

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-080781 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 Cain 9. Well Number #7258
4. Location of Well Unit C (NENW), 755' FNL & 715' FWL, Latitude 36° 41.2393 N Longitude 107° 49.5159 W Lot 7	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 31, T29N, R9W API # 30-045-34158
14. Distance in Miles from Nearest Town 13 miles/Bloomfield	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 715'	
16. Acres in Lease	17. Acres Assigned to Well FC - 251.72 - (N/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 50' Cain #22	
19. Proposed Depth 2227'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5708' 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)	<u>2-6-07</u> Date

PERMIT NO. APPROVAL DATE
APPROVED BY [Signature] TITLE AFM DATE 3/23/07

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.

Type 2- See Master Plan

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

NOTIFY AZTEC OCD
IN TIME TO WITNESS

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

3/28/07

NMOCD

District I
1625 N. French Dr., Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr. 348
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 34158		*Pool Code 71629	*Pool Name Basin Fruitland Coal
*Property Code 18487	*Property Name CAIN		*Well Number 7255
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 5708'

10 Surface Location

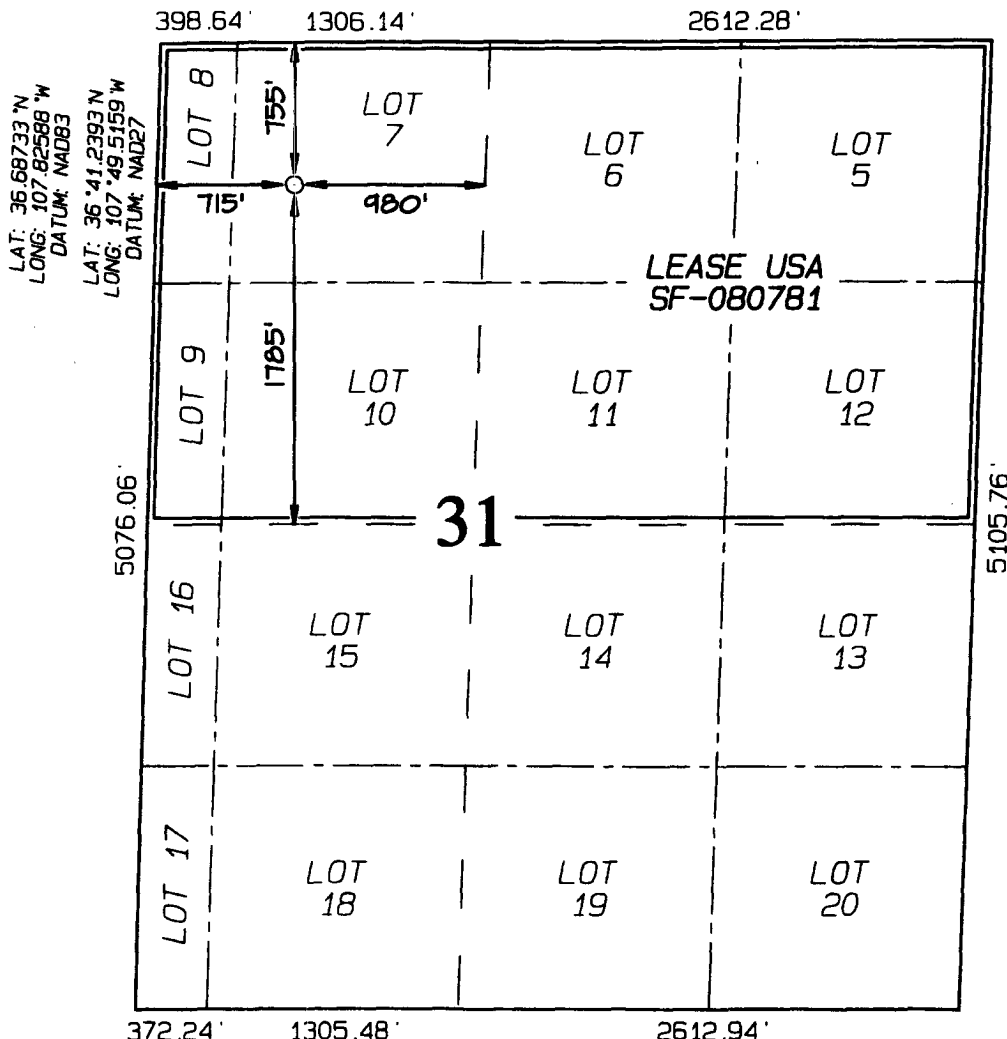
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	31	29N	9W	(7)	755	NORTH	715	WEST	SAN JUAN

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								RCVD MAR27'07	

*Dedicated Acres 251.720 acres N2	*Joint or Infill	*Consolidation Code	*Order No. OIL CONS. DIV. DIST. 3
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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



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.

