

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD AUG 23 '07
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 JUL 26 PM 3 56

RECEIVED
070 FARMINGTON NM

1a. Type of Work
DRILL

1b. Type of Well
GAS

2. Operator
BURLINGTON
RESOURCES Oil & Gas Company, LP

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499
(505) 326-9700

4. Location of Well
Surf: Unit C(NENW), 591' FNL & 1614' FWL
BH: Unit C(NENW), 920' FNL & 2325' FWL
Surf: Latitude 36° 35.6020 N
Longitude 107° 22.9432 W
BH: Latitude 36° 35.6593 N
Longitude 107° 23.0886 W

5. Lease Number
USA SF-079391
Unit Reporting Number
NMNM-784098-MV NMNM-78409A-DK

6. If Indian, All. or Tribe

7. Unit Agreement Name
San Juan 27-5 Unit

8. Farm or Lease Name

9. Well Number
#902

10. Field, Pool, Wildcat
Blanco MV/Basin DK

11. Sec., Twn, Rge, Mer. (NMPM)
C Sec. 8, T27N, R5W
API # 30-039-30301

12. County
Rio Arriba

13. State
NM

14. Distance in Miles from Nearest Town
35 mile/Blanco

15. Distance from Proposed Location to Nearest Property or Lease Line
591'

16. Acres in Lease

17. Acres Assigned to Well
MV/DK 320 (W/2)

18. Distance from Proposed Location to Nearest Well, Drig, Compl. or Applied for on this Lease
76' from San Juan 27-5 Unit #112M

19. Proposed Depth
7876' TVD/8013' TMD

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6639' GL

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: Rhonda Rogers
Rhonda Rogers (Regulatory Technician)

7-26-07
Date

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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

NOTIFY AZTEC OCD 24 HRS.

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

PRIOR TO CASING & CEMENT

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

RCVD AUG 23 '07
OIL CONS. DIV.

DIST. 3

2007 JUL 26 PM 3 56

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
DISTRICT II
1801 W. Grand Avenue, Artesia, N.M. 88210
DISTRICT III
1000 Elia Brasos Rd., Aztec, N.M. 87410
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

RECEIVED
070 FARMINGTON NM

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-30301	Pool Code 71599/72319	Basin Dakota/ Blanco Mesaverde
Property Code 7454	Property Name SAN JUAN 27-5 UNIT	Well Number 902
OGHD No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP.	Elevation 6659

Surface Location

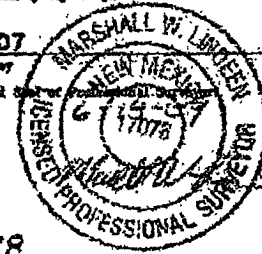
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	8	27 N	5 W		591	NORTH	1614	WEST	RIO ARriba

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
C	8	27 N	5 W		920	NORTH	2325	WEST	RIO ARriba

Dedicated Acres 320 W/2	Point or Infill	Consolidation Code	Order No.
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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.

16 S 88°47'03" E	591'	5208.18'	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 an 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 interest or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>Kandis Roland</u> Date: <u>1/22/07</u> Printed Name: <u>Kandis Roland</u>
1614'	2325'	NAD 83 LAT: 36.593576° N LONG: 107.38299° W NAD 27 LAT: 36° 35.6020' N LONG: 107° 22.9432' W	
N 0°25'21" W 2646.35'	SECTION 8	USA SF-079391	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: <u>5/15/07</u> Signature and Seal of Registered Surveyor:  17078 Certificate Number
N 0°36'07" W 2616.10'		NAD 83 LAT: 36.594530° N LONG: 107.383412° W NAD 27 LAT: 36° 35.6593' N LONG: 107° 23.0886' W	
N 78°52'24" W 2640.16'		S 83°29'20" W 2670.27'	

○ = SURFACE LOCATION
● = PROPOSED BOTTOM HOLE LOCATION

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- 30301

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

#902

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco MV/Basin DK

SUNDY 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 C : 591' feet from the North line and 1614' feet from the West line
Section 8 Township 27N Rng 5W NMPM County Rio Arriba

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

6639'

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

☐

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, 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

