

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 03 2008

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.	5. Lease Number USA SF-078200-B Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe RCVD JUN 24 '08
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP		7. Unit Agreement Name OIL CONS. DIV. DIST. 3
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Riddle B 9. Well Number #222S
4. Location of Well Unit C (NENW), 877' FNL & 1542' FWL, Latitude 36.802443'N Longitude 107.857241'W		10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 23, T30N, R10W API # 30-045- 34732
14. Distance in Miles from Nearest Town 8 miles from Aztec, NM		12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 877'		
16. Acres in Lease 949.760 acres		17. Acres Assigned to Well 315.56 W/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 54' from Riddle B 223 3-A		
19. Proposed Depth 3149'		20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6328' GL		22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	 H₂S POTENTIAL EXIST	
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler, Regulatory Technician		<u>6-2-08</u> 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 2

Bond Numbers NMB-000015 and NMB-000089

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

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

JUN 30 2008 NMOCD

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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 LAND

RECEIVED

DISTRICT I
1635 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
JUN 03 2008 Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Farmington Field Office Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-24732		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 7427	*Property Name RIDDLE B		*Well Number 222S
*OGRD No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP.		*Elevation 6328

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
C	23	30 N	10 W	3	877	NORTH	1542	WEST	SAN JUAN

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
C									

*Dedicated Acres 315.56 (W/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 N 89°53'31" E 2635.24' LOT 4 1542'	2586.20' 877' LOT 3 NAD 83 LAT: 36.802443° N LONG: 107.857261° W	N 89°50'22" E LOT 2	2585.56' LOT 1	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. Signature: Crystal Walker Date: 3/3/08 Printed Name: Crystal Walker 3-3-08
N 12°59' E LOT 5 USA SF-078200-B	LOT 6 NAD 27 LAT: 36°48.1463' N LONG: 107°51.3973' W	LOT 7	LOT 8 S 0°26'15" 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. Date of Survey: 1/31/08 Signature and Seal of Professional Surveyor: MARSHALL W. LINDEN LICENSE NO. 2-28-08 17078 Certificate Number: 17078
2629.48' LOT 12	LOT 11	LOT 10	LOT 9 2637.45'	
N 1°11'20" E LOT 13 N 89°58'47" W	LOT 14 2618.86'	LOT 15 N 89°58'19" W	LOT 16 2621.00' S 0°28'55" W	

