

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD SEP 19 '07
OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED SEP 05 2007 Bureau of Land Management Farmington Field Office	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	9. Well Number #915
4. Location of Well Surf: Unit J (NWSE), 1437' FSL & 1780' FEL BH: Unit P (SESE), 1115' FSL & 1050' FEL Surf: Latitude 36° 35.0622 N Longitude 107° 22.7019 W BH: Latitude 36° 35.0221 N Longitude 107° 22.5518 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) J Sec. 8, T27N, R5W API # 30-039-30346	
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 1050'	17. Acres Assigned to Well MV/DK 320 (E/2)	
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 52' from San Juan 27-5 Unit 914	
19. Proposed Depth 7876' TVD/7998' TMD	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6646' GL	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	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	

PERMIT NO. APPROVAL DATE
APPROVED BY [Signature] TITLE AFM DATE 9/17/07

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

HOLD ON FOR DIRECTORIAL SURVEY

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

NMOC

9-21-07

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

RECEIVED

SEP 05 2007

DISTRICT I
1626 N. French Dr., Hobbs, N.M. 88240

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

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

DISTRICT IV
1230 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

Bureau of Land Management
Farmington Field Office

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 30-039-30346	*Pool Code 71599/72319	*Pool Name Basin Dakota/Blanco Mesaverde
*Property Code 7454	*Property Name SAN JUAN 27-5 UNIT	*Well Number 915
*OGFD 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		1437	SOUTH	1780	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
P	8	27 N	5 W		1115	SOUTH	1050	EAST	RIO ARriba

*Dedicated Acres	*Joint or Infill	*Consolidation Code	*Order No.
320 E/2			

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 2646.33' ○ = SURFACE LOCATION ● = BOTTOM HOLE LOCATION USA SF-079391 SECTION 8 NAD 83 LAT: 36.583711° N LONG: 107.376465° W NAD 27 LAT: 36° 35.0221' N LONG: 107° 22.5518' W NAD 83 LAT: 36.584380° N LONG: 107.378967° W NAD 27 LAT: 36° 35.0622' N LONG: 107° 22.7019' W 1780' 1050' 1437' 1115' N 78°52'24" W 2690.16' S 83°29'20" W 2670.27'	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. <i>Kandis Roland</i> 7/13/07 Signature Date Kandis Roland 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. 6/12/07 Date of Survey Signature and Seal of Surveyor 17078 Certificate Number MARSHALL W. LINDEEN NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR
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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

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- 30340
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>1437'</u> feet from the <u>South</u> line and <u>1780'</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 #915
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>>1000</u> Pit Liner Thickness: <u>NA</u> mil Below-Grade Tank: <u>Volume</u> 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 Rhonda Rogers TITLE Regulatory Technician DATE 9-4-07

 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 SEP 21 2007

Conditions of Approval (if any):

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 915

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7188				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: 36.584371	Longitude: -107.378365	X:	Y:	Section: 08	Range: 005W		
Footage X: 1780 FEL	Footage Y: 1437 FSL	Elevation: 6646	(FT)	Township: 027N			
Tolerance:							
Location: Bottom Hole		Datum Code: NAD 27				Deviated	
Latitude: 36.583702	Longitude: -107.375863	X:	Y:	Section: 08	Range: 005W		
Footage X: 1050 FEL	Footage Y: 1115 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 856 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4032	2630	☐				
CHRA	4406	2256	☐				
UCLFH	5005	1657	☐			Gas	
MASSIVE CLIFF HOUSE	5102	1560	☐	702		Gas	
MENF	5266	1396	☐				
PTLK	5613	1049	☐				
MNCS	6121	541	☐				
GLLP	6797	-135	☐				
GRHN	7557	-895	☐				
GRRS	7618	-956	☐				
TWLS	7644	-982	☐	2600		Gas	
PAGU	7744	-1082	☐				
CBRO	7767	-1105	☐				
CBRL	7807	-1145	☐				
OAK CANYON	7876	-1214	☐			TD T/OKCN	

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-5 UNIT 915

DEVELOPMENT

TOTAL DEPTH DK	7876	-1214	☐	6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 566 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, MUDLOG 100' above GRHN to TD							

