

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD SEP 28 '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	
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 J(NWSE), 1486' FSL & 1768' FEL BH: Unit O(SWSE), 1125' FSL & 2410' FEL Surf: Latitude 36° 35.0706 N Longitude 107° 22.6997 W BH: Latitude 36° 34.9993 N Longitude 107° 22.8292 W	9. Well Number #914 10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) J Sec. 8, T27N, R5W API # 30-039-30347	
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 1125'	17. Acres Assigned to Well MV/DK 320 (E/2)	
16. Acres in Lease	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 52' from San Juan 27-5 Unit 915	22. Approx. Date Work will Start BLM'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	
19. Proposed Depth 7868' TVD/7970' TMD	23. Proposed Casing and Cementing Program See Operations Plan attached	
21. Elevations (DF, FT, GR, Etc.) 6646' GL	24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	
22. Approx. Date Work will Start 9-16-07		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

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

OCT 01 2007

NOTIFY AZTES TO CASING & CEMENT
NMOCDPRIOR TO CASING & CEMENT
This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

RECEIVED

SEP 06 2007

Bureau of Land Management
Farmington Field Office

Form C-102

DISTRICT I
1325 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Revised October 12, 2005

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

DISTRICT III
1000 Rio Brazos Rd., Artesia, N.M. 87410

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

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-30347		Pool Code 71599/72319	Pool Name Basin Dakota/ Blanco Mesaverde
Property Code 7454	Property Name SAN JUAN 27-5 UNIT		Well Number 914
ORD No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP.		Elevation 6646

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
J	8	27 N	5 W		1486	SOUTH	1768	EAST	RIO ARriba

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
O	8	27 N	5 W		1125	SOUTH	2410	EAST	RIO ARriba

Dedicated Acres 320 E/2	Joint 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 ○ = SURFACE LOCATION ● = BOTTOM HOLE LOCATION USA SF-079391		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. <i>Kandis Roland</i> 7/15/07 Signature Date Kandis Roland Printed Name	
SECTION 8 NAD 83 LAT: 36.584520° N LONG: 107.378931° W NAD 27 LAT: 36° 35.0706' N LONG: 107° 22.6997' W		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. 6/12/07 Date of Survey Signature and Seal of Professional Surveyor MARSHALL W. LINDEEN NEW MEXICO LICENSED 17078 PROFESSIONAL SURVEYOR	
N 0°23'21" W 2616.10' N 0°35'07" W N 78°52'24" W		2680.32' S 1°25'51" E 2680.33' S 1°21'02" E 2670.27'	

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

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)		WELL API NO. 30-039- 30347
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP		6. State Oil & Gas Lease No. Federal Lease #SF-079391
3. Address of Operator 3401 E. 30TH STREET, FARMINGTON, NM 87402		7. Lease Name or Unit Agreement Name San Juan 27-5 Unit
4. Well Location Unit Letter <u>J</u> : <u>1486'</u> feet from the <u>South</u> line and <u>1768'</u> feet from the <u>East</u> line Section <u>8</u> Township <u>27N</u> Rng <u>5W</u> NMPM County <u>Rio Arriba</u>		8. Well Number #914
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6646'		9. OGRID Number 14538
Pit or Below-grade Tank Application ☐ or Closure ☐		10. Pool name or Wildcat Blanco MV/Basin DK
Pit type <u>New Drill</u> Depth to Groundwater <u>>100</u> Distance from nearest fresh water well <u>>1000</u> Distance from nearest surface water <u>>200</u> Pit Liner Thickness: <u>NA</u> mil Below-Grade Tank: <u>Volume</u> bbls; Construction Material <u>1000</u>		

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.

RCVD SEP 28 '07
OIL CONS. DIV.
DIST. 3

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 Rhonda Rogers TITLE Regulatory Technician DATE 9-6-07

Type or print name Rhonda Rogers E-mail address: rogerrs@conocophillips.com Telephone No. 505-599-4018

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, DATE OCT 01 2007
District #3

Conditions of Approval (if any):

