

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD AUG 27 '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 NMNM-784098-MV NMNM-784099-DK	
1b. Type of Well GAS	6. If Indian, All. or Tribe NM	
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 #908	
4. Location of Well Surf: Unit L(NWSW), 1852' FSL & 984' FWL BH: Unit K(NESW), 2605' FSL & 1590' FWL Surf: Latitude 36° 35.1753 N Longitude 107° 23.2154 W BH: Latitude 36° 35.2819 N Longitude 107° 23.0924 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 8, T27N, R5W API # 30-039-30306	
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 1705'	SEE ATTACHED FOR CONDITIONS OF APPROVAL	
16. Acres in Lease	17. Acres Assigned to Well MV/DK 320 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 52' from San Juan 27-5 Unit #112		
19. Proposed Depth 7814' TVD/7971' TMD	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6605' 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)	7-31-07 Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE ATM DATE 8/27/07

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

NOTIFY AZTEC OGD 24 HRS.
PRIOR TO CASING & CEMENT

OPERATOR

8-30-07
aw

RCVD AUG 27 '07

OIL CONS. DIV.

DIST. 3

207 AUG -1 PM 3:43

DISTRICT I
1025 N. French Dr., Hobbs, N.M. 88240
DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210
DISTRICT III
1308 Rio Arriba Rd., Hobbs, N.M. 88240
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 Santa Fe Francis Dr.
Santa Fe, N.M. 87505

RECEIVED

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 30-039-30300	*Pool Code 7599/72319	*Pool Name Basin Dakota/Blanco Mesaverde
*Property Code 7454	*Property Name SAM JUAN 27-3 UNIT	*Well Number 908
*GCRRI No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP.	*Elevation 6605

Surface Location

BL or lot no.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County
L	8	27 N	5 W		1852	SOUTH	984	WEST	RIO ARriba

Bottom Hole Location If Different From Surface

BL or lot no.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County
K	8	27 N	5 W		2605	SOUTH	1590	WEST	RIO ARriba
*Dedicated Acres: 320 W/2									
*Consolidation Code: 000000									

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 8 30°47'05" E 2646.33' USA SP-079393		3208.18' 0 = SURFACE LOCATION □ = BOTTOM HOLE LOCATION		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 otherwise retains interest in the land underlying 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 previously entered by the State. <i>Kandis Roland</i> 11/21/07 Signature Date Kandis Roland Printed Name	
NAD 83 LAT: 36.085204° N LONG: 107.367526° W NAD 27 LAT: 36° 36.1733' N LONG: 107° 25.2154' W		SECTION 8 NAD 83 LAT: 36.568040° N LONG: 107.388475° W NAD 27 LAT: 36° 35.2819' N LONG: 107° 25.0625' 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 this is true and correct to the best of my belief. 5/14/07 Date of Survey Signature and Seal of Professional Surveyor MARSHALL W. LINDEN 17078 PROFESSIONAL SURVEYOR	
2616.10' 984' N 0°25'21" W N 0°25'07" W N 78°52'20" W		2640.16' 2670.27' S 93°19'20" W		17078 Guideline Number	

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Las Alamos, NM 87131

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

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 APINO 30-039- 30306
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 # USA SF-079393
3. Address of Operator 2401 E. 20TH STREET, FARMINGTON, NM 87402		7. Lease Name or Unit Agreement Name San Juan 27-5 Unit
4. Well Location Unit Letter <u>L</u> <u>1852'</u> feet from the <u>South</u> line and <u>984'</u> feet from the <u>West</u> line Section <u>3</u> Township <u>17N</u> Range <u>5W</u> NMPM County <u>Rio Arriba</u>		8. Well Number #908
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6605'		9. CGRID Number 14538
Pit or Below-grade Tank Application ☐ or Closure ☐		10. Pool name or Wildcat Basin 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>12</u> mil Below-Grade Tank Volume <u> </u> bbls Construction Material <u> </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. ☐

SUBSEQUENT REPORT OF:

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

OTHER: New Drill ☒ OTHER ☐

13. Describe proposed or completed operations. (Check, by 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, Liner

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 Erosphere'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 comply with that portion will be lined as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedures 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/syn be constructed or closed according to NMOCD guidelines ☐ or an attached alternative OC D-approved plan ☐.

