

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 06 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 #912
4. Location of Well Surf: Unit J(NWSE), 1635' FSL & 1733' FEL BH: Unit I(NESE), 2610' FSL & 1150' FEL Surf: Latitude 36° 35.0959 N Longitude 107° 22.6932 W BH: Latitude 36° 35.2677 N Longitude 107° 22.5779 W		10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) J Sec. 8, T27N, R5W API # 30-039- 30348
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 1150'		
16. Acres in Lease	17. Acres Assigned to Well MV/DK 320 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 52' from San Juan 27-5 Unit 910		
19. Proposed Depth 7890' TVD/8107' 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 9-6-07 Date	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <i>Rhonda Rogers</i> Rhonda Rogers (Regulatory Technician)		

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY *D. Mantley* TITLE *APM* 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".

NMOCD

HOLD 0104 FOR

OCT 01 2007

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT
as drilled plan (E-102)
in accordance with the pilot test case
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

RECEIVED

SEP 06 2007

DISTRICT I
1636 N. French Dr., Hobbs, N.M. 88240
DISTRICT II
1801 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

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

¹ API Number 30-039-30348	² Pool Code 71599/72319	³ Pool Name Basin Dakota/ Blanco Mesaverde
⁴ Property Code 7454	⁵ Property Name SAN JUAN 27-5 UNIT	
⁶ OGRIID No. 14538	⁷ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP.	⁸ Well Number 912
		⁹ Elevation 6646

¹⁰ Surface Location

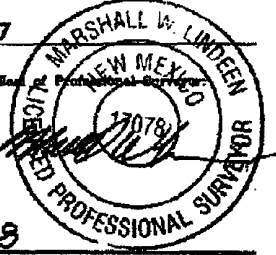
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	8	27 N	5 W		1635	SOUTH	1733	EAST	RIO ARriba

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
I	8	27 N	5 W		2610	SOUTH	1150	EAST	RIO ARriba

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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		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 Kandis Roland Printed Name	
SECTION 8 NAD 83 LAT: 36.584941° N LONG: 107.378821° W NAD 27 LAT: 36° 35.2677' N LONG: 107° 22.5779' 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 <i>[Signature]</i> Signature and Seal of Professional Surveyor  17078 Certificate Number	
2616.10' N 0°23'21" W N 0°35'07" W N 78°52'24" W	2690.16' S 83°29'20" W	1150' 1733' 2610' 2670.27'	5280.18' NAD 83 LAT: 36.587804° N LONG: 107.376901° W NAD 27 LAT: 36° 35.2677' N LONG: 107° 22.5779' W

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- 30348

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

#912

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 : 1635' feet from the South line and 1733' feet from the East lineSection 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

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

Deputy Oil & Gas Inspector,
District #3

APPROVED BY

TITLE

DATE

OCT 01 2007

Conditions of Approval (if any):

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 912

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7190				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 Deviated							
Latitude: 36.584932	Longitude: -107.378219	X:	Y:	Section: 08		Range: 005W	
Footage X: 1733 FEL	Footage Y: 1635 FSL	Elevation: 6646	(FT)	Township: 027N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Deviated							
Latitude: 36.587795	Longitude: -107.376299	X:	Y:	Section: 08		Range: 005W	
Footage X: 1150 FEL	Footage Y: 2610 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 877 cuft. Circulate cement to surface.	
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	7555	-893	☐				
GRRS	7617	-955	☐				
TWLS	7646	-984	☐	2600		Gas	
PAGU	7749	-1087	☐				
CBRO	7771	-1109	☐				
CBRL	7812	-1150	☐				
OAK CANYON	7882	-1220	☐				

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-5 UNIT 912

DEVELOPMENT

ENCINAL	7890	-1228	☐	TD T/ENCN
TOTAL DEPTH DK	7890	-1228	☐	6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 567 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
----------------	-----------	----------

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 - MVNM0278N005W08SE5 DKNM0278N005W08SE5 SHL as twin with 70F and BHL at 2610' FSL & 1150' FEL.
MUDLOG 100' above GRHN to TD