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 914

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7186				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: 36.584511	Longitude: -107.378328	X:	Y:	Section: 08	Range: 005W		
Footage X: 1768 FEL	Footage Y: 1486 FSL	Elevation: 6646	(FT)	Township: 027N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Deviated							
Latitude: 36.583322	Longitude: -107.380486	X:	Y:	Section: 08	Range: 005W		
Footage X: 2410 FEL	Footage Y: 1125 FSL	Elevation:	(FT)	Township: 027N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2008		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6662 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6462	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 203 cuft. Circulate cement to surface.	
OJAM	2766	3896	☐				
KRLD	2925	3737	☐				
FRLD	3007	3655	☐			Possible Gas	
PCCF	3445	3217	☐				
LEWS	3623	3039	☐				
Intermediate Casing	3723	2939	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 851 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4024	2638	☐				
CHRA	4398	2264	☐				
UCLFH	4997	1665	☐			Gas	
MASSIVE CLIFF HOUSE	5094	1568	☐	702		Gas	
MENF	5257	1405	☐				
PTLK	5604	1058	☐				
MNCS	6113	549	☐				
GLLP	6789	-127	☐				
GRHN	7551	-889	☐				
GRRS	7611	-949	☐				
TWLS	7636	-974	☐	2600		Gas	
PAGU	7736	-1074	☐				
CBRO	7759	-1097	☐				
CBRL	7799	-1137	☐				
OAK CANYON	7868	-1206	☐			TD T/OKCN	

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-5 UNIT 914

DEVELOPMENT

TOTAL DEPTH DK	7868	-1206	☐	6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 565 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments
Production	27-5 70Y	SE 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, Mudlogger 100' above GRHN to TD	

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

Comments: Location/Tops/Logging - MVNM027N005W08SE6 DKNM027N005W08SE6 SHL as twin with 77 & 77Y and BHL at 1125' FSL & 2410' FEL. Mudlogger 100' above GRHN to TD.

Zones - MVNM027N005W08SE6 DKNM027N005W08SE6

12 157 2012 011 012 014 2 015 DRILL TOGETHER

ConocoPhillips or its affiliates

Survey Report

Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well SJ-27-5 #914
Project:	San Juan Basin	TVD Reference:	WELL @ 6661 0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	MD Reference:	WELL @ 6661 0ft (Original Well Elev)
Well:	SJ 27-5 #914	North Reference:	True
Wellbore:	SJ-27-5 #914	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)
7,900 0	0 00	0 00	7,797 7	-361 0	-642 0	736 5	0 00	0 00	0 00
7,901 3	0 00	0 00	7,799 0	-361 0	-642 0	736 5	0 00	0 00	0 00
Lower Cubero									
7,970 3	0 00	0 00	7,868 0	-361 0	-642 0	736 5	0 00	0 00	0 00
Oak Canyon - TD - SJ 27-5 #914 - PCP									

Targets

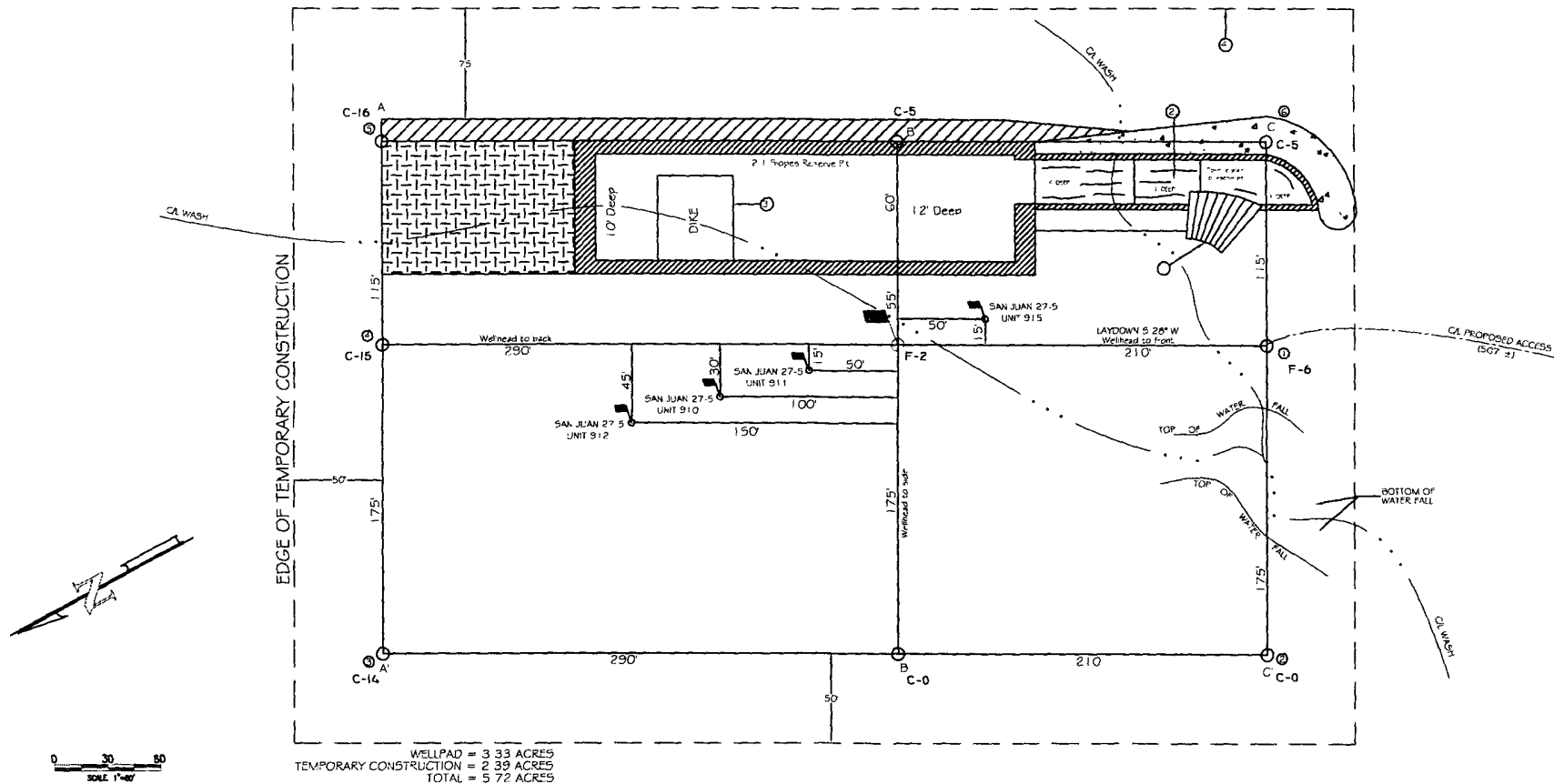
Target Name	hit/miss target	Dip Angle (d)	Dip Dir (d)	TVD (ft)	+N-S ft	+E-W ft	Northing (m)	Easting (m)	Latitude	Longitude
SJ 27-5 #914 - PCP	- plan hits target	0 00	0 00	7,868 0	-361 0	-642 0	-107 24	-197 28	30° 59' 20 939" N	109° 25' 51 469" W
SJ 27-5 #914 - ICP	- plan hits target	0 00	0 00	3,723 0	-361 0	-642 0	-107 24	-197 28	30° 59' 20 939" N	109° 25' 51 469" W
	- Point									