Tracey N. Monroe
Signature Date
Tracey N. Monroe
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.

Survey Date: NOVEMBER 22, 2006

Signature and Seal of Professional Surveyor



Jason C. Edwards
Certificate Number 15269

Submit 3 Copies To Appropriate District Office

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

State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-045- 34158

5. Indicate Type of Lease

STATE ☐

FEE ☐

6. State Oil & Gas Lease No.

SF-080781

7. Lease Name or Unit Agreement Name

Cain

8. Well Number

#725S

9. OGRID Number

14538

10. Pool name or Wildcat

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

:

755'

feet from the

North

line and

715'

feet from the

West

line

Section 31

:

Township

29N

Rng

9W

NMPM

County

San Juan

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

5708'

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:

12

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 ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPL ☐

OTHER:

New Drill

☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

P AND A ☐

CASING/CEMENT JOB ☐

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 and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit will be a lined pit 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

Kandis Roland

TITLE

Regulatory Technician

DATE

1/30/2007

Type or print name

Kandis Roland

E-mail address:

kburns@br-inc.com

Telephone No.

505-326-9701

For State Use Only

APPROVED BY

[Signature]

TITLE

DEPUTY OIL & GAS INSPECTOR, D.S.T.

DATE

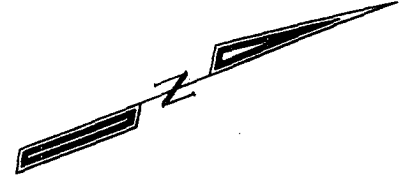
MAR 28 2007

Conditions of Approval (if any):

