

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

2007 MAR 27 PM 3:47 ~~Appended~~

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

1a. Type of Work
DRILL

5. Lease Number
USA097-080675 NM

1b. Type of Well
GAS

Unit Reporting Number

6. If Indian, All. or Tribe

2. Operator
BURLINGTON

RESOURCES Oil & Gas Company, LP

7. Unit Agreement Name

San Juan 27-4 Unit

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499
(505) 326-9700

8. Farm or Lease Name

9. Well Number
#132N

4. Location of Well
Surf: Unit H (SENE), 2230' FNL & 780' FEL

SURF: Latitude 36° 32.7247205 N
Longitude 107° 13.90693367 W

10. Field, Pool, Wildcat
Blanco MV/Basin DK

11. Sec., Twn, Rge, Mer. (NMPM)
H Sec. 27, T27N, R4W

API # 30-039- 30229

14. Distance in Miles from Nearest Town
57 mile/Bloomfield

12. County
Rio Arriba

13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
780'

16. Acres in Lease

17. Acres Assigned to Well
DK & MV - 320 (E/2)

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease
1555' BROG 132A

19. Proposed Depth
8485'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
7220' GL

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: Rhonda Rogers
Rhonda Rogers (Regulatory Technician)

3-27-07
Date

PERMIT NO.

APPROVAL DATE

APPROVED BY: [Signature]

TITLE

AFM

DATE

5/7/07

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

PA. NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

NMOCD

B 5/10

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.
Santa Fe, NM 87505

Fee Lease - 3 Copies
State Lease - 7 Copies
Submit to Appropriate District Office
Revised June 10, 2003
Form C-102

RECEIVED
PLN

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30229	² Pool Code 71599/72319	³ Pool Name DAKOTA/MESAVERDE
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT	⁶ Well Number #132N
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 7220.3'

¹⁰ SURFACE LOCATION

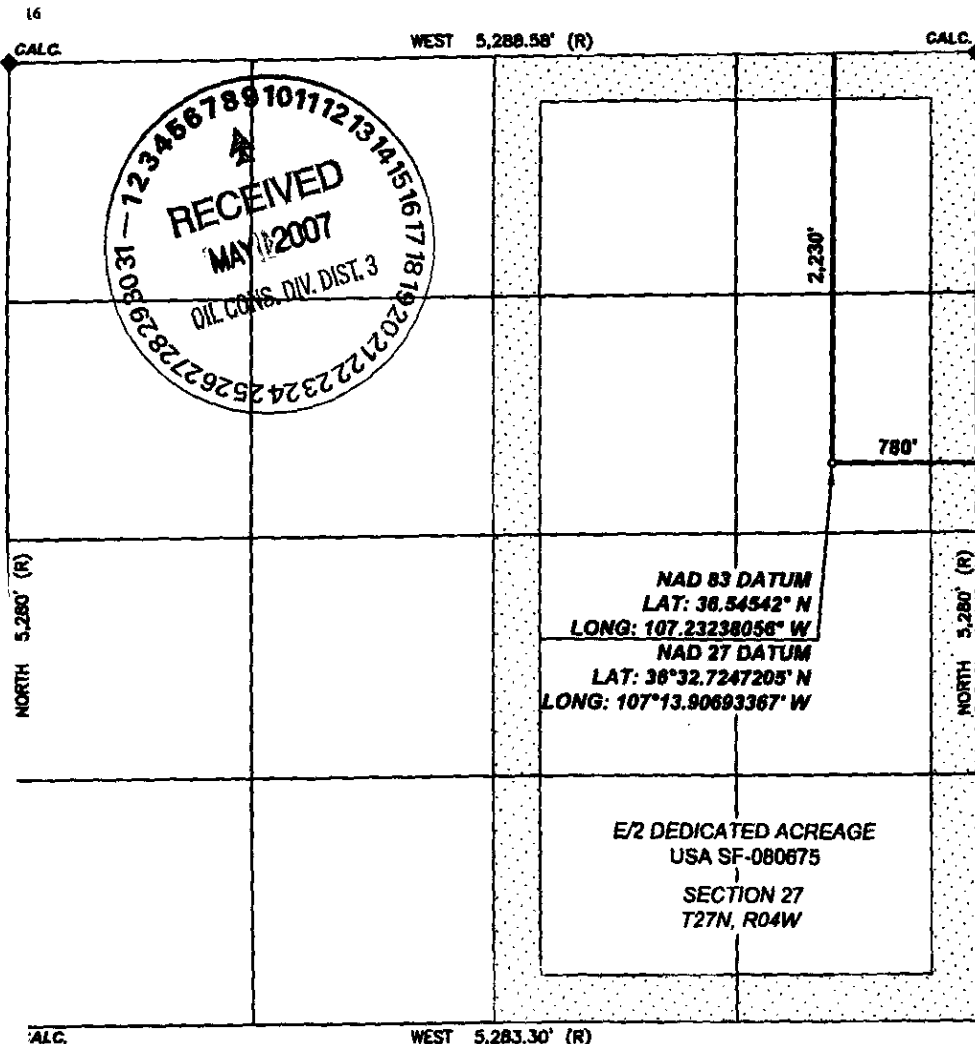
UL or lot no. H	Section 27	Township 27-N	Range 04-W	Lot Idn	Feet from the 2230	North/South line NORTH	Feet from the 780	East/West line EAST	County RIO ARriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. H	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 320.0 E2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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



