

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	RECEIVED SEP 07 2007 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF-079391 Unit Reporting Number NMNM-78409B-MV NMNM-78409A-DK
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 #910
4. Location of Well Surf: Unit J(NWSE), 1586' FSL & 1745' FEL BH: Unit J(NWSE), 2710' FSL & 2350' FEL Surf: Latitude 36° 35.0875N Longitude 107° 22.6954 W BH: Latitude 36° 35.2626 N Longitude 107° 22.8231 W		10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) J Sec. 8, T27N, R5W API # 30-039-30351
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 1586'		
16. Acres in Lease 2 563.120	17. Acres Assigned to Well MV/DK 320 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 52' from San Juan 27-5 Unit 911		
19. Proposed Depth 7877' TVD/8155' TMD	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6646' 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)		9-6-07 Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 9/27/07

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

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

10-01-07
as

NMOC

PRIOR TO CASING & CEMENT

Notations subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

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

DISTRICT III
1000 Rio Brazos 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

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 30-039-30351		*Pool Code 71599/72319	*Pool Name Basin Dakota/Blanco Mesaverde
*Property Code 7454	*Property Name SAN JUAN 27-5 UNIT		*Well Number 910
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP.		*Elevation 6646

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
J	8	27 N	5 W		1586	SOUTH	1745	EAST	RIO ARriba

¹¹ Bottom Hole Location if Different From Surface

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
J	8	27 N	5 W		2710	SOUTH	2350	EAST	RIO ARriba

*Dedicated Acres 320E/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 NAD 83 LAT: 36.587720° N LONG: 107.380986° W NAD 27 LAT: 36° 35.2626' N LONG: 107° 22.8231' W		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 is 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	
RECEIVED SEP 07 2007 Bureau of Land Management Farmington Field Office SECTION 8 NAD 83 LAT: 36.584801° N LONG: 107.378858° W NAD 27 LAT: 36° 35.0875' N LONG: 107° 22.6954' 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 <i>Marshall W. Linden</i> 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- 30351

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

#910

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 J

:

1586'

feet from the

South

line and

1745'

feet from the

East

line

Section 8

Township 27N

Rng 5W

NMPM

County

Rio Arriba

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

6646'

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:

NA

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 ☐TEMPORARILY ABANDON ☐PULL OR ALTER CASING ☐PLUG AND ABANDON ☐CHANGE PLANS ☐MULTIPLE COMPL ☐

OTHER:

New Drill ☒

SUBSEQUENT REPORT OF:

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

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

TITLE

Deputy Oil & Gas Inspector,

District #3

DATE

OCT 0 1 2007

Conditions of Approval (if any):

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 910

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7148		AFE \$:	
Field Name: hBR_SAN JUAN 27-5 UNIT		Rig: Aztec Rig 730		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
R20002	MESAVERDE(R20002)				
R20076	DAKOTA(R20076)				
Location: Surface Datum Code: NAD 27 Deviated					
Latitude: 36.584792	Longitude: -107.378256	X:	Y:	Section: 08	Range: 005W
Footage X: 1745 FEL	Footage Y: 1586 FSL	Elevation: 6646	(FT)	Township: 027N	
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27 Deviated					
Latitude: 36.587711	Longitude: -107.380384	X:	Y:	Section: 08	Range: 005W
Footage X: 2350 FEL	Footage Y: 2710 FSL	Elevation:	(FT)	Township: 027N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2008		Completion Date:	
Formation Data: Assume KB = 6662		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6462	☐		
OJAM	2766	3896	☐		
KRLD	2925	3737	☐		
FRLD	3007	3655	☐		Possible Gas
PCCF	3445	3217	☐		
LEWS	3623	3039	☐		
Intermediate Casing	3723	2939	☐		
HUERFANITO BENTONITE	3978	2684	☐		
CHRA	4395	2267	☐		
UCLFH	5001	1661	☐		Gas
MASSIVE CLIFF HOUSE	5097	1565	☐	702	Gas
MENF	5257	1405	☐		
PTLK	5604	1058	☐		
MNCS	6066	596	☐		
GLLP	6808	-146	☐		
GRHN	7551	-889	☐		
GRRS	7611	-949	☐		
TWLS	7643	-981	☐	2600	Gas
PAGU	7743	-1081	☐		
CBRO	7763	-1101	☐		
CBRL	7807	-1145	☐		
OAK CANYON	7877	-1215	☐		TD T/OKCN