TITLE

Regulatory Technician

DATE

7-25-07

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 Business Unit

SAN JUAN 27-5 UNIT 902

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7182				AFE \$:	
Field Name: hBR_SAN JUAN 27-5 UNIT		Rig: Aztec Rig 673		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							
Latitude: 36.594321		Longitude: -107.384810		X:	Y:	Section: 08	Range: 005W
Footage X: 1614 FWL		Footage Y: 591 FNL		Elevation: 6639 (FT)		Township: 027N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.593567		Longitude: -107.382388		X:	Y:	Section: 08	Range: 005W
Footage X: 2325 FWL		Footage Y: 920 FNL		Elevation: (FT)		Township: 027N	
Tolerance:							
Location Type: Restricted		Start Date (Est.):		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6655 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6435	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 203 cuft. Circulate cement to surface.	
OJAM	2753	3902	☐				
KRLD	2950	3705	☐				
FRLD	3044	3611	☐			Possible Gas	
PCCF	3438	3217	☐				
LEWS	3546	3109	☐				
Intermediate Casing	3646	3009	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 852 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3984	2671	☐				
CHRA	4395	2260	☐				
UCLFH	5014	1641	☐			Gas	
MASSIVE CLIFF HOUSE	5104	1551	☐	702		Gas	
MENF	5284	1371	☐				
PTLK	5590	1065	☐				
MNCS	6061	594	☐				
GLLP	6791	-136	☐				
GRHN	7542	-887	☐				
GRRS	7599	-944	☐				
TWLS	7632	-977	☐	2600		Gas	
PAGU	7732	-1077	☐				
CBRO	7752	-1097	☐				
CBRL	7796	-1141	☐				
OAK CANYON	7876	-1221	☐			TD T/OKCN	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 902

DEVELOPMENT

TOTAL DEPTH DK	7876	-1221	☐	2600	6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 576 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	27-4 #176	NE 8-27N-4W
Production	27-4 #112M	NW 8-27N-4W

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
GR_CBL, Mudlogger 100' above GRHN to TD	

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Location/Tops/Logging - MVNM027N005W08NW4 DKNM027N005W08NW4 SHL as twin with 112M and BHL at 920' FNL & 2325' FWL., mudlog 100' above GRHN to TD

Zones - MVNM027N005W08NW4 DKNM027N005W08NW4

ConocoPhillips

Survey Report

Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well SJ 27-5 #902
Project:	San Juan Basin	TVD Reference:	WELL @ 6654.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	MD Reference:	WELL @ 6654.0ft (Original Well Elev)
Well:	SJ 27-5 #902	North Reference:	True
Wellbore:	SJ 27-5 #902	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)
8,012.6	0 00	0 00	7,876 0	-329 0	711 0	783.4	0.00	0.00	0 00
Oak Canyon - TD - SJ 27-5 #902 - PCP									

Targets

Target Name	Dip Angle (d)	Dip Dir. (d)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
SJ 27-5 #902 - PCP	0 00	0 00	7,876.0	-329 0	711.0	-103.40	215.30	30° 59' 21.256" N	109° 25' 35.926" W
- plan hits target									
- Point									
SJ 27-5 #902 - ICP	0.00	0 00	3,646.0	-329 0	711.0	-103.40	215 30	30° 59' 21.256" N	109° 25' 35 926" W
- plan hits target									
- Point									

