

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD APR 11 '08

OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED MAR 28 2008 Bureau of Land Management Farmington Field Office	5. Lease Number USA NM-0048571 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	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Fogelson 9 9. Well Number #100S	
4. Location of Well Surf: Unit C (NENW), 1035' FNL & 1745' FWL Surf: Latitude 36.74454° N Longitude 108.00010° W	10. Field, Pool, Wildcat Basin FC/Aztec, PC 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 9, T29N, R11W API # 30-045-34671	
14. Distance in Miles from Nearest Town 4 miles/Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1035'		
16. Acres in Lease 280.00	17. Acres Assigned to Well PC - 160 (NW/4) FC - 320 (N/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 870' from Fogelson 9 #1 - (P&A) DK		
19. Proposed Depth 2137'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5713' GR	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 3-27-08	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	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

NMOCDB

APR 14 2008

AV

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

DISTRICT I
1625 W. French Dr., Hobbs, N.M. 88240

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

DISTRICT III
1000 Rio Branca Rd., Aztec, N.M. 87410

DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

MAR 28 2008

☐ AMENDED REPORT

Bureau of Land Management

Edmonton Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 34671	² Pool Code 72359/71629	³ Pool Name AZTEC PICTURED CLIFFS/RASIN FRUITLAND COAL
⁴ Property Code 37103	⁵ Property Name FOGELSON 9	⁶ Well Number 100S
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 5713

¹⁰ Surface Location

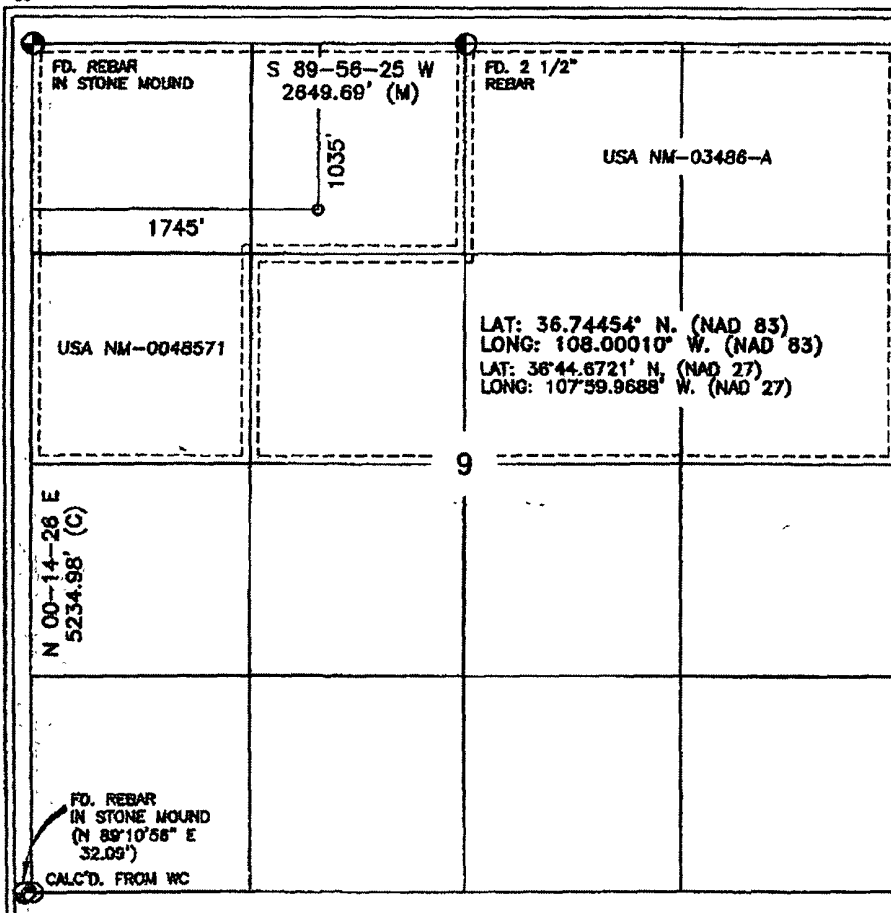
UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
C	9	29-N	11-W		1035	NORTH	1745	WEST	SAN JUAN

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
C									
¹² Dedicated Acres PC - 160 acres (NW/4) PC - 320 acres (N/2)			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

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



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.

