

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

707 MAY 29 PM 3:25

| | | |
|---|---|-----------------|
| 1a. Type of Work DRILL | 5. Lease Number USA SF-077317 Unit Reporting Number NMNM-94002 FC | |
| 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 Cooper 9. Well Number #5R | |
| 4. Location of Well Unit L(NWSE), 1735' FSL & 895' FWL Latitude 36° 34.1328 N Longitude 108° 02.2420 W | 10. Field, Pool, Wildcat Basin FC 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 6, T29N, R11W API # 30-045-34338 | |
| 14. Distance in Miles from Nearest Town 10 miles/Farmington | 12. County San Juan | 13. State NM |
| 15. Distance from Proposed Location to Nearest Property or Lease Line 890' | 17. Acres Assigned to Well FC - 284.92 (W/2) | |
| 16. Acres in Lease | | |
| 18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease | | |
| 19. Proposed Depth 2131' | 20. Rotary or Cable Tools Rotary | |
| 21. Elevations (DF, FT, GR, Etc.) 5771' GL | 22. Approx. Date Work will Start | |
| 23. Proposed Casing and Cementing Program See Operations Plan attached | RCVD JUN15'07 OIL CONS. DIV. DIST. 3 | |
| 24. Authorized by: <u>Kandis Roland</u> Kandis Roland (Regulatory Technician) | 5/29/07 Date | |

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 6/14/07

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 2

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

6-28-07
BH

NMOCDB

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

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

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

2007 MAY 29 PM 5
RECEIVED
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|-----------------------------|--|------------------------------------|
| *API Number 30-045-34338 | *Pool Code 71629 | *Pool Name BASIN FRUITLAND COAL |
| *Property Code 18498 | *Property Name COOPER | *Well Number 5R |
| *GRID No. 14538 | *Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP | *Elevation 5771' |

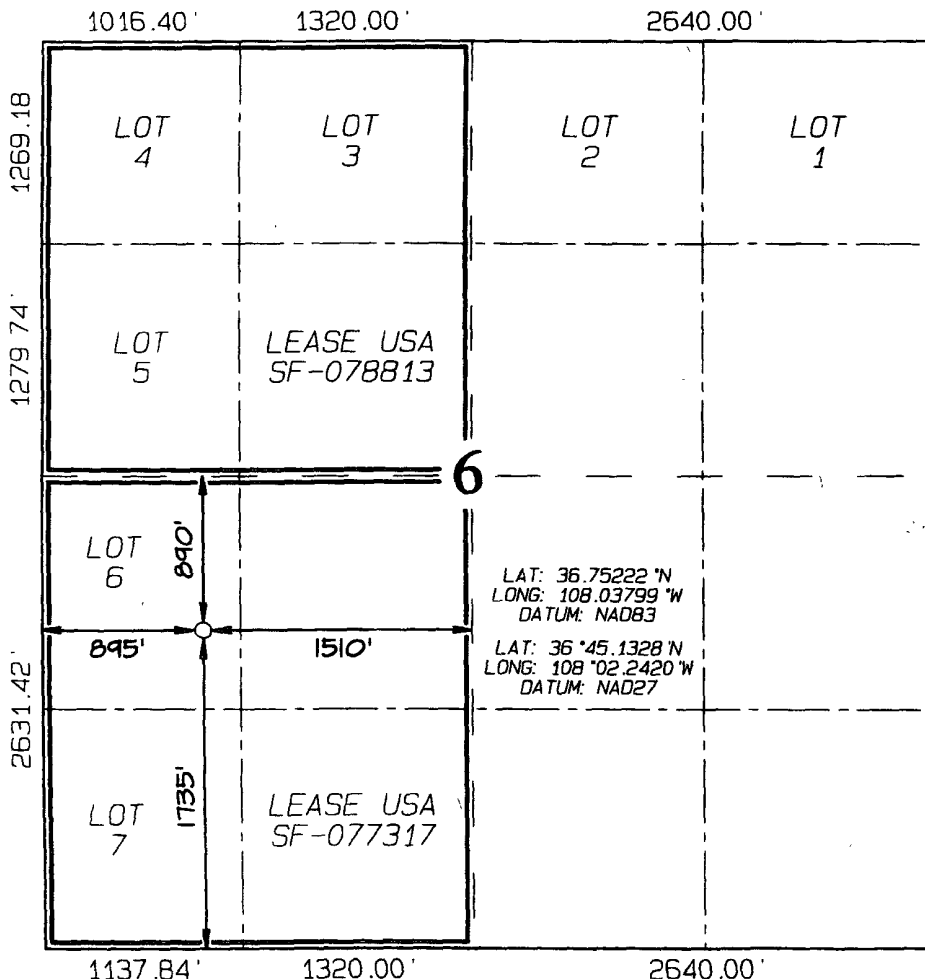
10 Surface Location

| UL or lot no | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|--------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| L | 6 | 29N | 11W | 6 | 1735 | SOUTH | 895 | 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 |
|--|---------|----------|-------|---------|--------------------|------------------|-----------------------|----------------|--------------|
| L | | | | | | | | | |
| 12 Dedicated Acres 284.92 Acres - (W/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



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.