SIGNATURE Rhonda Rogers TITLE Regulatory Technician DATE 7-30-07

Type or print name Rhonda Rogers E-mail address rhonda.rogers@nmoed.com Telephone No. 505-599-4018

For State Use Only

APPROVED BY [Signature] Deputy Oil & Gas Inspector, DATE AUG 30 2007

Conditions of Approval None

District #3

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 908

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7149				AFE \$:	
Field Name: hBR SAN JUAN 27-5 UNIT		Rig: Aztec Riq 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: 36.586191		Longitude: -107.386924		X:	Y:	Section: 08	Range: 005W
Footage X: 984 FWL		Footage Y: 1852 FSL		Elevation: 6605 (FT)		Township: 027N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Deviated							
Latitude: 36.588031		Longitude: -107.384873		X:	Y:	Section: 08	Range: 005W
Footage X: 1590 FWL		Footage Y: 2603 FSL		Elevation: (FT)		Township: 027N	
Tolerance: 2603'							
Location Type: Restricted		Start Date (Est.):		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6621 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6421	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 203 cuft. Circulate cement to surface.	
OJAM	2719	3902	☐				
KRLD	2893	3728	☐				
FRLD	2970	3651	☐			Possible Gas	
PCCF	3395	3226	☐				
LEWS	3572	3049	☐				
Intermediate Casing	3672	2949	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 853 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3943	2678	☐				
CHRA	4404	2217	☐				
UCLFH	4961	1660	☐			Gas	
MASSIVE CLIFF HOUSE	5070	1551	☐	702		Gas	
MENF	5228	1393	☐				
PTLK	5566	1055	☐				
MNCS	6068	553	☐				
GLLP	6750	-129	☐				
GRHN	7506	-885	☐				
GRRS	7560	-939	☐				
TWLS	7590	-969	☐	2600		Gas	
PAGU	7692	-1071	☐				
CBRO	7716	-1095	☐				
CBRL	7756	-1135	☐				
OAK CANYON	7814	-1193	☐			TD T/OKCN	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 908

DEVELOPMENT 10.5

TOTAL DEPTH DK 7814 -1193 ☐

6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing.
Cement with 564 cuft. Circulate cement a minimum of 100'
inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	27-5 #63	SW 8-27N-5W
Production	27-4 #112	SW 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 - MVNM027N005W08SW3; DKNM027N005W08SW2a SHL twin with #112 with 8HL at 2605' FSL & 1590' FWL.
MUDLOG 100' above GRHN to TD

Zones - MVNM027N005W08SW3; DKNM027N005W08SW2a

ConocoPhillips

Survey Report

Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well SJ 27-5 #908
Project:	San Juan Basin	TVD Reference:	WELL @ 6620.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	MD Reference:	WELL @ 6620.0ft (Original Well Elev)
Well:	SJ 27-5 #908	North Reference:	True
Wellbore:	SJ 27-5 #908	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	7,742.8	753.0	606.0	966.6	0.00	0.00	0.00
7,913.2	0.00	0.00	7,756.0	753.0	606.0	966.6	0.00	0.00	0.00
Lower Cubero									
7,971.2	0.00	0.00	7,814.0	753.0	606.0	966.6	0.00	0.00	0.00

Oak Canyon - TD - SJ 27-5 #908 - PCP

Targets

Target Name	Shape	Dip Angle (d)	Dip Dir (d)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
SJ 27-5 #908 - PCP	- plan hits target	0.00	0.00	7,814.0	753.0	606.0	226.89	188.02	30° 59' 31.965" N	109° 25' 37.132" W
- Point										
SJ 27-5 #908 - ICP	- plan hits target	0.00	0.00	3,672.0	753.0	606.0	226.89	188.02	30° 59' 31.965" N	109° 25' 37.132" W
- Point										