Crystal Walker 3/27/08
Signature Date
Crystal Walker 3-27-08
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.

NOVEMBER 24 2007
Date of Survey
Signature and Seal of Registered Surveyor
Certificate Number

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.

30-045- 34671

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

USA NM-0048571

7. Lease Name or Unit Agreement Name

Fogelson 9

8. Well Number

100S

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco Pictured Cliffs/Basin Fruitland Coal

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 C : 1035' feet from the North line and 1745' feet from the West line
Section 9 Township 29N Rng 11W NMPM County San Juan

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

5713' GR

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

>200

<1000

Pit Liner Thickness:

12

mil

Below-Grade Tank:

Volume

4400

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.

New Drill, Lined:

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 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 manage fluids and that portion will be lined 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

3/19/2008

Type or print name

Crystal Walker

E-mail address:

crystal.walker@conocoPhillips.com

Telephone No.

505-326-9837

For State Use Only

APPROVED BY

TITLE

Deputy Oil & Gas Inspector

DATE

APR 14 2008

Conditions of Approval (if any):

District #3

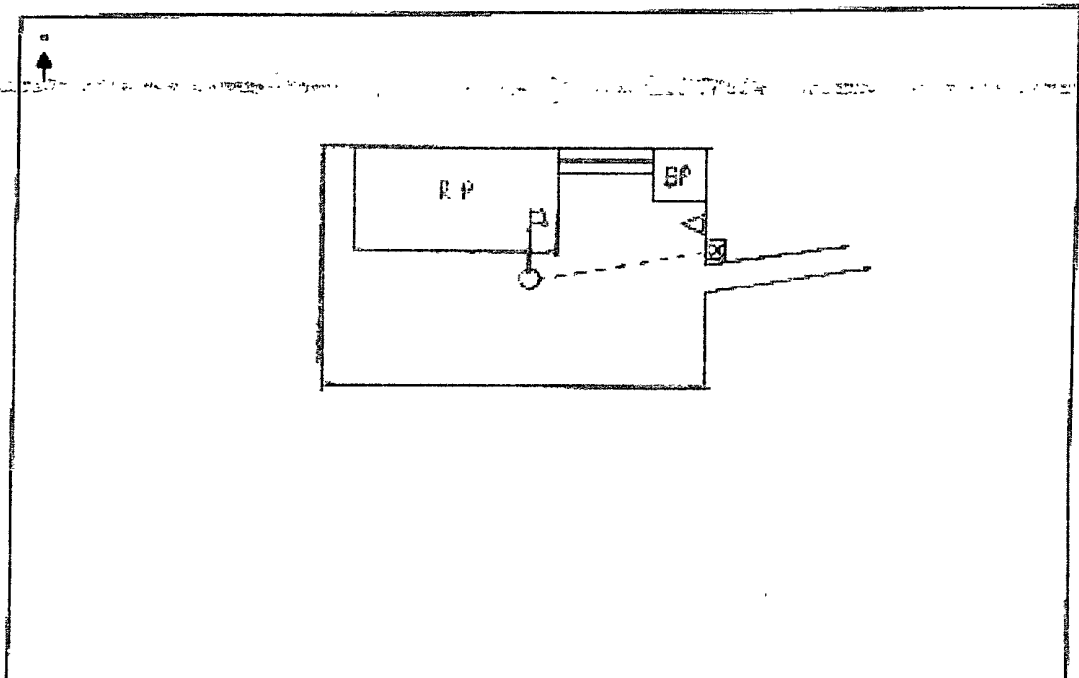


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Fogelson #1008 LEGALS 1-9-29-11 COUNTY San Juan

PURPOSED C.P. SYSTEM: Drill GP and set a well with an NE anode in the well. Trace anode 100' at 10' spacing from proposed well to anode