Formations

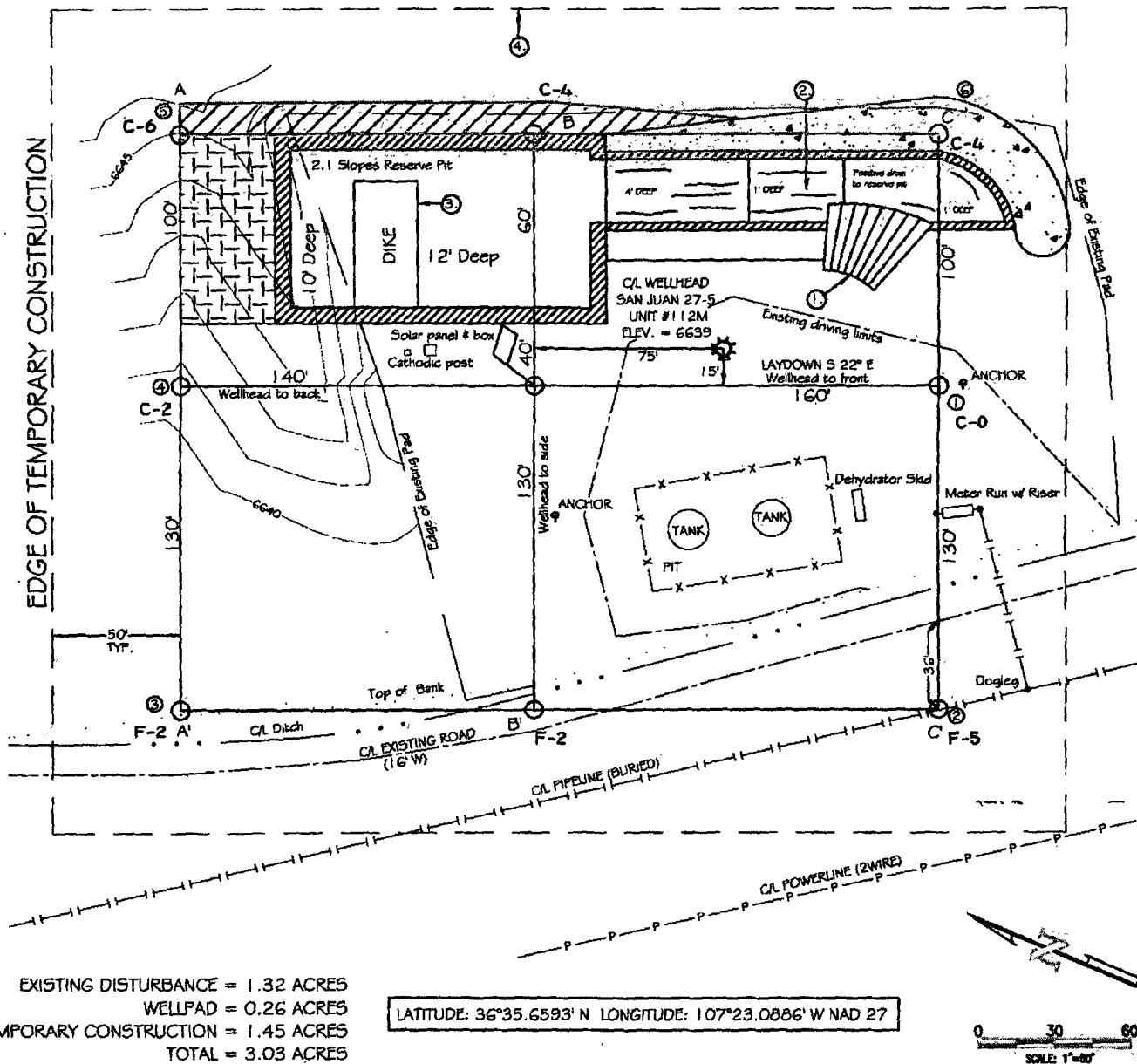
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)
2,857.1	2,753 0	Ojo Alamo		0 00	
3,070 2	2,950 0	Kirtland		0 00	
3,170.2	3,044.0	Fruitland		0.00	
3,574 2	3,438 0	Pictured Cliffs		0.00	
3,682.6	3,546.0	Lewis		0.00	
4,120.6	3,984.0	Huerf. Bent.		0.00	
4,531.6	4,395 0	Chacra		0 00	
5,240 6	5,104.0	Mass. Cliffhouse		0 00	
5,420.6	5,284.0	Menefee		0.00	
5,726.6	5,590 0	Pt. Lookout		0.00	
6,197.6	6,061.0	Mancos Shale		0.00	
6,927 6	6,791 0	Gallup		0 00	
7,678 6	7,542 0	Greenhorn		0.00	
7,735.6	7,599 0	Graneros		0 00	
7,768.6	7,632.0	Two Wells		0.00	
7,888.6	7,752.0	Upper Cubero		0.00	
7,932.6	7,796.0	Lower Cubero		0.00	
8,012.6	7,876 0	Oak Canyon		0.00	
8,012.6	7,876 0	TD		0.00	

Checked By: _____ Approved By: _____ Date: _____

BURLINGTON RESOURCES OIL & GAS COMPANY LP.
SAN JUAN 27-5 UNIT 902 - 591' FNL & 1614' FWL (SURFACE)
920' FNL & 2325' FWL (BOTTOM)
SECTION 8, T-27-N, R-5-W, N.M.P.M., RIO ARriba COUNTY, N.M.
GROUND ELEVATION: 6639 - DATE: MAY 15, 2007

PAD CONST. SPECS:

1. RAMP INTO PIT CONSTRUCTED FROM PAD GRADE INTO FLARE AREA AT 5% SLOPE
2. APPROXIMATE 13x75' PIT AREA LINED WITH 12 MIL POLYLINER
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/G T-POST



