @ 6608.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	MD Reference:	WELL @ 6606.0ft (Original Well Elev)
Well:	SJ 27-5 #909	North Reference:	True
Wellbore:	SJ 27-5 #909	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)
7,911.6	0 00	0.00	7,702.0	1,034.0	388.0	1,104.4	0 00	0 00	0.00
Upper Cubero									
7,951.6	0 00	0.00	7,742.0	1,034.0	388.0	1,104.4	0 00	0 00	0.00
Lower Cubero									
8,000.0	0 00	0.00	7,790.4	1,034.0	388.0	1,104.4	0 00	0 00	0.00
8,009.6	0 00	0.00	7,800.0	1,034.0	388.0	1,104.4	0 00	0.00	0.00
Oak Canyon - TD - SJ 27-5 #909 - 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 #909 - PCP	hit/miss target	0 00	0 00	7,800.0	1,034.0	388.0	313.50	122.80	30° 59' 34.746" N	109° 25' 39.636" W
- plan hits target										
- Point										
SJ 27-5 #909 - ICP	hit/miss target	0 00	0.00	3,658.0	1,034.0	388.0	313.50	122.80	30° 59' 34.746" N	109° 25' 39.636" W
- plan hits target										
- Point										

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)
2,875.0	2,705.0	Ojo Alamo		0.00	
3,065.2	2,879.0	Kirtland		0.00	
3,148.7	2,956.0	Fruitland		0.00	
3,589.6	3,381.0	Pictured Cliffs		0.00	
3,767.6	3,558.0	Lewis		0.00	
4,138.6	3,929.0	Huerf. Bent.		0.00	
4,599.6	4,390.0	Chacra		0.00	
5,156.6	4,947.0	Upper Cliffhouse		0.00	
5,265.6	5,056.0	Mass. Cliffhouse		0.00	
5,423.6	5,214.0	Menefee		0.00	
5,761.6	5,552.0	Pt Lookout		0.00	
6,263.6	6,054.0	Mancos Shale		0.00	
6,945.6	6,736.0	Gallup		0.00	
7,701.6	7,492.0	Greenhorn		0.00	
7,755.6	7,546.0	Graneros		0.00	
7,785.6	7,576.0	Two Wells		0.00	
7,887.6	7,678.0	Paguate		0.00	
7,911.6	7,702.0	Upper Cubero		0.00	
7,951.6	7,742.0	Lower Cubero		0.00	
8,009.6	7,800.0	Oak Canyon		0.00	
8,009.6	7,800.0	TD		0.00	

Checked By: _____ Approved By: _____ Date: _____

BURLINGTON RESOURCES OIL & GAS COMPANY LP.

SAN JUAN 27-5 UNIT 909 - 886' FSL & 1892' FWL (SURFACE)