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

Comments: Location/Tops/Logging - MVNM027N005W08SE7 DKNM027N005W08SE7 SHL as twin with 70Y (&77 & 70M) with BHL at 1115' FSL & 1050' FEL. MUDLOG 100' above GRHN to TD

Zones - MVNM027N005W08SE7 DKNM027N005W08SE7

ConocoPhillips or its affiliates

Survey Report

Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well SJ 27-5 #915
Project:	San Juan Basin	TVD Reference:	WELL @ 65661.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	MD Reference:	WELL @ 65661.0ft (Original Well Elev)
Well:	SJ 27-5 #915	North Reference:	True
Wellbore:	SJ 27-5 #915	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	7,778.4	-322.0	730.0	797.9	0.00	0.00	0.00
7,928.6	0.00	0.00	7,807.0	-322.0	730.0	797.9	0.00	0.00	0.00
Lower Cubero									
7,997.6	0.00	0.00	7,876.0	-322.0	730.0	797.9	0.00	0.00	0.00
Oak Canyon - TD - SJ 27-5 #915 - PCP									

Targets

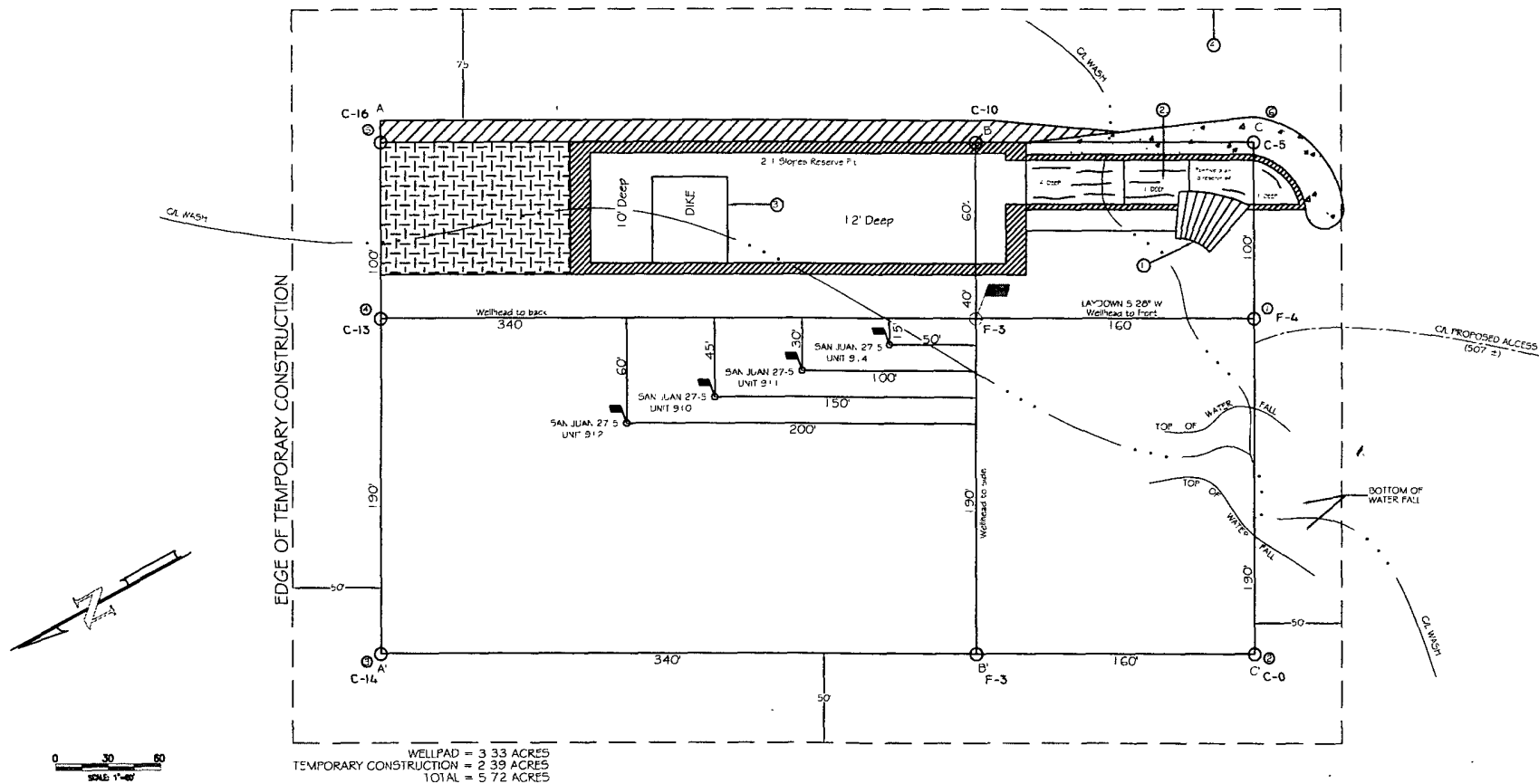
Target Name	hit/miss target	Dip Angle (d)	Dip Dir. (d)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
SJ 27-5 #915 - ICP	- plan hits target	0.00	0.00	3,723.0	-322.0	730.0	-101.35	221.12	30° 59' 21.325" N	109° 25' 35.708" W
SJ 27-5 #915 - PCP	- plan hits target	0.00	0.00	7,876.0	-322.0	730.0	-101.35	221.12	30° 59' 21.325" N	109° 25' 35.708" W