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.

Signature *Kandis Roland*

Printed Name Kandis Roland

Title and E-mail Address Regulatory Assistant

Date September 13 2006

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: 7/27/06

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

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- 30229

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

USA SF-080675

7. Lease Name or Unit Agreement Name

San Juan 27-4 Unit

8. Well Number

132N

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco Mesaverde/Basin Dakota

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 H : 2230' feet from the North line and 780' feet from the East line
Section 27 Township 27N Rng 4W NMPM County Rio Arriba

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

7220.3'

Pit or Below-grade Tank Application

☐ or Closure ☐Pit type New Drill

Depth to Groundwater

>100'

Distance from nearest fresh water well

200'

Distance from nearest surface water

200'

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 ☐TEMPORARILY ABANDON ☐PULL OR ALTER CASING ☐PLUG AND ABANDON ☐CHANGE PLANS ☐MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

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

OTHER:

New Drill ☒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

3/15/2007

Type or print name

Rhonda Rogers

E-mail address:

rrogers@br-inc.com

Telephone No.

505-326-9701

For State Use Only

APPROVED BY

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. 4

DATE

5/10/07

Conditions of Approval (if any):

B

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT #132N

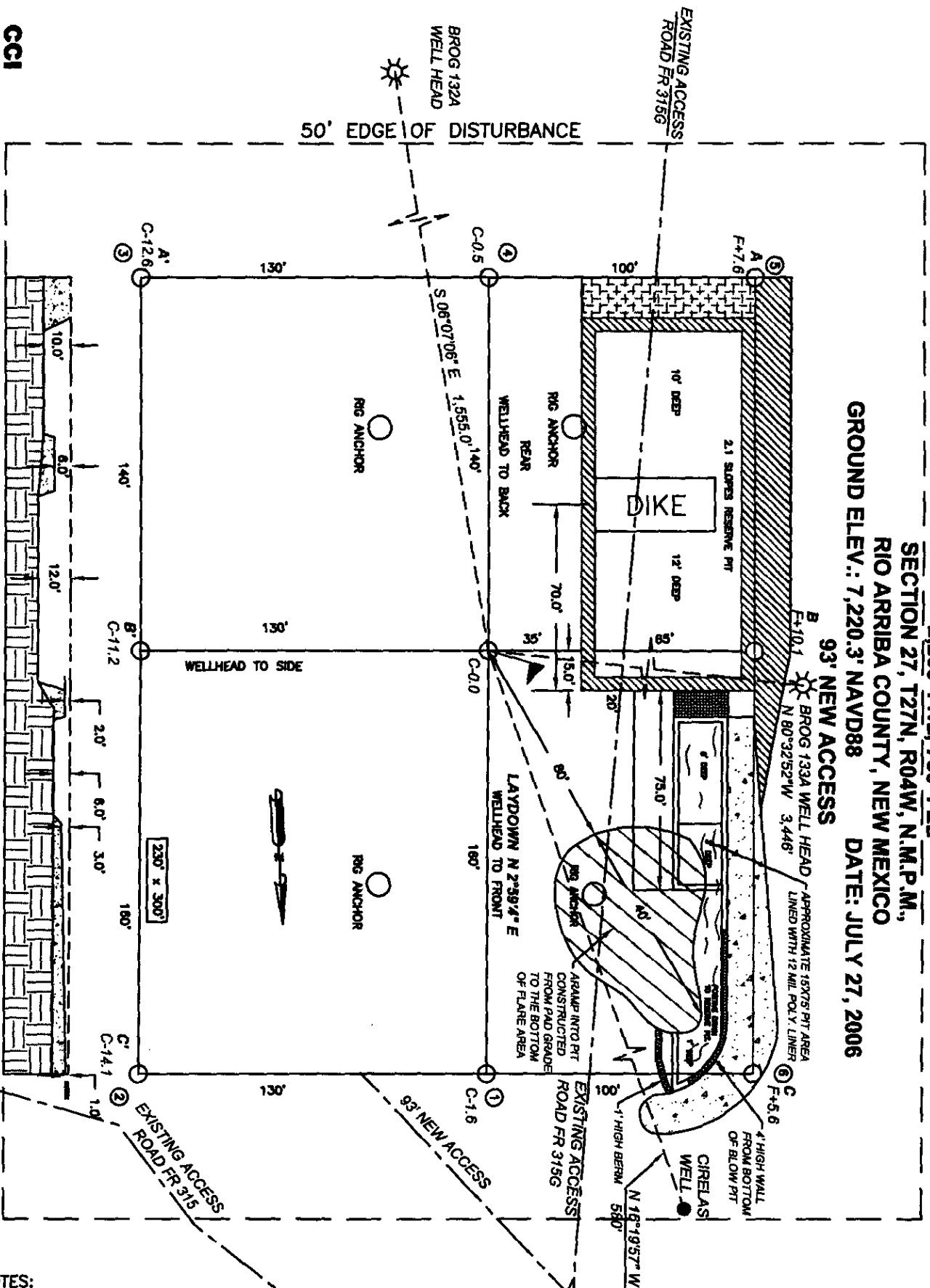
2.230' FNL, 780' FEL

SECTION 27, T27N, R04W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO

GROUND ELEV.: 7,220.3' NAVD88

DATE: JULY 27, 2006

93' NEW ACCESS



NOTES:

1. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE).
2. C.C.I. SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. 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.

CCI
CHENAULT CONSULTING INC.
1300 W. BROADWAY
BLOOMFIELD, NM, 87413
PHONE: (505) 832-1777

PIT CROSS SECTION

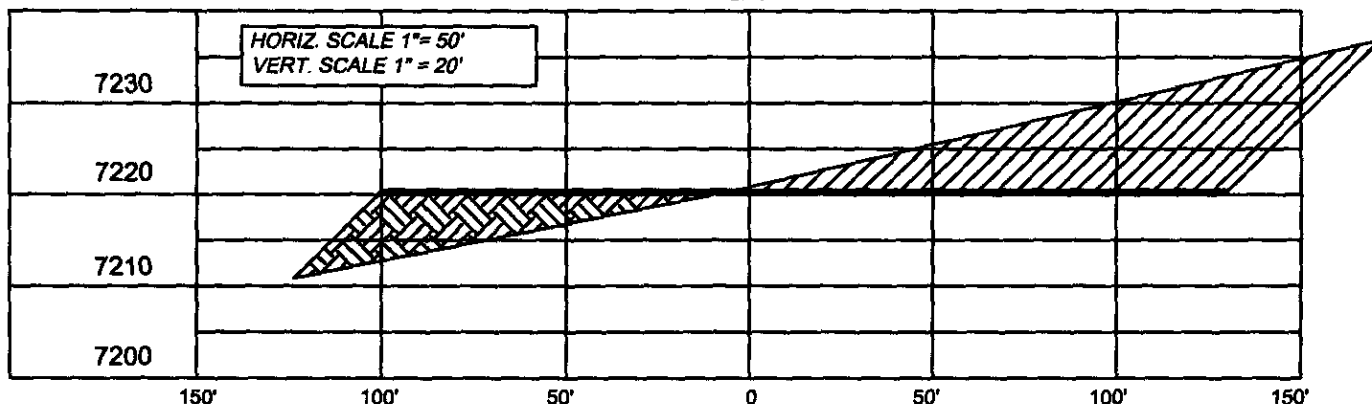
NAD 83 LAT.: 36.54542° N LONG.: 107.23238056° W