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)
2,843.3	2,719.0	Ojo Alamo		0.00	
3,028.6	2,893.0	Kirtland		0.00	
3,110.5	2,970.0	Fruitland		0.00	
3,551.2	3,395.0	Pictured Cliffs		0.00	
3,729.1	3,572.0	Lewis		0.00	
4,100.2	3,943.0	Huerf. Bent.		0.00	
4,561.2	4,404.0	Chacra		0.00	
5,118.2	4,961.0	Upper Cliffhouse		0.00	
5,227.2	5,070.0	Mass Cliffhouse		0.00	
5,385.2	5,228.0	Menefee		0.00	
5,723.2	5,566.0	Pt. Lookout		0.00	
6,225.2	6,068.0	Mancos Shale		0.00	
6,907.2	6,750.0	Gallup		0.00	
7,663.2	7,506.0	Greenhorn		0.00	
7,717.2	7,560.0	Graneros		0.00	
7,747.2	7,590.0	Two Wells		0.00	
7,849.2	7,692.0	Paguate		0.00	
7,873.2	7,716.0	Upper Cubero		0.00	
7,913.2	7,756.0	Lower Cubero		0.00	
7,971.2	7,814.0	Oak Canyon		0.00	
7,971.2	7,814.0	TD		0.00	

Checked By: _____

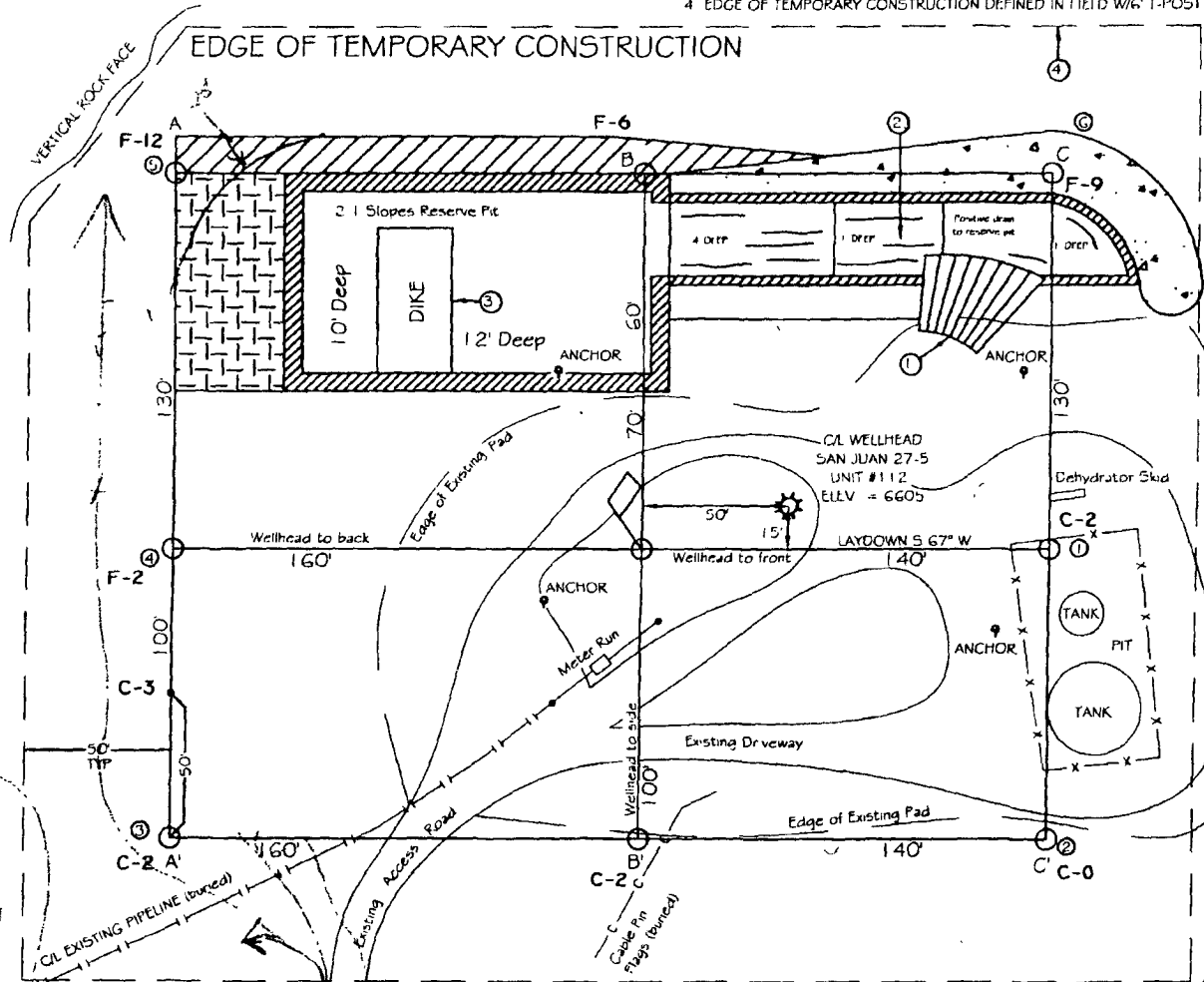
Approved By: _____

Date: _____

BURLINGTON RESOURCES OIL & GAS COMPANY LP.
 SAN JUAN 27-5 UNIT 908 - 1852' FSL & 984' FWL (SURFACE)
 2605' FSL & 1590' FWL (BOTTOM)
 SECTION 8, T-27-N, R-5-W, N.M.P.M., RIO ARriba COUNTY, N.M.
 GROUND ELEVATION: 6605 - DATE: MAY 14, 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 6" ABOVE DEEP SIDE (OVERFLOW)
- 3' WIDE AND 1' ABOVE SHALLOW SIDE
4. EDGE OF TEMPORARY CONSTRUCTION DEFINED IN FIELD W/6" T-POST