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-5 UNIT 910

DEVELOPMENT

TOTAL DEPTH DK	7877	-1215	☐	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 #112F	NW 8-7N-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 - MVNM027N005W08SE3; DKNM027N005W08SE3 SHL twin with #112 & BHL 2710' FSL & 2350' FEL., MUDLOG 100' above GRHN to TD

Zones - MVNM027N005W08SE3; DKNM027N005W08SE3

ConocoPhillips or its affiliates

Survey Report

Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well SJ 27-5 #910
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 #910	North Reference:	True
Wellbore:	SJ 27-5 #910	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM Central Planning

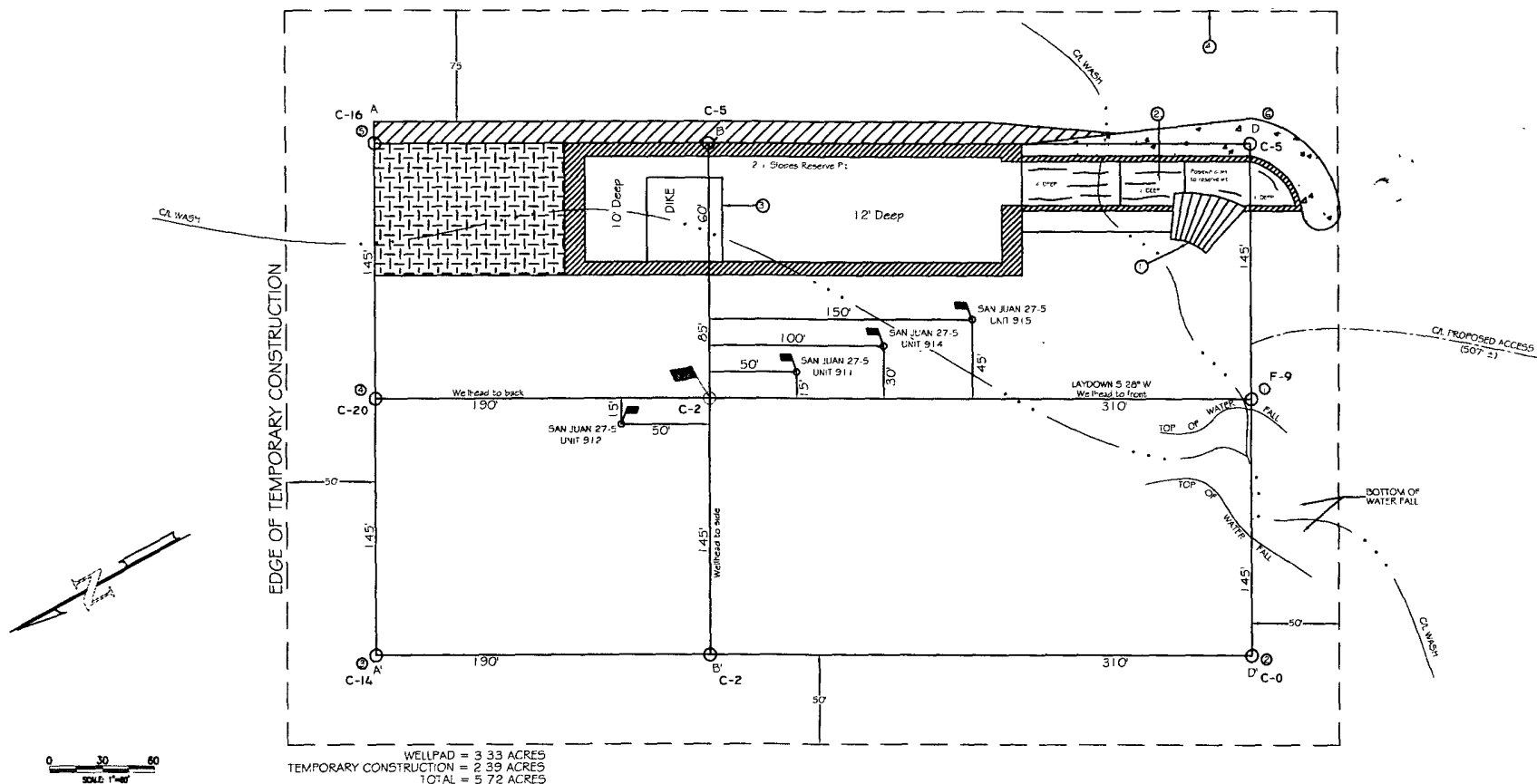
Planned Survey										
Measured Depth (ft)	Inclination (d)	Azimuth (d)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (d/100ft)	Build Rate (d/100ft)	Turn Rate (d/100ft)	
8,040.9	0.00	0.00	7,763.0	1,124.0	-605.0	1,276.5	0.00	0.00	0.00	
Upper Cubero										
8,084.9	0.00	0.00	7,807.0	1,124.0	-605.0	1,276.5	0.00	0.00	0.00	
Lower Cubero										
8,100.0	0.00	0.00	7,822.1	1,124.0	-605.0	1,276.5	0.00	0.00	0.00	
8,154.9	0.00	0.00	7,877.0	1,124.0	-605.0	1,276.5	0.00	0.00	0.00	
Oak Canyon - TD - SJ 27-5 #910 -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 #910 -PCP	- hit/miss target	0.00	0.00	7,877.0	1,124.0	-605.0	345.27	-179.51	30° 59' 35.637" N	109° 25' 51.044" W
	- plan hits target									
	- Point									
SJ 27-5 #910 - ICP	- hit/miss target	0.00	0.00	3,723.0	1,124.0	-605.0	345.27	-179.51	30° 59' 35.637" N	109° 25' 51.044" W
	- plan hits target									
	- Point									