330' x 400' = 3.03 ACRES

BURLINGTON RESOURCES OIL & GAS COMPANY LP
SAN JUAN 27-4 UNIT #132N
2,230' FNL, 780' FEL
SECTION 27, T27N, R04W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO
ELEV.: 7,220.3' NAVD88
93' NEW ACCESS

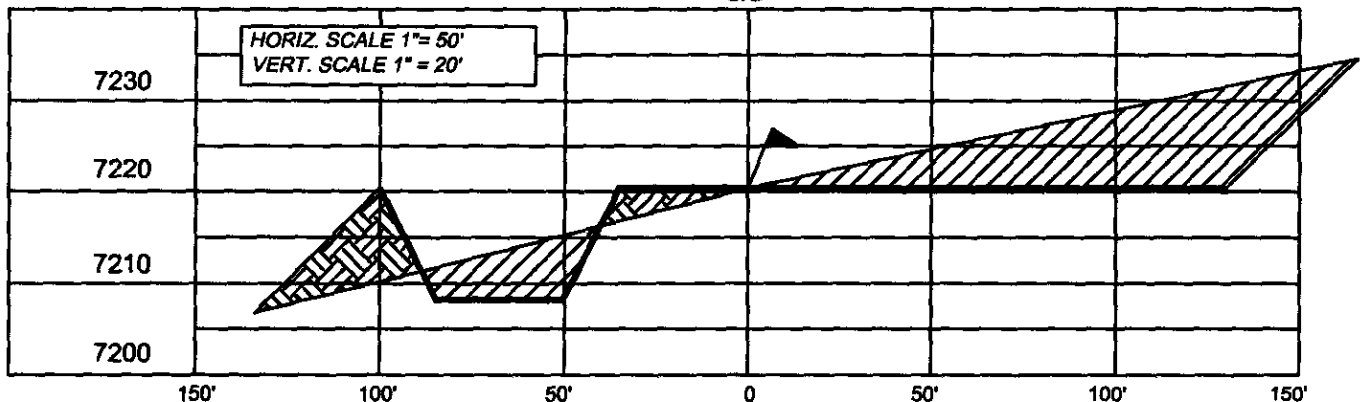
A - A'

C/L



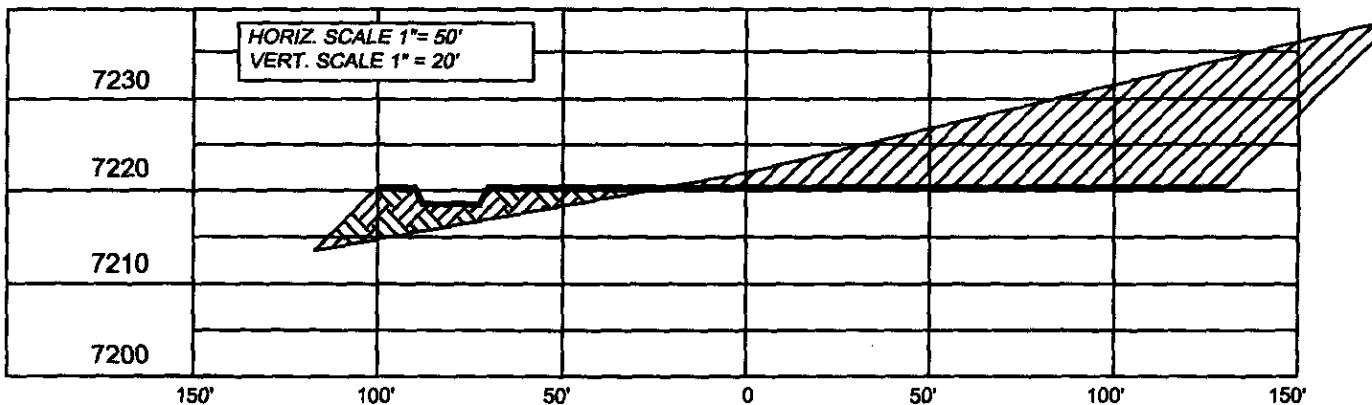
B - B'

C/L



C - C'

C/L



NOTE: CCI IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD PRIOR TO CONSTRUCTION.