Kandis Roland 4/18/07
Signature Date
Kandis Roland
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.

Date of Survey: APRIL 2, 2007

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

Office

Energy, Minerals and Natural Resources

May 27, 2004

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-045-34338

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal-USA SF-077317

7. Lease Name or Unit Agreement Name

Cooper

8. Well Number

5R

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 L : 1735' feet from the South line and 895' feet from the West line
Section 6 Township 29N Rng 11W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc)
5771'

Pit or Below-grade Tank Application

☐ or Closure

7200

Pit type New Drill Depth to Groundwater >100 Distance from nearest fresh water well

>1000 Distance from nearest surface water

<1000

Pit Liner Thickness:

N/A

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 ☐

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. (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, Unlined:

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, vent/flare pit and pre-set mud pit will be unlined 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 unlined, 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

5/25/07

Type or print name

Kandis Roland

E-mail address:

urnskr@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

Deputy Oil & Gas Inspector,

District #3

APPROVED BY

[Signature]

TITLE

DATE

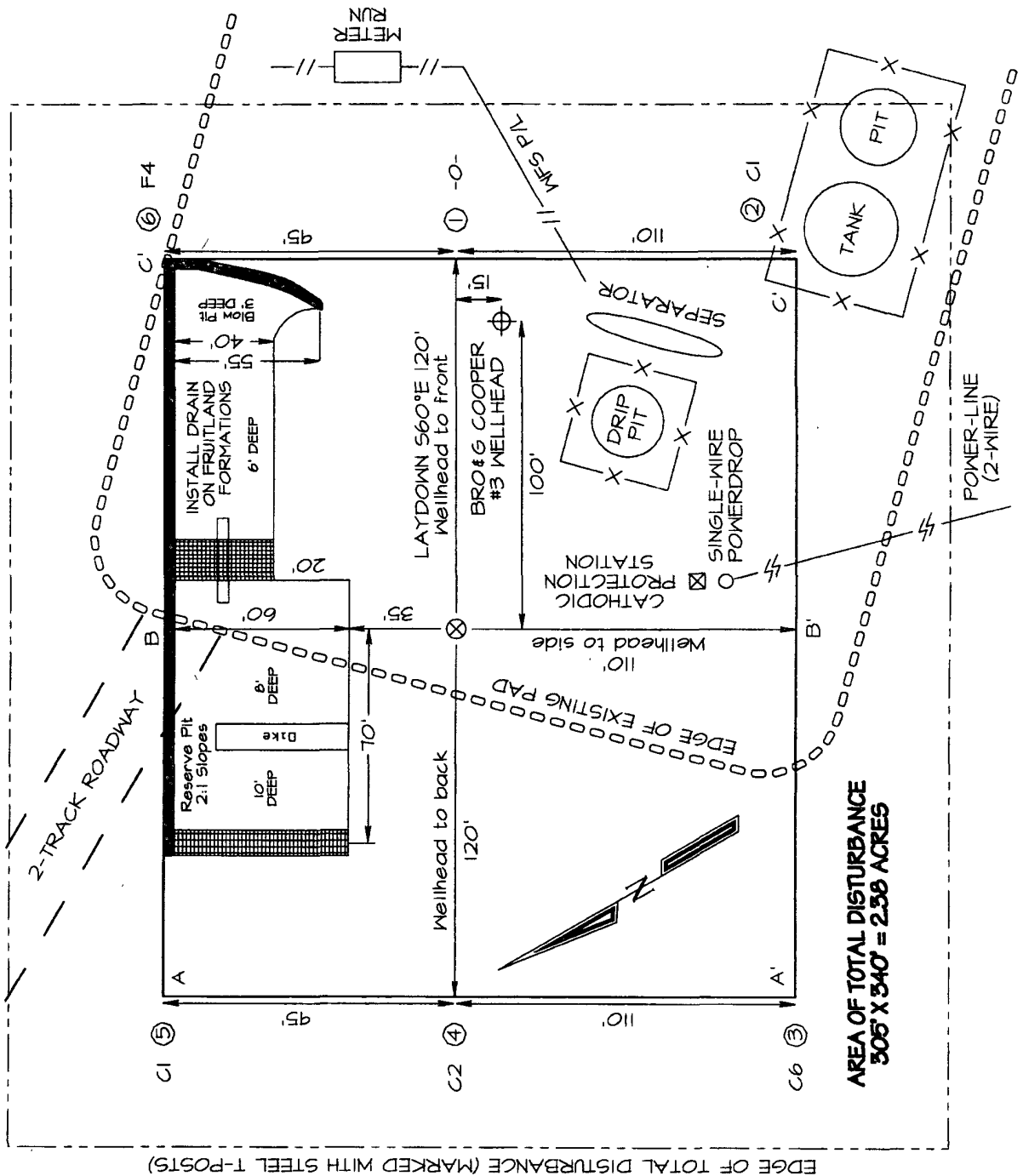
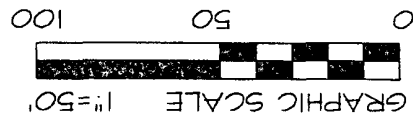
JUN 28 2007