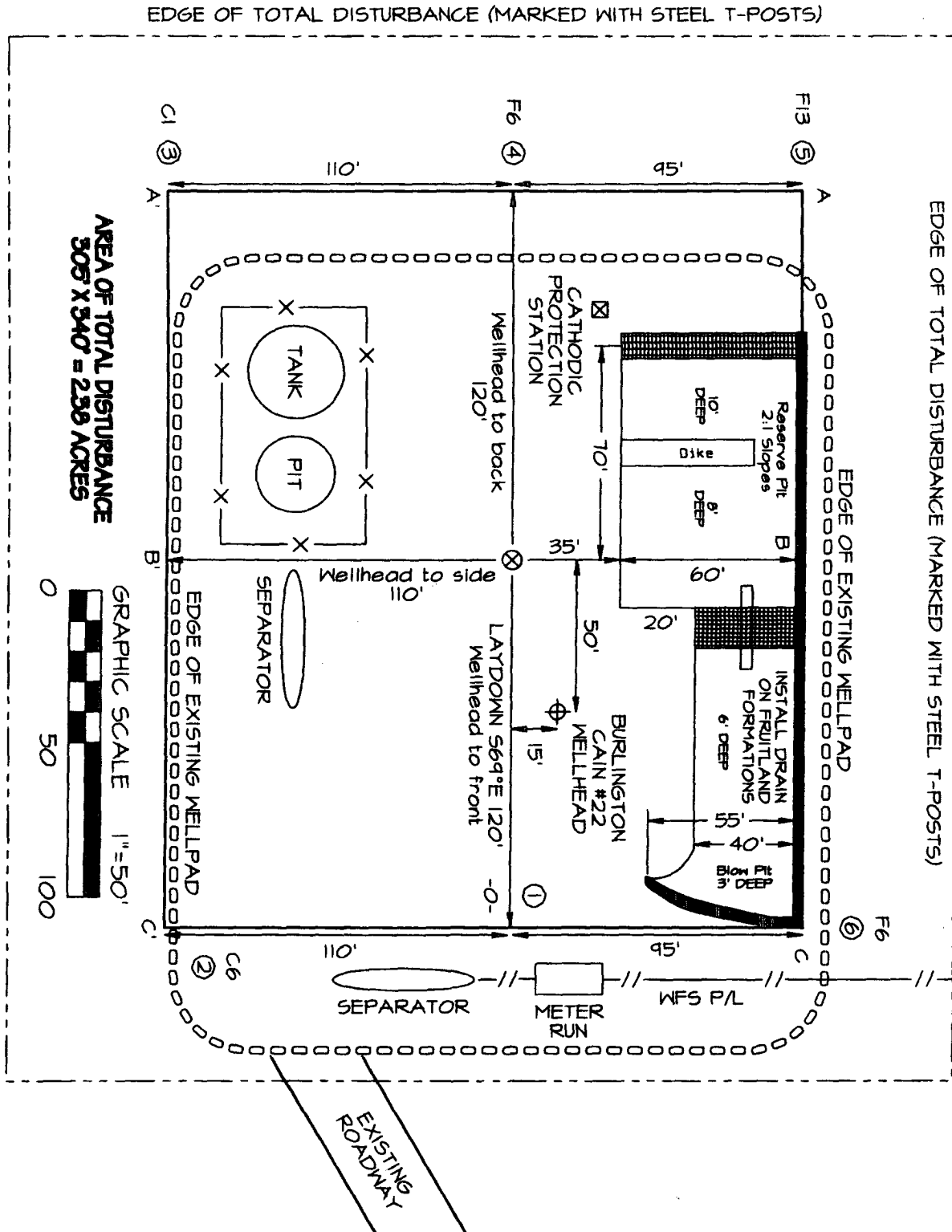
~ SURFACE OWNER ~

Bureau of Land Management

LATITUDE: 36°41.2383'N
LONGITUDE: 107°49.5159'W
DATUM: NAD1927



**BURLINGTON RESOURCES OIL & GAS COMPANY CAIN #7255
755' FNL & 715' FWL, SECTION 31, T29N, R9W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 5708'**

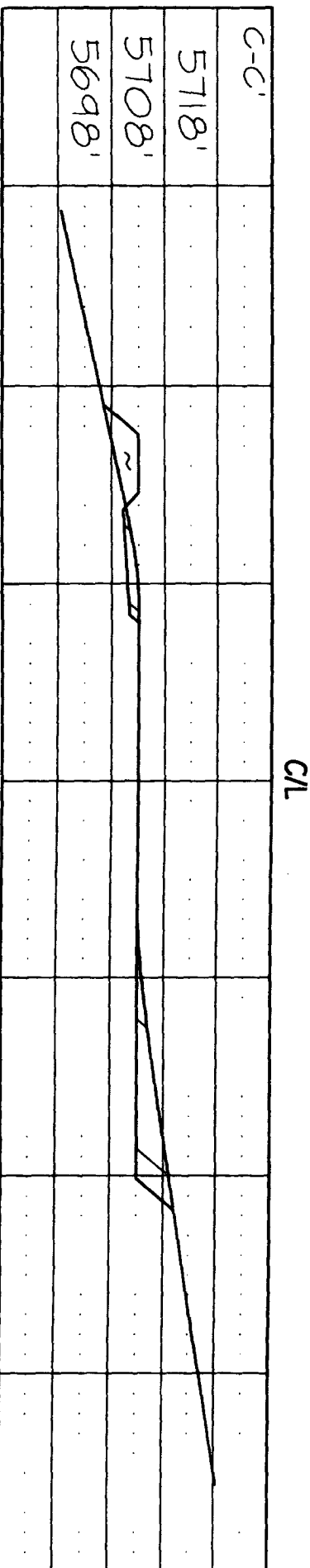
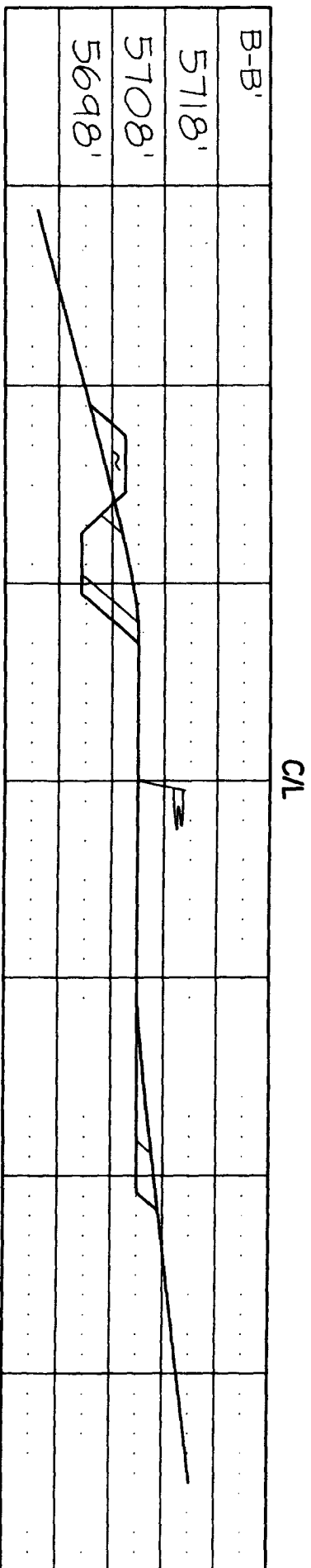
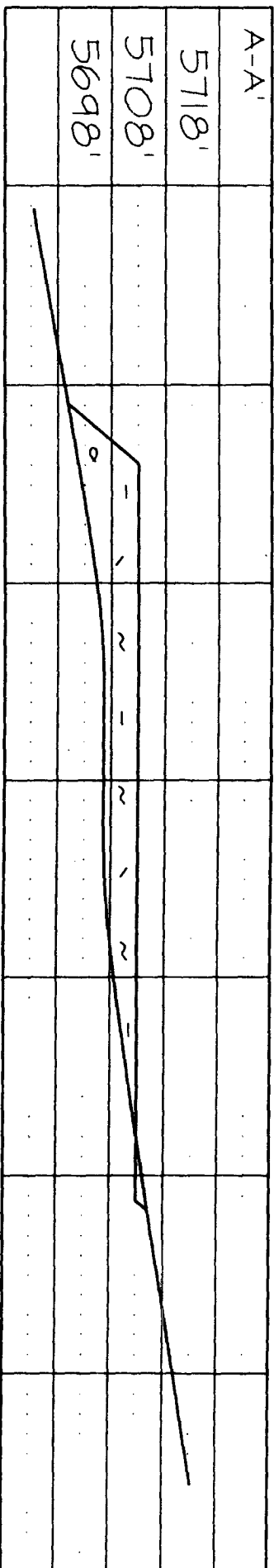


NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

**BURLINGTON RESOURCES OIL & GAS COMPANY CAIN #7255
 755' FNL & 715' FWL, SECTION 31, T29N, R9W, NMPM
 SAN JUAN COUNTY, NEW MEXICO ELEVATION: 5708'**

HORIZONTAL SCALE 1"=40' C/L VERTICAL SCALE 1"=30'



NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.
 CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND
 UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

PROJECT PROPOSAL - New Drill / Sidetrack

CAIN 725S

Lease:		AFE #: WAN.CDR.7013		AFE \$: 252,544.65	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geoscientist: Clark, Dave D		Phone: 505-326-9762		Prod. Engineer: Phone:	
Res. Engineer: Schlabaugh, Jim L		Phone: 505-326-9788		Proj. Field Lead: Phone:	
Primary Objective (Zones):					
Zone	Zone Name				
JCV	BASIN FRUITLAND COAL (GAS)				

Location: Surface		Datum Code: NAD 27				Straight Hole	
Latitude: 36.687322	Longitude: -107.825265	X:	Y:	Section: 31	Range: 009W		
Footage X: 715 FWL	Footage Y: 755 FNL	Elevation: 5708	(FT)	Township: 029N			
Tolerance:							
Location Type: Year Round		Start Date (Est.):		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5720 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
SURFACE CSG	120	5600	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55, STC. Circulate cement to surface.	
OJO ALAMO	984	4736	<input type="checkbox"/>			54 cu-ft	
KIRTLAND	1065	4655	<input type="checkbox"/>				
FRUITLAND	1706	4014	<input type="checkbox"/>			Gas	
PICTURED CLIFFS	2027	3693	<input type="checkbox"/>				
Total Depth	2227	3493	<input checked="" type="checkbox"/>	240		6-1/4" hole. 4-1/2" 10.6 J-55 STC. Circulate cement to surface. 342 cf-ft	

Reference Wells:		
Reference Type	Well Name	Comments

Logging Programs:	
Intermediate Logs: <input type="checkbox"/> Log only if show <input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo	
TD Logs: <input type="checkbox"/> Triple Combo <input type="checkbox"/> Dipmeter <input type="checkbox"/> RFT <input type="checkbox"/> Sonic <input type="checkbox"/> VSP <input type="checkbox"/> TDT <input checked="" type="checkbox"/> Other	
GR/CBL	

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Location/Tops/Logging - FCNM029N009W31NW1 Twin Cain #22.

Zones - FCNM029N009W31NW1

General/Work Description - MAKE SURE JET PUMP COST ARE INCLUDED.