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)	
2,999.4	2,766.0	Ojo Alamo		0.00		
3,177.6	2,925.0	Kirtland		0.00		
3,267.0	3,007.0	Fruitland		0.00		
3,721.9	3,445.0	Pictured Cliffs		0.00		
3,900.8	3,623.0	Lewis		0.00		
4,255.9	3,978.0	Huerf Bent.		0.00		
4,672.9	4,395.0	Chacra		0.00		
5,278.9	5,001.0	Upper Cliffhouse		0.00		
5,374.9	5,097.0	Mass Cliffhouse		0.00		
5,534.9	5,257.0	Menefee		0.00		
5,881.9	5,604.0	Pt. Lookout		0.00		
6,343.9	6,066.0	Mancos Shale		0.00		
7,085.9	6,808.0	Gallup		0.00		
7,828.9	7,551.0	Greenhorn		0.00		
7,888.9	7,611.0	Graneros		0.00		
7,920.9	7,643.0	Two Wells		0.00		
8,020.9	7,743.0	Paguate		0.00		
8,040.9	7,763.0	Upper Cubero		0.00		
8,084.9	7,807.0	Lower Cubero		0.00		
8,154.9	7,877.0	Oak Canyon		0.00		
8,154.9	7,877.0	TD		0.00		

Checked By: _____ Approved By: _____ Date: _____

BURLINGTON RESOURCES OIL & GAS COMPANY LP.
SAN JUAN 27-5 UNIT 910 - 1586' FSL & 1745' FEL (SURFACE) - 2710' FSL & 2350' 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



NOTE:
 GROUND ELEVATION BASED ON SAN JUAN 27-5 UNIT 910

PAD CONST. SPECS.