Zones - MVNM0278N005W08SE5 DKNM0278N005W08SE5

ConocoPhillips or its affiliates

Survey Report

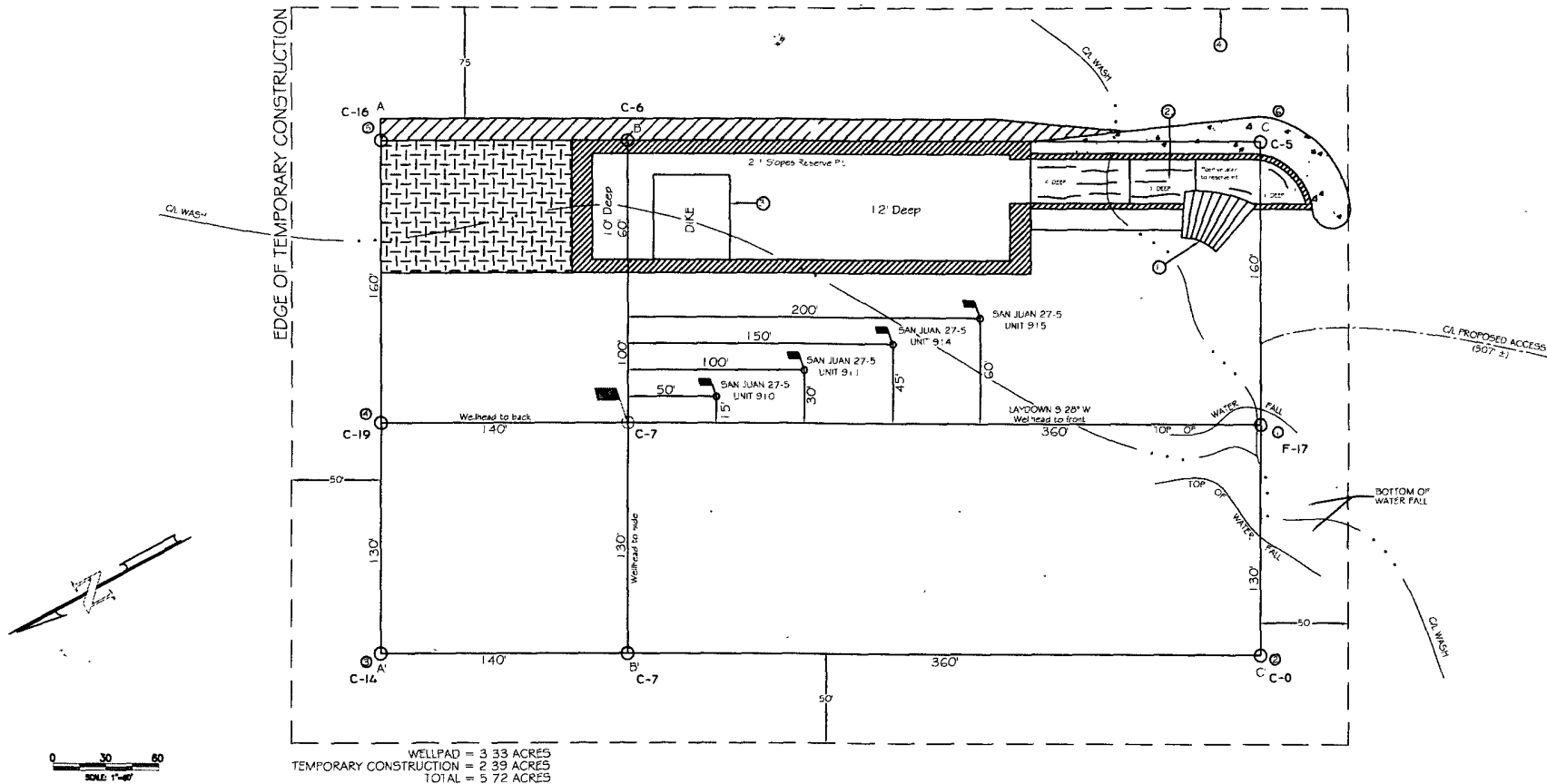
Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well SJ 27-5 #912
Project:	San Juan Basin	TVD Reference:	WELL @ 6661.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	MD Reference:	WELL @ 6661.0ft (Original Well Elev)
Well:	SJ 27-5 #912	North Reference:	True
Wellbore:	SJ 27-5 #912	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM Central Planning