REVISIONS			
NO.	DESCRIPTION	REVISED BY	DATE

CCI
 1300 W. BROADWAY
 BLOOMFIELD, NM, 87413
 PHONE: (505) 632-7777
CHENAULT CONSULTING INC.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 132N

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.7188/7189MV		AFE \$:	
Field Name: hBR_SAN JUAN 27-4 UNIT		Rig: XX 2008 27N (3)		State: NM	County: RIO ARriba
Geologist:		Phone:		Geophysicist:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: 832-486-2275		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):

Zone	Zone Name
R20002	MESAVERDE(R20002)
R20076	DAKOTA(R20076)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.545410	Longitude: -107.231782	X:	Y:	Section: 27	Range: 004W
Footage X: 780 FEL	Footage Y: 2230 FNL	Elevation: 7220	(FT)	Township: 027N	
Tolerance:					

Location Type: Summer Only	Start Date (Est.):	Completion Date:	Date In Operation:
Formation Data: Assume KB = 7232 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	216	7016	<input type="checkbox"/>			12-1/4" hole. 9-5/8" 32.3 ppf H-40, STC casing. Cement with 171 cu. ft. Circulate cement to surface.
OJO ALAMO	3501	3731	<input type="checkbox"/>			Possible water flows.
KIRTLAND	3700	3532	<input type="checkbox"/>			
FRUITLAND	3728	3504	<input type="checkbox"/>			Possible gas.
PICTURED CLIFFS	4075	3157	<input type="checkbox"/>			upper fms to Pictured Cliffs to 27-4 #62
LEWIS	4240	2992	<input type="checkbox"/>			
Intermediate Casing	4340	2892	<input type="checkbox"/>			8-3/4" hole. 7", 20 ppf, J-55, ST&C casing. Cement with 978 cu. ft. Circulate cement to surface.
HUERFANITO BENTONITE	4593	2639	<input type="checkbox"/>			
CHRA	5055	2177	<input type="checkbox"/>			
UPPER CLIFF HOUSE	5670	1562	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	5793	1439	<input type="checkbox"/>			
MENEFEE	5918	1314	<input type="checkbox"/>			
MASSIVE POINT LOOKOUT	6244	988	<input type="checkbox"/>	800		flat to 27-4 #35A
MANCOS	6760	472	<input type="checkbox"/>			
UPPER GALLUP	7387	-155	<input type="checkbox"/>			
GREENHORN	8192	-960	<input type="checkbox"/>	1500		flat to 27-4 #132
GRANEROS	8255	-1023	<input type="checkbox"/>			
TWO WELLS	8285	-1053	<input type="checkbox"/>			
UPPER CUBERO	8408	-1176	<input type="checkbox"/>			
LOWER CUBERO	8451	-1219	<input type="checkbox"/>			
OAK CANYON	8470	-1238	<input type="checkbox"/>			
TD	8485	-1253	<input type="checkbox"/>			TD 15' below T/Oak Canyon. 6-1/4" hole. 4-1/2", 10.5/11.6#, J-55, STC/LTC casing. Cement with 501 cu. ft. Circulate cement a minimum of 100' inside the previous casing string..
ENCINAL	8515	-1283	<input type="checkbox"/>			

Reference Wells:		
Reference Type	Well Name	Comments

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-4 UNIT 132N

DEVELOPMENT

Intermediate	SJ 27-4 Unit 62	NW26-27N-04W
Intermediate	SJ 27-4 Unit 35A	NW26-27N-04W
Intermediate	SJ 27-4 Unit 132	NE27-27N-04W

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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Comments: Location/Tops/Logging - DK 27N04W27NE2 AND MVNM027N004W27NE-Estimated bottom perf 8465

Zones - DK 27N04W27NE2 AND MVNM027N004W27NE2