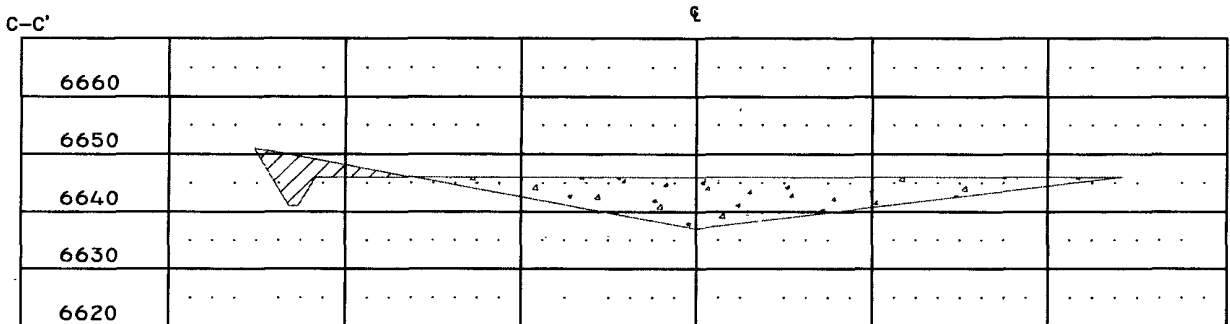
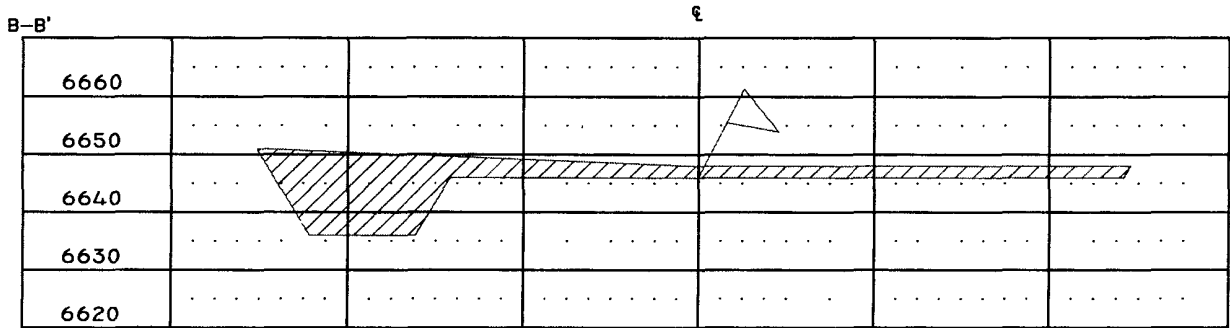
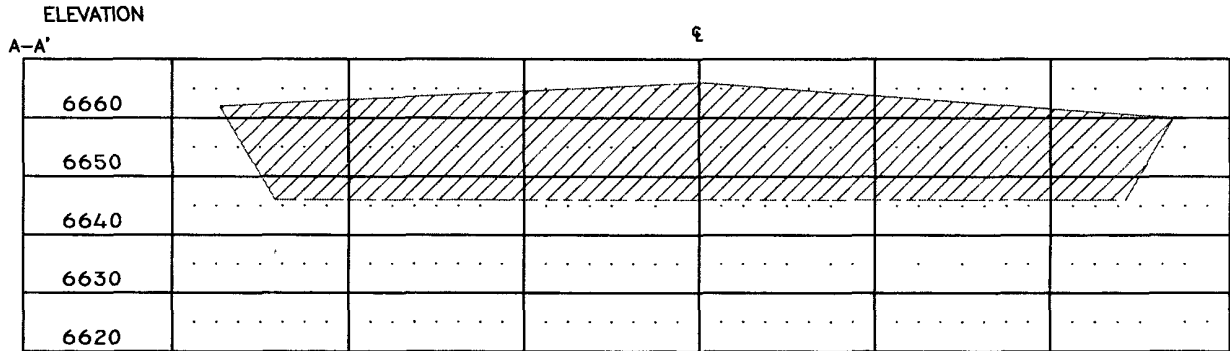
1. RAMP INTO PIT CONSTRUCTED FROM PAD GRADE INTO FLARE AREA AT 5% SLOPE
2. APPROXIMATE 13x75' PIT AREA LINED WITH 1/2 MIL. POLYURETHANE
3. RESERVE PIT DIKE TO BE 6' ABOVE DEEP SIDE (OVERFLOW) 3' WIDE AND 1' ABOVE SHALLOW SIDE
4. EDGE OF TEMPORARY CONSTRUCTION DEFINED IN FIELD W/ T-POST

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: 6/15/07	FILE NAME: 7700L01
		
P.O. BOX 3651 FARMINGTON, NM 87489 OFFICE: (505)334-0408		

BURLINGTON RESOURCES OIL & GAS COMPANY LP.
 SAN JUAN 27-5 UNIT 910 - 1586' FSL & 1745' FEL (SURFACE)
 2710' FSL & 2350' 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



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: 6/15/07

FILE NAME: 7700C01



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