EXISTING DISTURBANCE = 1.00 ACRES = (0.95 Acres within the Temp. Const. Disturbance & 0.05 Acres outside the Temp. Const. Disturbance)
 WELLPAD = 0.63 ACRES
 TEMPORARY CONSTRUCTION = 1.41 ACRES
 TOTAL = 3.04 ACRES

LATITUDE: 36°35' 1753" N LONGITUDE: 107°23' 2154" W NAD 27

0 30 60
 SCALE: 1"=60'

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: 5/14/07

REV. DATE:

APP. BY: M.W.L.

DRAWN BY: H.S.

DATE DRAWN: 6/01/07

FILE NAME: 7891L01

UNITED
 FIELD SERVICES INC.

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

BURLINGTON RESOURCES OIL & GAS COMPANY LP.
 SAN JUAN 27-5 UNIT 908 - 1852' FSL & 984' FWL (SURFACE)
 2605' FSL & 1590' FWL (BOTTOM)
 SECTION 8, T-27-N, R-5-W, N.M.P.M., RIO ARriba COUNTY, N.M.
 GROUND ELEVATION: 6605 - DATE: MAY 14, 2007

ELEVATION

A-A'

ε

6620						
6610						
6600						
6590						
6580						

B-B'

ε

6620						
6610						
6600						
6590						
6580						

C-C'

ε

6620						
6610						
6600						
6590						
6580						

1" = 60' - HORIZ.
 1" = 30' - VERT.

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: 5/14/07

REV. DATE:

APP. BY M.W.L.

DRAWN BY: H.S.

DATE DRAWN: 6/01/07

FILE NAME: 7691C01

UNITED
 FIELD SERVICES INC.

P.O. BOX 3651
 FARMINGTON, NM 87488
 OFFICE: (505)334-0408