UNITS OF WELLHEAD	WELL HEAD	W.E.	POWER SOURCE	CABLE	WELL WEL	ANODE CABLE

COMMENTS:

NEAREST POWER SOURCE N/A DISTANCE:

PIPELINES IN AREA: N/A

TECHNICIAN: Michael J. Hines DATE: 12/8/07

6 CR 5412 BLOOMFIELD, N.M. 87413
OFFICE: 505-634-0271 CELL: 505-793-6953

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

FOGELSON 9 100S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7307		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Clark, Dave D		Phone: 505-326-9762		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):

Zone	Zone Name
UPL	BLANCO PICTURED CLIFFS
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.744535	Longitude: -107.999477	X:	Y:	Section: 09	Range: 011W
Footage X: 1745 FWL		Footage Y: 1035 FNL		Elevation: 5713 (FT)	Township: 029N
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 5725	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	5605	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	623	5102	<input type="checkbox"/>			
KIRTLAND	733	4992	<input type="checkbox"/>			
FRUITLAND	1573	4152	<input type="checkbox"/>	400	Gas	
FRUITLAND COAL	1703	4022	<input type="checkbox"/>			
PICTURED CLIFFS	1937	3788	<input type="checkbox"/>		Gas	
Total Depth	2137	3588	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 328 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Intermediate	Fogelson 9-1	

Logging Program:

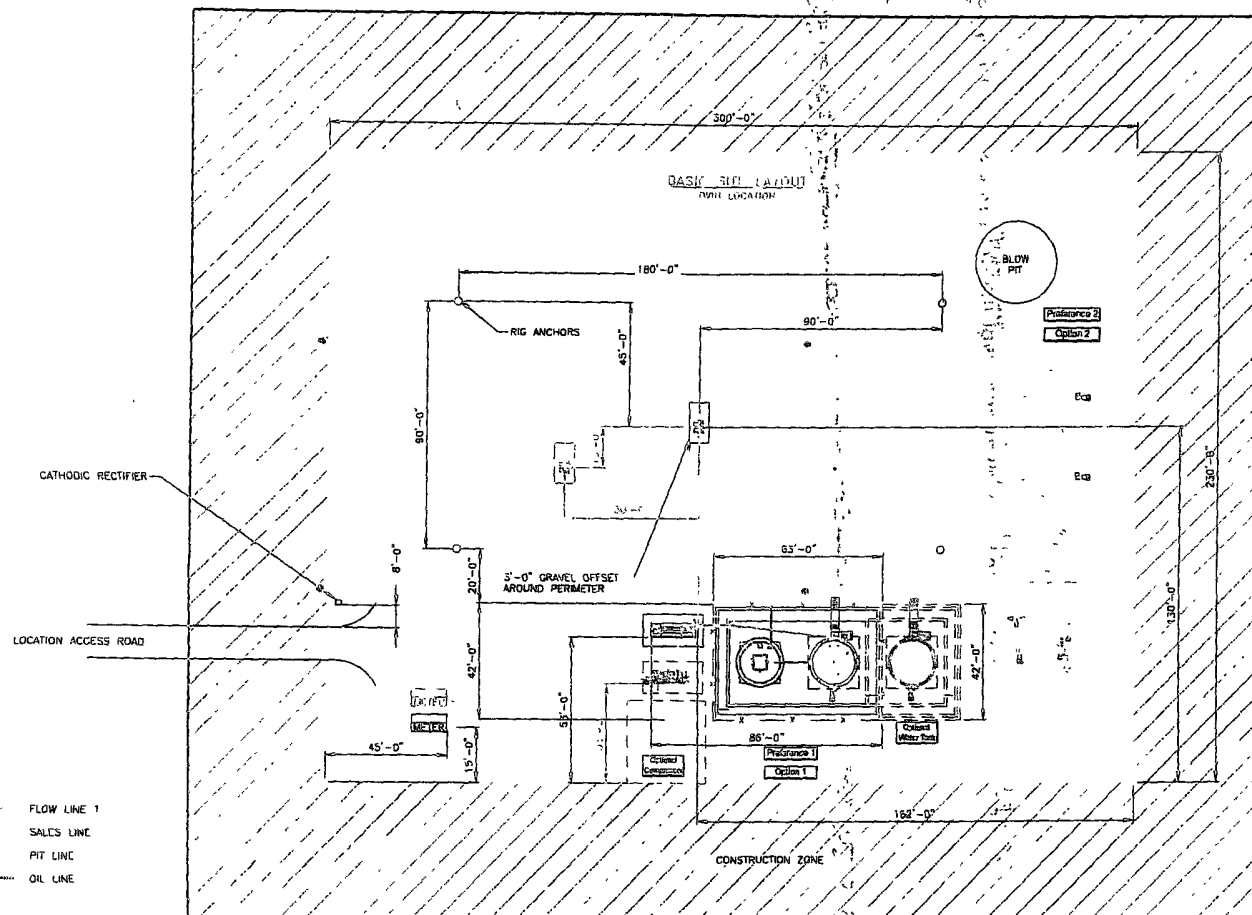
Intermediate Logs:	<input type="checkbox"/> Log only if show	<input type="checkbox"/> GR/ILD	<input type="checkbox"/> Triple Combo
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TD Logs:	<input type="checkbox"/> Triple Combo	<input type="checkbox"/> Dipmeter	<input type="checkbox"/> RFT	<input type="checkbox"/> Sonic	<input type="checkbox"/> VSP	<input checked="" type="checkbox"/> TDT	<input type="checkbox"/> Other
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Full Suite of Logs: Run PEX from TD to minimum footage to identify coal versus sand in Fruitland.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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SEE SHEET 3.1.1 FOR PIPING DETAILS
ALL UNDERGROUND PIPING IS TO BE BURIED 2' MIN. OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS			CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT		
										DISCIPLINE	REVIEWED	DATE	NO.	DESCRIPTION		CenocoPhillips		
										PROCESS								
										MECHANICAL								
										PIPING								
										ELECTRICAL								
										I & C					SAN JUAN BUSINESS UNIT			
										CONTROL/INSTRUMENTAL								
															CLIENT NO. _____ CLIENT APPR. _____ APPR. DATE _____			
															SHEET NO. _____ CHECKED DATE 6/20/07			
															HP3PHASE-REV1			
															1 of 5			