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)
2,858.0	2,766 0	Ojo Alamo		0 00	
3,021 4	2,925 0	Kirtland		0 00	
3,105 1	3,007 0	Fruitland		0 00	
3,547 1	3,445 0	Pictured Cliffs		0 00	
3,725 3	3,623 0	Lewis		0 00	
4,126 3	4,024 0	Huerf. Bent.		0 00	
4,500 3	4,398 0	Chacra		0 00	
5,099 3	4,997 0	Upper Cliffhouse		0 00	
5,196 3	5,094 0	Mass Cliffhouse		0 00	
5,359 3	5,257 0	Menefee		0 00	
5,706 3	5,604 0	Pt Lookout		0 00	
6,215 3	6,113 0	Mancos Shale		0 00	
6,891 3	6,789 0	Gallup		0 00	
7,653 3	7,551 0	Greenhorn		0 00	
7,713 3	7,611 0	Graneros		0 00	
7,738 3	7,636 0	Two Wells		0 00	
7,838 3	7,736 0	Paguate		0 00	
7,861 3	7,759 0	Upper Cubero		0 00	
7,901 3	7,799 0	Lower Cubero		0 00	
7,970 3	7,868 0	Oak Canyon		0 00	
7,970 3	7,868 0	TD		0 00	

Checked By: _____ Approved By: _____ Date: _____

BURLINGTON RESOURCES OIL & GAS COMPANY LP.
SAN JUAN 27-5 UNIT 914 - 1486' FSL & 1768' FEL (SURFACE) - 1125' FSL & 2410' FEL (BOTTOM)
SECTION 8, T-27-N, R-5-W, N.M.P.M., RIO ARriba COUNTY, N.M.
GROUND ELEVATION: 6646 - DATE: JUNE 12, 2007



LATITUDE 36°35'0706" N LONGITUDE 107°22'6997" W NAD 27

NOTE
 GROUND ELEVATION BASED ON SAN JUAN 27-5 UNIT 914

PAD CONST. SPECS

1. RAMP INTO PIT CONSTRUCTED FROM PAD GRADE INTO FLARE AREA AT 5% SLOPE
2. APPROXIMATE 13x75' "H" AREA LINED WITH 1.2 ML POLYMER
3. RESERVE PIT DIKE TO BE 6" 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