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)
2,877.3	2,766.0	Ojo Alamo		0.00	
3,040.7	2,925.0	Kirtland		0.00	
3,124.4	3,007.0	Fruitland		0.00	
3,566.4	3,445.0	Pictured Cliffs		0.00	
3,744.6	3,623.0	Lewis		0.00	
4,153.6	4,032.0	Huerf. Bent		0.00	
4,527.6	4,406.0	Chacra		0.00	
5,126.6	5,005.0	Upper Cliffhouse		0.00	
5,223.6	5,102.0	Mass Cliffhouse		0.00	
5,387.6	5,266.0	Menefee		0.00	
5,734.6	5,613.0	Pt. Lookout		0.00	
6,242.6	6,121.0	Mancos Shale		0.00	
6,918.6	6,797.0	Gallup		0.00	
7,678.6	7,557.0	Greenhorn		0.00	
7,739.6	7,618.0	Graneros		0.00	
7,765.6	7,644.0	Two Wells		0.00	
7,865.6	7,744.0	Paguate		0.00	
7,888.6	7,767.0	Upper Cubero		0.00	
7,928.6	7,807.0	Lower Cubero		0.00	
7,997.6	7,876.0	Oak Canyon		0.00	
7,997.6	7,876.0	TD		0.00	

Checked By _____	Approved By _____	Date: _____
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BURLINGTON RESOURCES OIL & GAS COMPANY LP.
SAN JUAN 27-5 UNIT 915 - 1437' FSL & 1780' FEL (SURFACE) - 1115' FSL & 1050' 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°35'06.22" N LONGITUDE 107°22'70.19" W NAD 27

NOTE
 GROUND ELEVATION BASED ON SAN JUAN 27-5 UNIT 915

PAD CONST. SPECS.

- 1) RAMP INTO PIT CONSTRUCTED FROM PAD GRADE INTO FLARE AREA AT 5% SLOPE
- 2) APPROXIMATE 13x75' PIT AREA UNED WITH 12 MIL 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/6 T-POST

NOTES

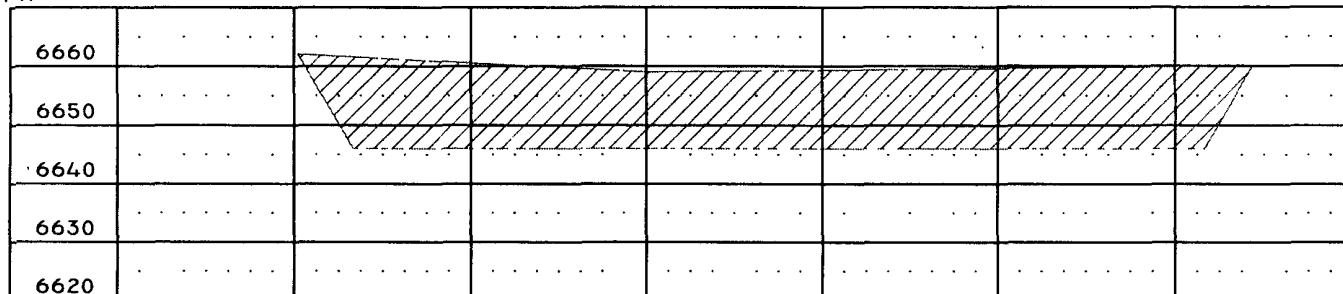
- 1) CONTRACTOR SHOULD CALL "ONE-CALL" FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELLPAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONST
- 2) UNITED FIELD SERVICES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES