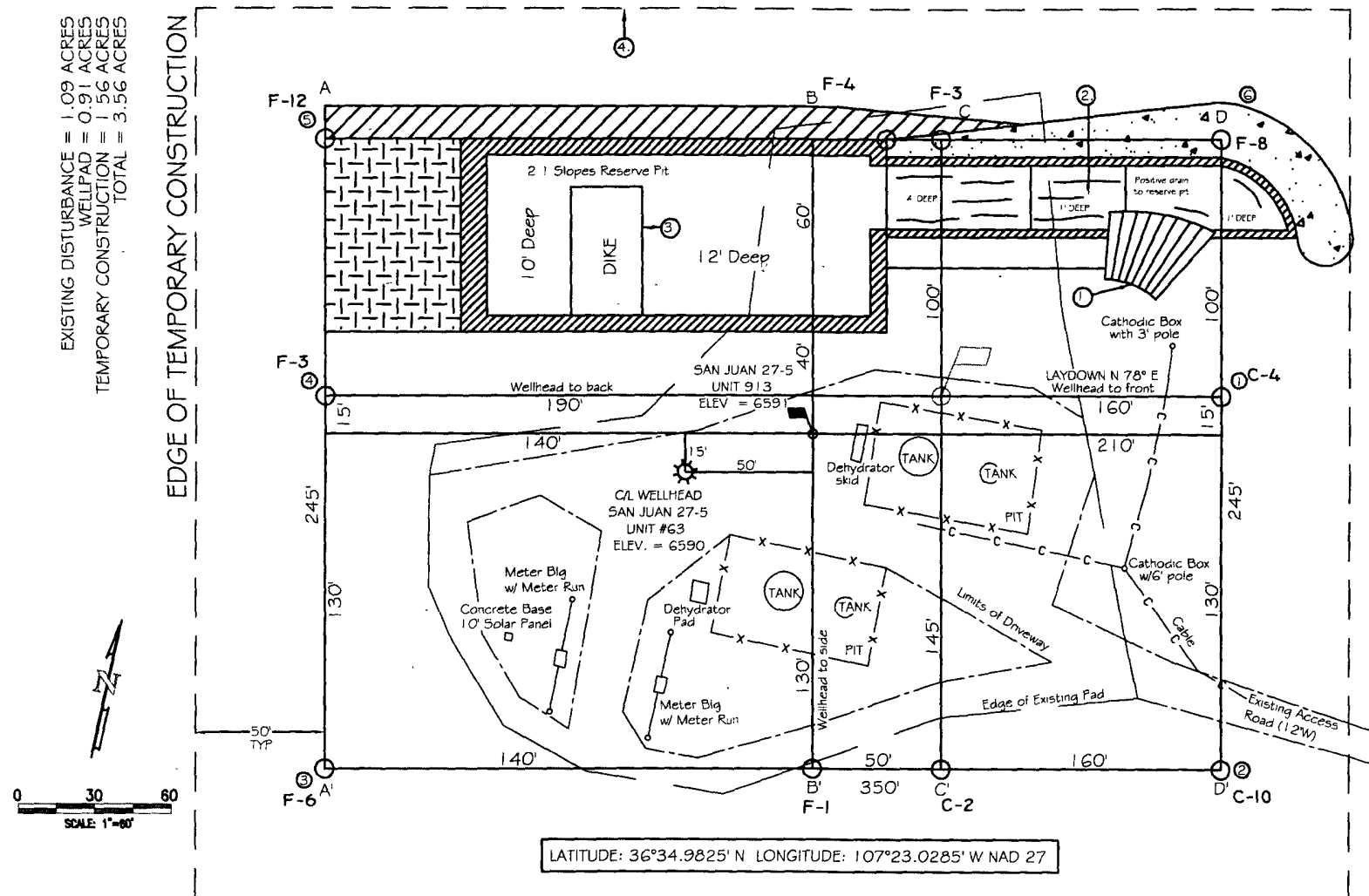
1920' FSL & 2280' FWL (BOTTOM)

SECTION 8, T-27-N, R-5-W, N.M.P.M., RIO ARriba COUNTY, N.M.

GROUND ELEVATION: 6591 - DATE: JUNE 7, 2007

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

EDGE OF TEMPORARY CONSTRUCTION



PAD CONST. SPECS

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

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: 6/07/07

REV. DATE:

APP. BY M.W.L.

DRAWN BY: H.S.