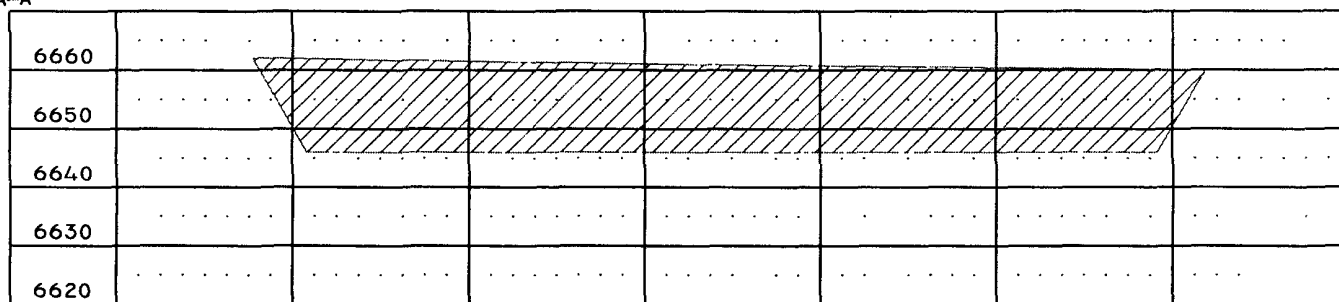
SURVEYED: 6/12/07	REV. DATE:	APP. BY: M.W.L.
DRAWN BY: H.S.	DATE DRAWN: 6/20/07	FILE NAME: 7690L01
 UNITED FIELD SERVICES INC.		
P.O. BOX 3851 FARMINGTON, NM 87489 OFFICE: (505)334-0408		

BURLINGTON RESOURCES OIL & GAS COMPANY LP.
 SAN JUAN 27-5 UNIT 914 - 1486' FSL & 1768' FEL (SURFACE)
 1125' FSL & 2410' FEL (BOTTOM)
 SECTION 8, T-27-N, R-5-W, N.M.P.M., RIO ARriba COUNTY, N.M.
 GROUND ELEVATION: 6646 - DATE: JUNE 12, 2007

ELEVATION

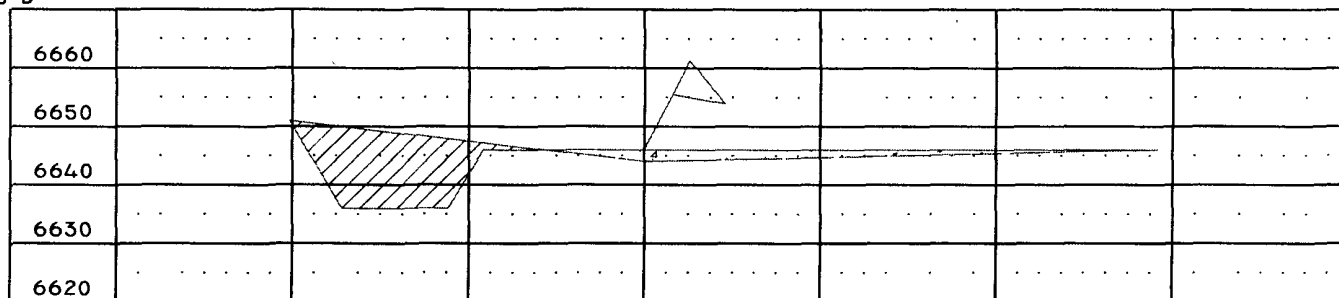
A-A'

£



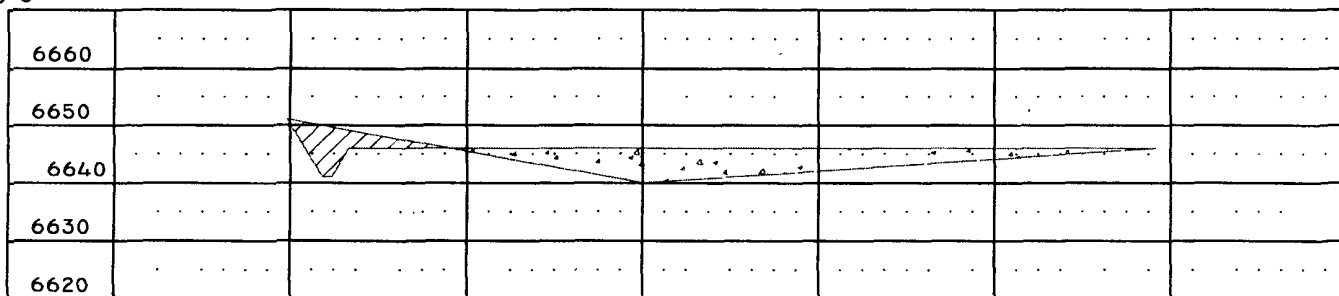
B-B'

£



C-C'

£



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: 6/12/07

REV. DATE:

APP. BY M.W.L.

DRAWN BY: H.S.

DATE DRAWN: 6/20/07

FILE NAME: 7690CD1



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