SURVEYED: 6/12/07	REV. DATE:	APP. BY: M.W.L.
DRAWN BY: H.S.	DATE DRAWN: 6/21/07	FILE NAME: 7687L01
 UNITED FIELD SERVICES INC. P.O. BOX 3851 FARMINGTON, NM 87489 OFFICE: (505)334-0408		

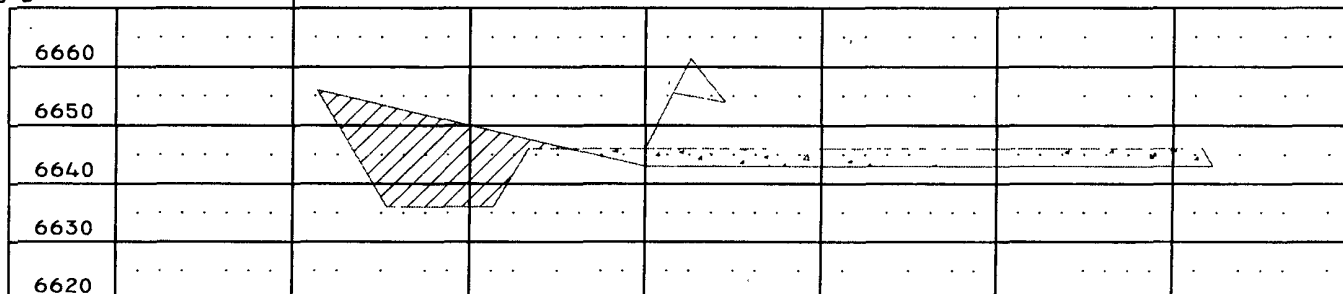
BURLINGTON RESOURCES OIL & GAS COMPANY LP.
 SAN JUAN 27-5 UNIT 915 - 1437' FSL & 1780' FEL (SURFACE)
 1115' FSL & 1050' FEL (BOTTOM)
 SECTION 8, T-27-N, R-5-W, N.M.P.M., RIO ARRIBA COUNTY, N.M.
 GROUND ELEVATION: 6646 - DATE: JUNE 12, 2007

ELEVATION

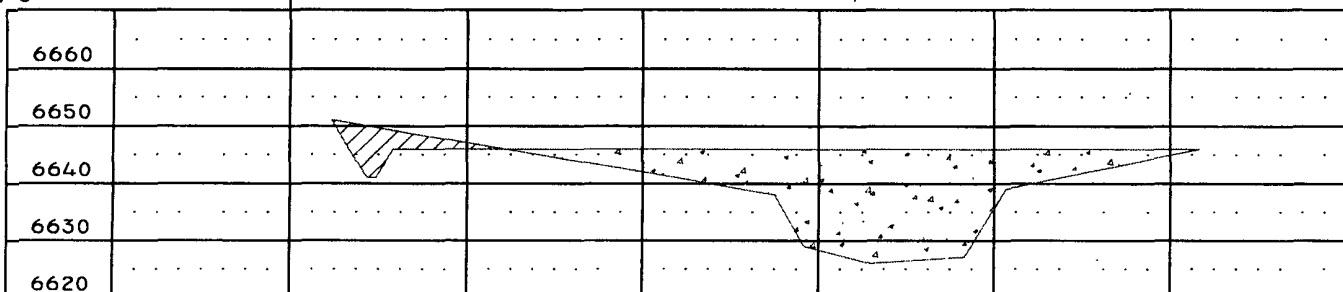
A-A'



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: 6/21/07

FILE NAME: 7687C01



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