COMPANY

BURLINGTON RESOURCES

Charge Code

WAN.CDR.7439

WELL NAME

RIDDLE B # 222 S

DATE

2/29/2008

DUAL WELL

WELL NAME

RIDDLE B 3 A

TRIPLE WELL

WELL NAME

RIDDLE B 11 E

WELL NAME

RIDDLE B 11 N

COORDINATES

SEC

TNSHP

RANGE

LATITUDE

LONGITUDE

C 23

30 N

10 W

36 48.1463 N

107 51.3973 W

COUNTY

SAN JUAN

RECTIFIER

SIZE

NEEDED

EXISTING

1 PHASE

3 PHASE

60/30

X

30/20

SOLAR

X

GROUND BED240 V METER POLE480 V METER POLED C CABLES

8

500 FT

A C CABLESPRIMARY POWER

1 MILE

CITY FMT

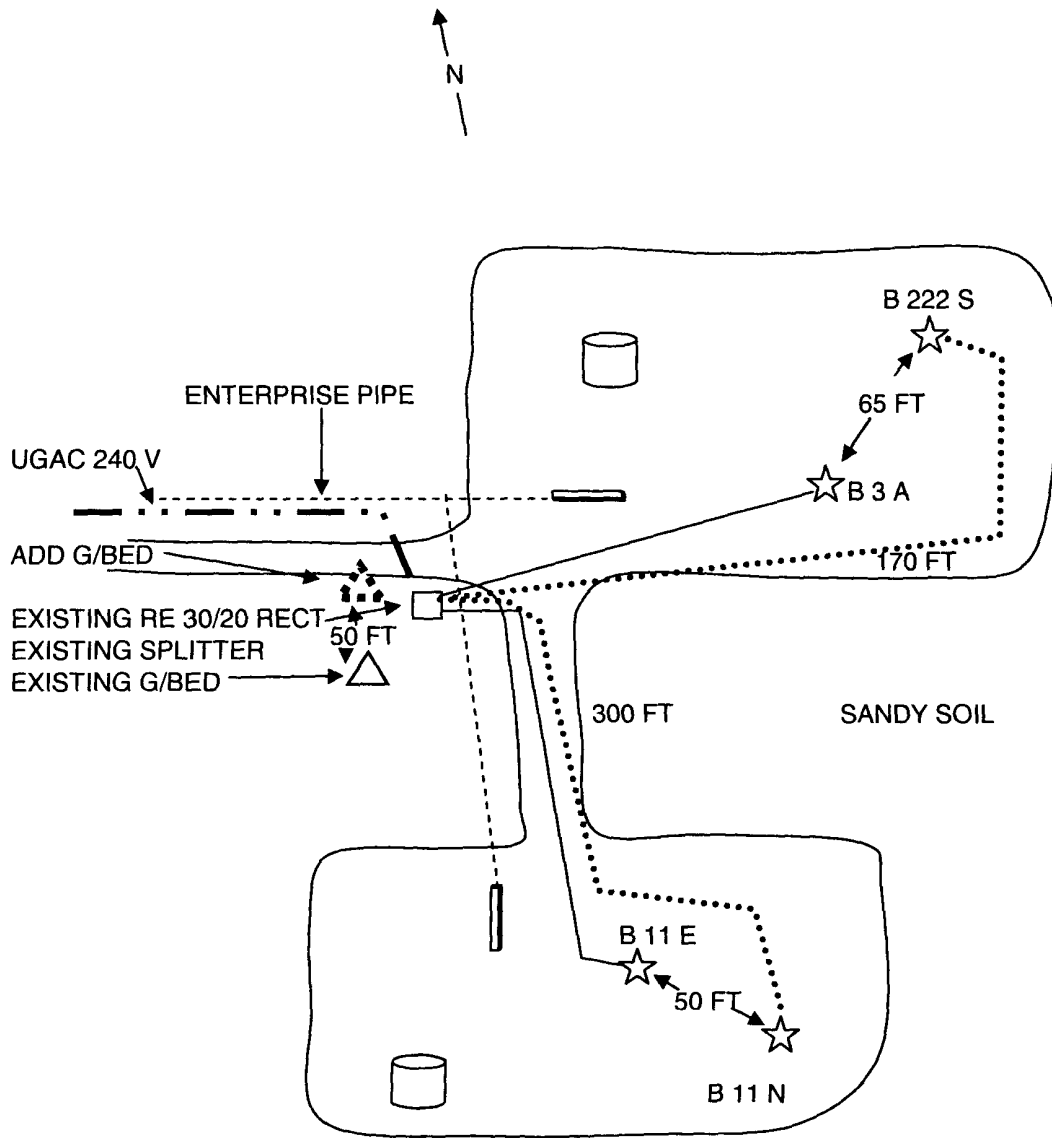
DISTANCE TO POWERUNDERGROUNDPUMPJACKWATER PUMP**COMMENTS**

UPGRADE RECTIFIER TO 60/30 - INSTALL NEW G/BED -

INSTALL NEG CABLES TO NEW WELLS - SANDY SOIL

2 NEW PROPOSED WELLS

WELL NAME	RIDDLE B 222 S
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TANK	SEP OR DEHY	SOLAR	METER POLE	PUMP JACK	GND/BED EXISTING CABLE
					
RECT	PIT	WELL	proposed solar/gb	PROPOSED CABLE	POWER LINE
					
			FOREIGN PL		CONOCO PL
					

BURLINGTON RESOURCES OIL & GAS COMPANY LP.

RIDDLE B 222S

877' FNL & 1542' FWL

LATITUDE: 36.802443° N

LONGITUDE: 107.857241° W

NAD 83

SECTION 23, T-30-N, R-10-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

**FROM THE INTERSECTION OF U.S. HIGHWAY 550 AND N.M. HIGHWAY 173 IN
AZTEC, NEW MEXICO.**

PROCEED EASTERLY 7.5 MILES ON N.M. HIGHWAY 173; TURN LEFT.

PROCEED NORTHERLY 0.3 MILE; TURN RIGHT.

PROCEED EASTERLY 0.2 MILE TO EXISTING RIDDLE B 3A WELL PAD.

PROPOSED SITE IS LOCATED ON RIDDLE B 3A WELLPAD.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

RIDDLE B 222S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7439		AFE \$: 281,806.61	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Clark, Dave D		Phone: +1 505-326-9762	Prod. Engineer:		Phone:
Res. Engineer: Akwari, Bill N		Phone: +1 505-599-4076	Proj. Field Lead:		Phone:

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface Datum Code: NAD 27 Straight Hole

Latitude: 36.802439	Longitude: -107.856622	X:	Y:	Section: 23	Range: 010W
Footage X: 1542 FWL	Footage Y: 877 FNL	Elevation: 6328 (FT)	Township: 030N		

Tolerance:

Location Type: Start Date (Est.): 1/1/2008 Completion Date: Date In Operation:

Formation Data: Assume KB = 6340 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6220	☐			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	1680	4660	☐			
KIRTLAND	1766	4574	☐			
FRUITLAND	2513	3827	☐	500	Gas	
FRUITLAND COAL	2653	3687	☐			
PICTURED CLIFFS	2949	3391	☐		Gas	
Total Depth	3149	3191	☐			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 484 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
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Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

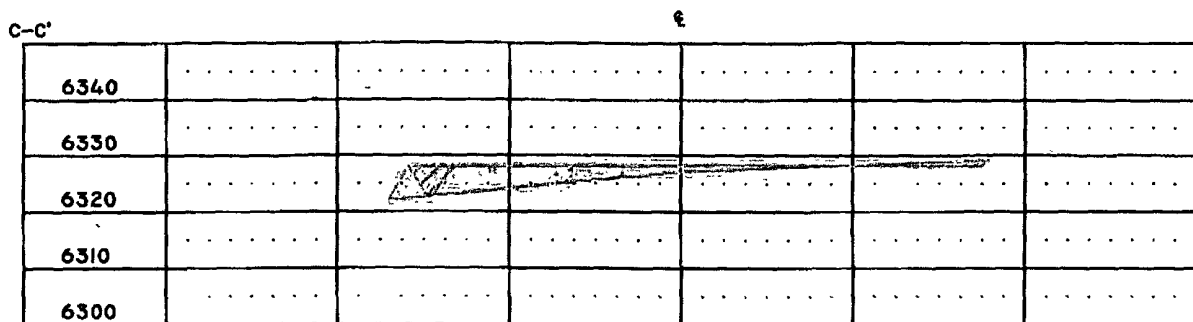
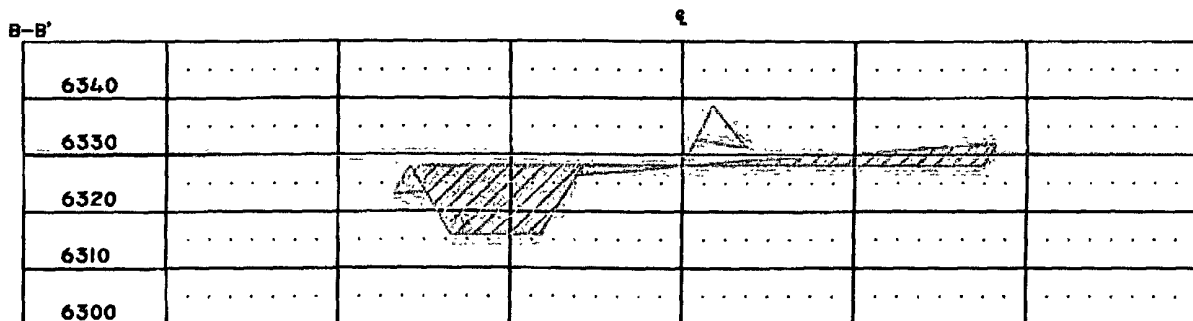
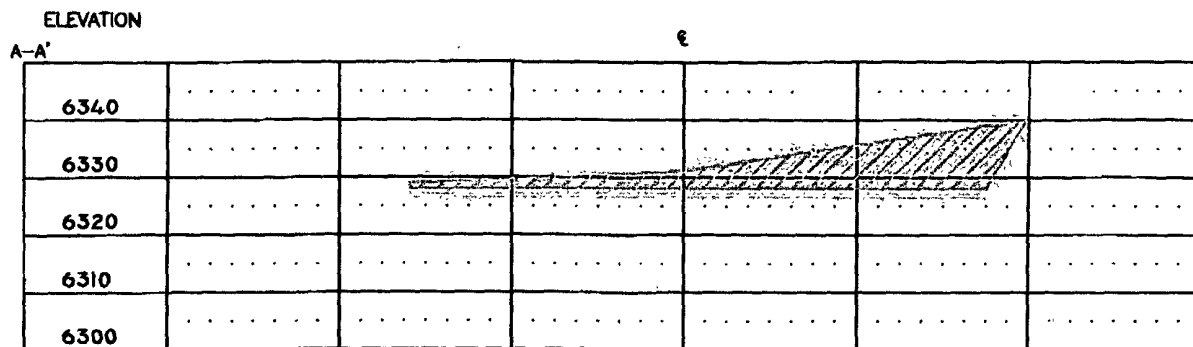
TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR_CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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BURLINGTON RESOURCES OIL & GAS COMPANY LP.
RIDDLE B 2225 - 877' FNL & 1542' FWL
SECTION 23, T-30-N, R-10-W, N.M.P.M., SAN JUAN COUNTY, N.M.
GROUND ELEVATION: 6328 - DATE: JANUARY 31, 2008



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: 1/31/08

REV. DATE:

APP. BY M.W.L.