GROUND ELEVATION: 5713, DATE: NOVEMBER 9, 2007

LAT. = 36°44.6721' N.
LONG. = 107°59.9688' W.



CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

ESTIMATED VOLUMES CALCULATED BY AVERAGE
END AREA AT CROSS-SECTION SHOWN


REVISION:	DATE:	REVISED BY:
 <p>Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 510 Farmington, NM 87499 Phone (505) 326-1772 • Fax (505) 326-6019 NEW MEXICO L.S. 8894</p>		
DRAWN BY: G.V.	CADDLE: BR697_PL3	
NOV: BR697	DATE: 11/28/07	

FOGELSON 9 No. 100S, 1035 FNL 1745 FWL
SECTION 9, T-29-N, R-11-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 5713, DATE: NOVEMBER 9, 2007

NAD 83
LAT. = 36.74454° N
LONG. = 108.00010° W

NAD 27
LAT. = 36°44.6721' N
LONG. = 107°59.9688' W


ELEV.	A-A'	C/L
5720		
5710		
5700		
5690		

ELEV. B-B'	C/L
5720	
5710	
5700	
5690	

ELEV. C-C'	C/L
5720	
5710	
5700	
5690	

DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. UTILITY NOTIFICATION CENTER OF COLORADO TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

SEARCHED	DATE	INDEXED BY
 <p>Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 510 • Farmington, NM 87489 Phone (505) 326-1772 • Fax (505) 326-6019 NEW MEXICO L.S. 8894</p>		
DRIVEN BY G.V.	CAPFILE BR697-CF8	
PLP# BR697	DATE: 11/29/07	