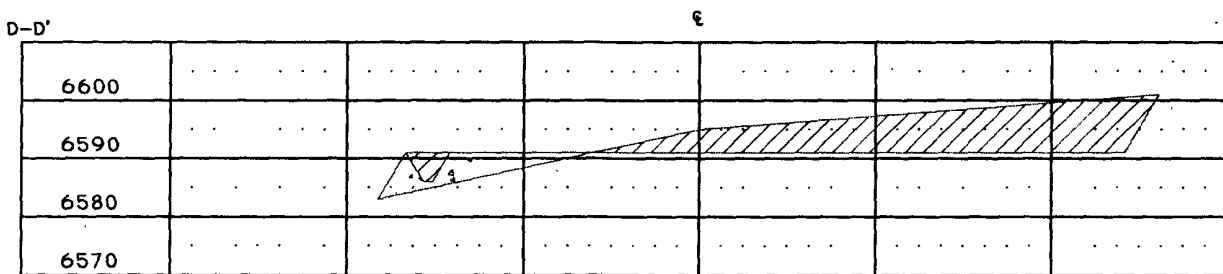
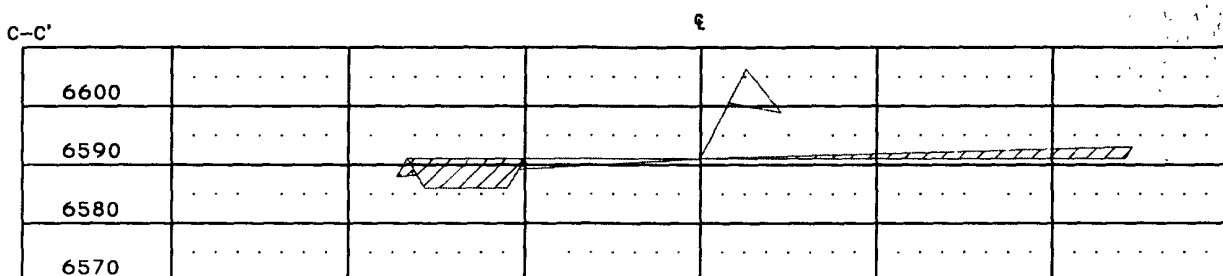
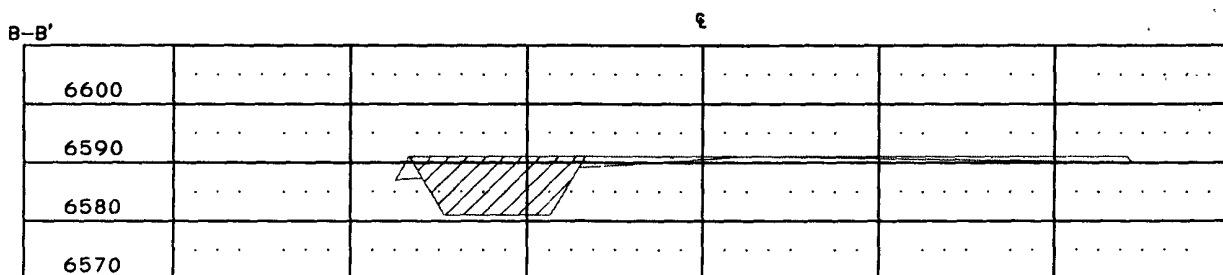
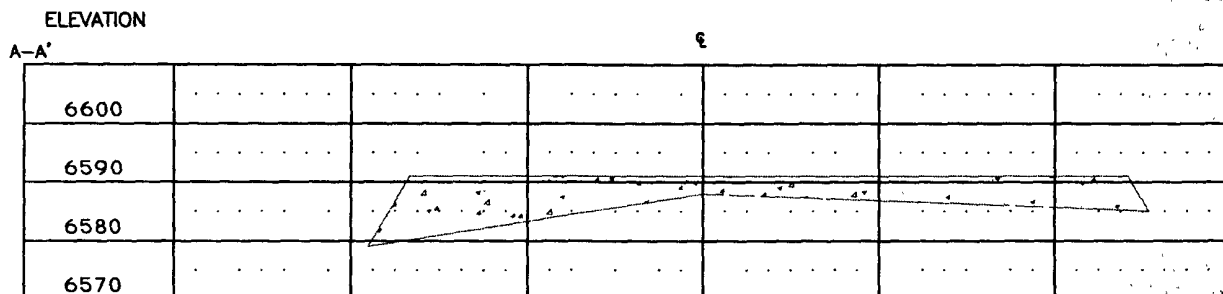
DATE DRAWN: 6/13/07

FILE NAME: 7699L01



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

BURLINGTON RESOURCES OIL & GAS COMPANY LP.
SAN JUAN 27-5 UNIT 909 - 886' FSL & 1892' FWL (SURFACE)
1920' FSL & 2280' 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

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- 2.) UNITED FIELD SERVICES, INC IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

SURVEYED: 6/07/07

REV. DATE:

APP. BY M.W.L.

DRAWN BY: H.S.

DATE DRAWN: 6/12/07

FILE NAME: 7699C01



**P.O. BOX 3851
FARMINGTON, NM 87499
OFFICE: (505)334-0408**