Targets									
Target Name	hit/miss target	Dip Angle	Dip Dir	TVD	+N/-S	+E/-W	Northing	Easting	
Shape		(d)	(d)	(ft)	ft	ft	(m)	(m)	Latitude Longitude
SJ 27-5 #912 - ICP		0 00	0 00	3,723.0	975.0	583.0	294.66	181.98	30° 59' 34.162" N 109° 25' 37.396" W
- plan hits target									
- Point									
SJ 27-5 #912		0.00	0 00	7,890.0	975.0	583.0	294.66	181.98	30° 59' 34.162" N 109° 25' 37.396" W
- plan hits target									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(d)	(d)	
2,942.8	2,766.0	Ojo Alamo		0 00		
3,116.7	2,925.0	Kirtland		0 00		
3,205.9	3,007.0	Fruitland		0 00		
3,660.8	3,445.0	Pictured Cliffs		0 00		
3,839.8	3,623.0	Lewis		0 00		
4,194.8	3,978.0	Huerf. Bent.		0 00		
4,611.8	4,395.0	Chacra		0 00		
5,217.8	5,001.0	Upper Cliffhouse		0.00		
5,313.8	5,097.0	Mass. Cliffhouse		0 00		
5,473.8	5,257.0	Menefee		0 00		
5,820.8	5,604.0	Pt Lookout		0 00		
6,282.8	6,066.0	Mancos Shale		0 00		
7,024.8	6,808.0	Gallup		0 00		
7,771.8	7,555.0	Greenhorn		0.00		
7,833.8	7,617.0	Graneros		0 00		
7,862.8	7,646.0	Two Wells		0 00		
7,965.8	7,749.0	Paguate		0 00		
7,987.8	7,771.0	Upper Cubero		0 00		
8,028.8	7,812.0	Lower Cubero		0 00		
8,098.8	7,882.0	Oak Canyon		0 00		
8,106.8	7,890.0	TD		0 00		

Checked By: _____ Approved By: _____ Date: _____

BURLINGTON RESOURCES OIL & GAS COMPANY LP.
SAN JUAN 27-5 UNIT 912 - 1635' FSL & 1733' FEL (SURFACE) - 2610' FSL & 1150' 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°35'09.5" N LONGITUDE: 107°22'6.932" W NAD 27

NOTE:
 GROUND ELEVATION BASED ON SAN JUAN 27-5 UNIT 912.

PAD CONST. SPECS.