DRAWN BY: H.S.

DATE DRAWN: 2/14/08

FILE NAME: 8145C01



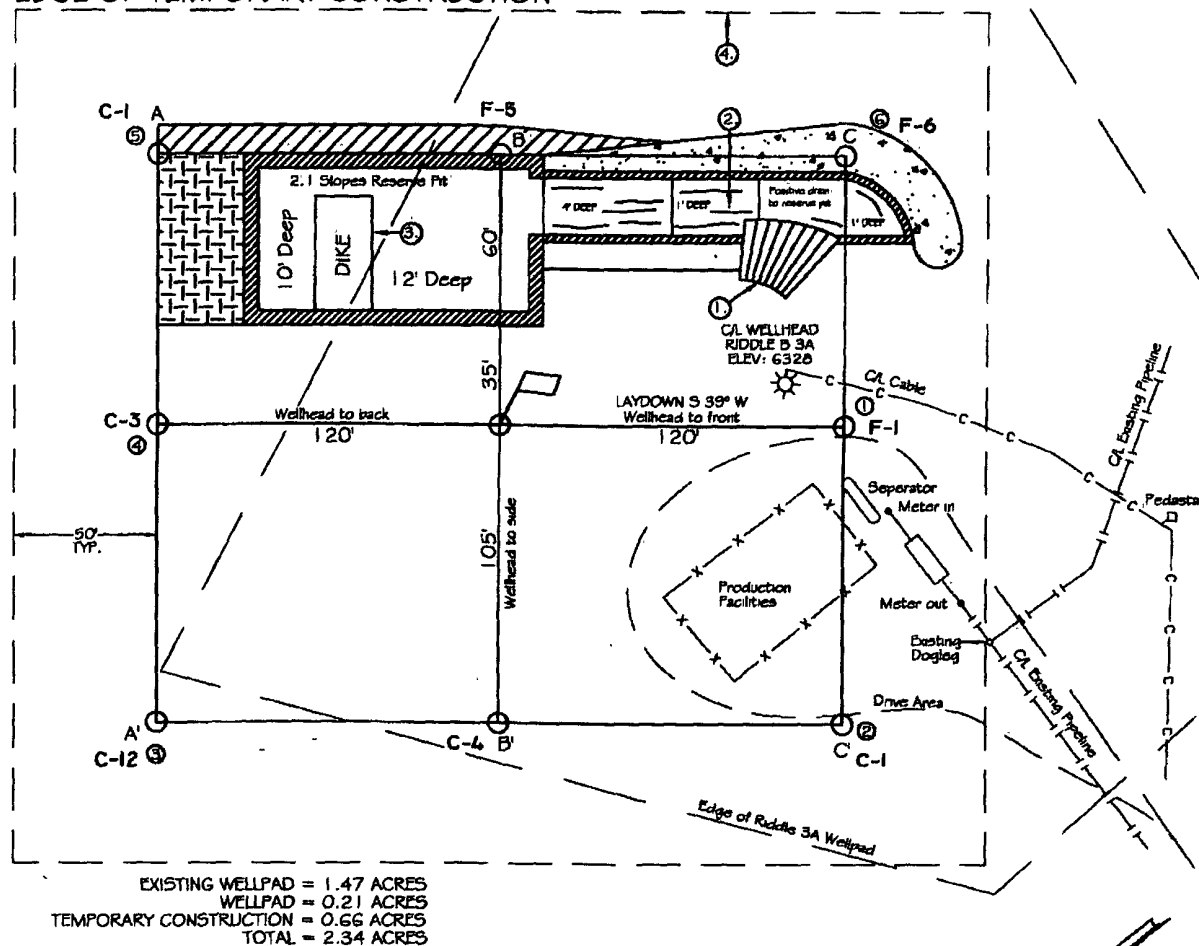
P.O. BOX 3851
FARMINGTON, NM 87499
OFFICE: (505)334-0408

BURLINGTON RESOURCES OIL & GAS COMPANY LP.
RIDDLE B 2225 - 877' FNL & 1542' FWL
SECTION 23, T-30-N, R-10-W, N.M.P.M., SAN JUAN COUNTY, N.M.
GROUND ELEVATION: 6328 - DATE: JANUARY 31, 2008

PAD CONST. SPECS:

1. RAMP INTO PIT CONSTRUCTED FROM PAD GRADE INTO FLARE AREA AT 5% SLOPE
2. APPROXIMATE 13475' PIT AREA LINED WITH 12 MIL POLYLINER
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-POST

EDGE OF TEMPORARY CONSTRUCTION



LATITUDE: 36°48.1463' N LONGITUDE: 107°51.3973' W NAD 27

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