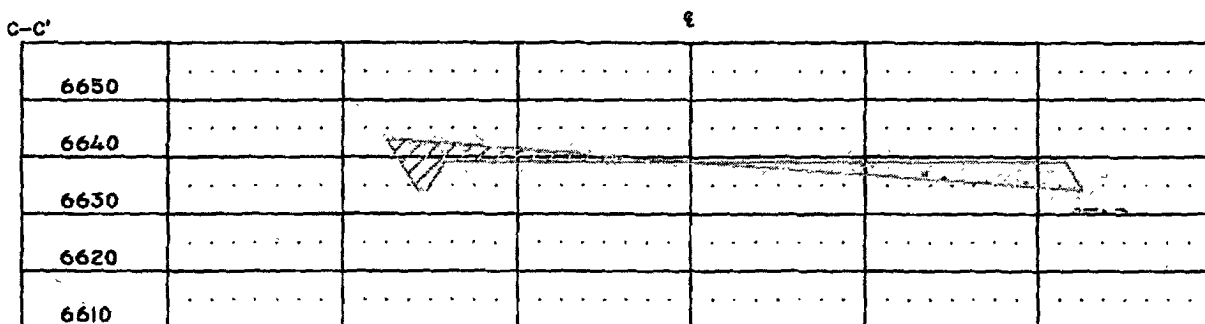
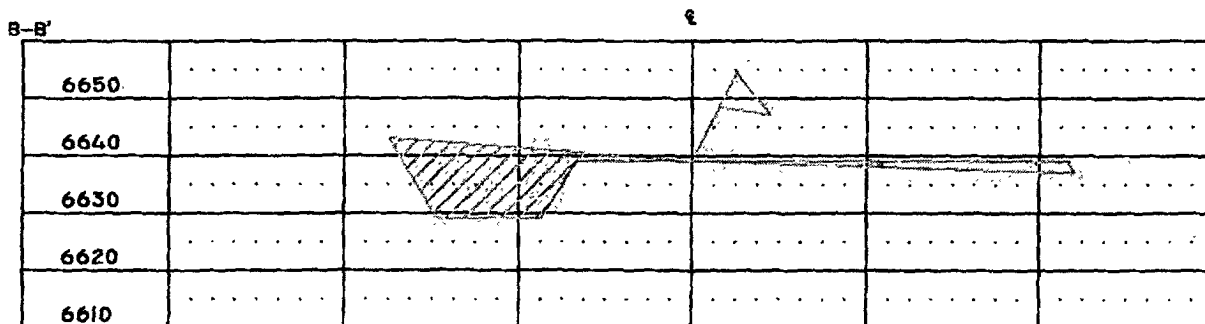
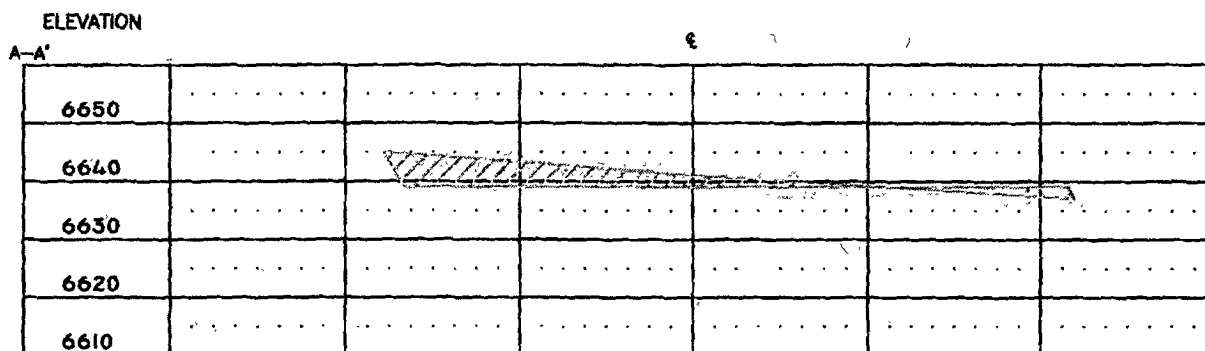
NOTES

- 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: 5/15/07	REV. DATE:	APP. BY: M.W.L.
DRAWN BY: H.S.	DATE DRAWN: 5/30/07	FILE NAME: 78941.D1
 UNITED FIELD SERVICES INC.		
P.O. BOX 3851 FARMINGTON, NM 87488 OFFICE: (505)334-0408		

BURLINGTON RESOURCES OIL & GAS COMPANY LP.
 SAN JUAN 27-5 UNIT 902 - 591' FNL & 1614' FWL (SURFACE)
 920' FNL & 2325' FWL (BOTTOM)

SECTION 8, T-27-N, R-5-W, N.M.P.M., RIO ARRIBA COUNTY, N.M.
 GROUND ELEVATION: 6639 - DATE: MAY 15, 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: 5/15/07

REV. DATE:

APP. BY M.W.L.

DRAWN BY: H.S.

DATE DRAWN: 5/30/07

FILE NAME: 7694C01



P.O. BOX 3651
 FARMINGTON, NM 87409
 OFFICE: (505)334-0408