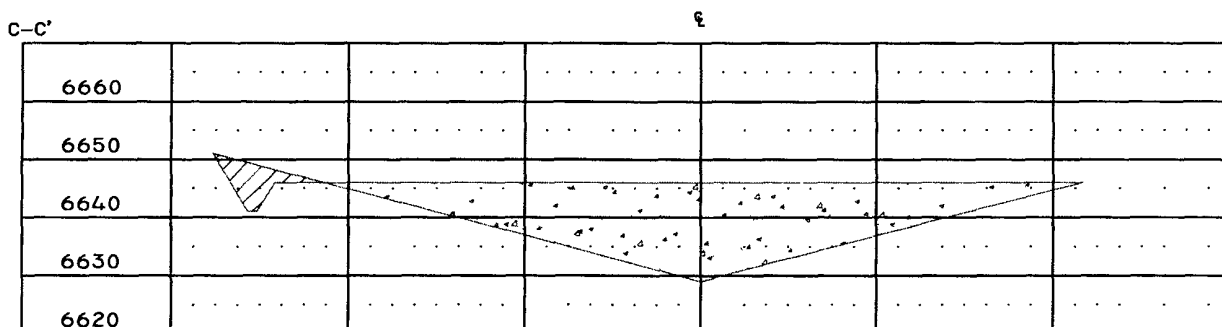
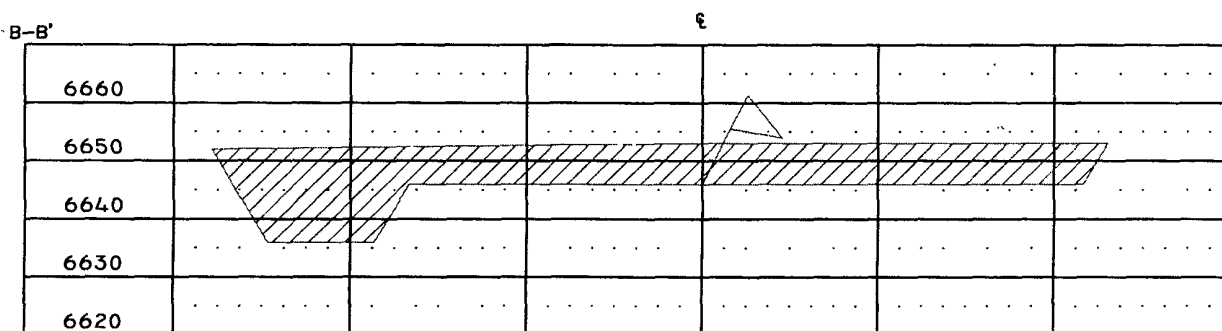
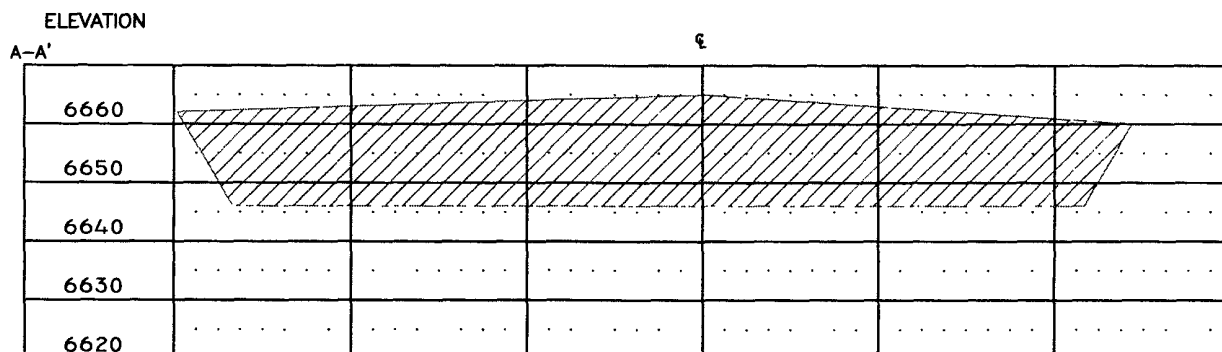
1. RAMP INTO PIT CONSTRUCTED FROM PAD GRADE INTO HARE AREA AT 5% SLOPE
2. APPROXIMATE 13x75' PIT AREA LINED WITH 12 MIL. POLYURETHANE
3. RESERVE PIT DIKE TO BE 8" ABOVE DEEP SIDE (OVERFLOW-3" WIDE AND 1" ABOVE SHALLOW SIDE)
4. EDGE OF TEMPORARY CONSTRUCTION DEFINED IN FIELD W/6 T-POSTS

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: 7702L01
		
P.O. BOX 3651 FARMINGTON, NM 87409 OFFICE: (505)334-0408		

BURLINGTON RESOURCES OIL & GAS COMPANY LP.
 SAN JUAN 27-5 UNIT 912 - 1635' FSL & 1733' FEL (SURFACE)
 2610' FSL & 1150' 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: 6/20/07

FILE NAME: 7702C01



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