Conditions of Approval (if any):

BURLINGTON RESOURCES OIL & GAS COMPANY COOPER #5R
1735' FSL & 895' FWL, SECTION 6, T29N, R11W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 5771'

LATITUDE: 36°45.1328'N
 LONGITUDE: 108°02.2420'W
 DATUM: NAD1927

~ SURFACE OWNER ~
 Bureau of Land Management



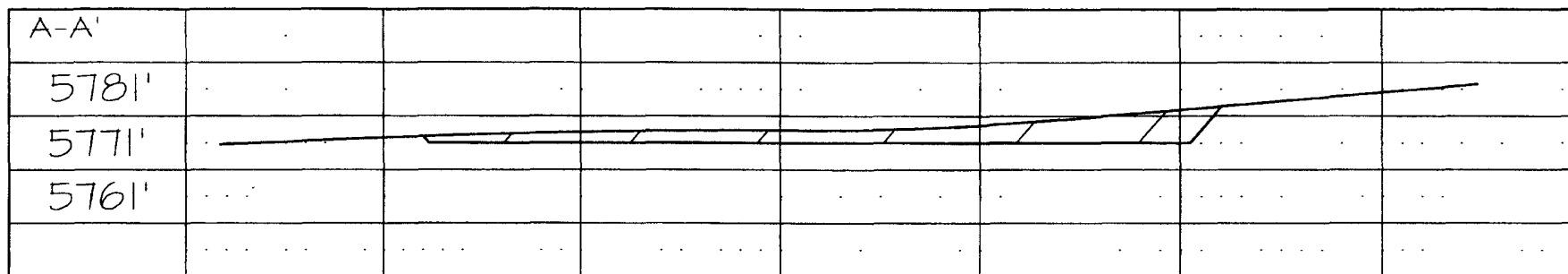
NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.
 CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY COOPER #5R
1735' FSL & 895' FWL, SECTION 6, T29N, R11W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 5771'

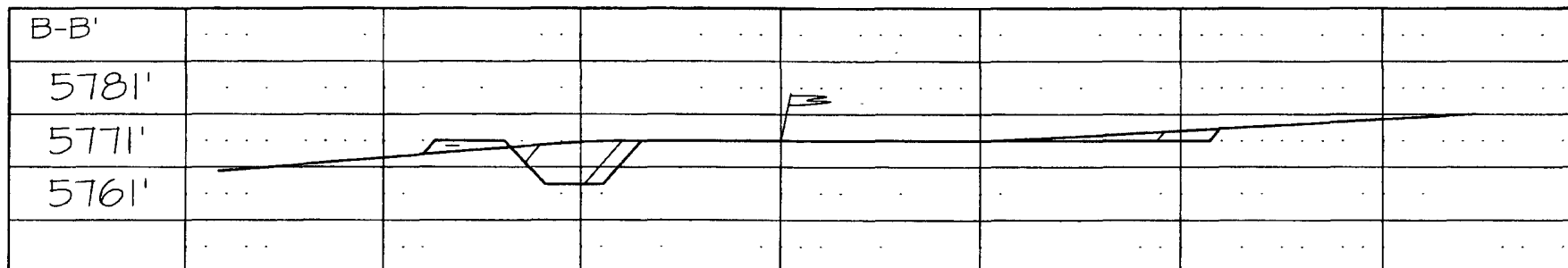
HORIZONTAL SCALE 1"=40'

C/L

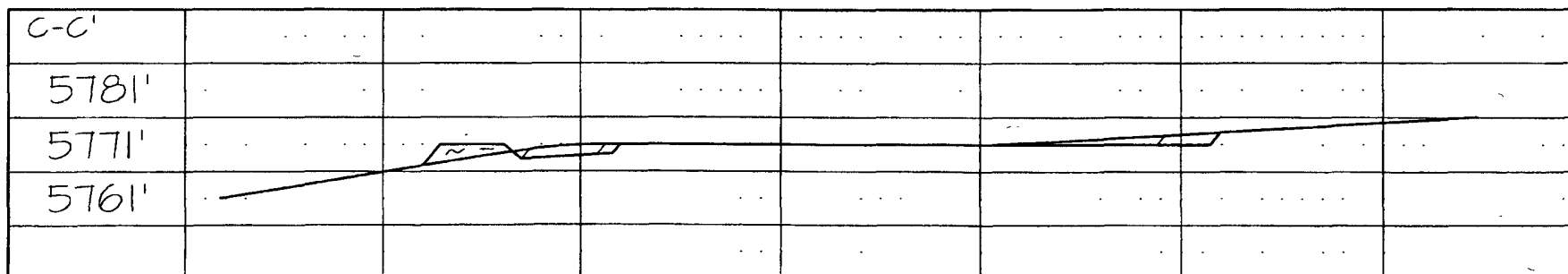
VERTICAL SCALE 1"=30'



C/L



C/L



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

San Juan Business Unit

COOPER 5R

DEVELOPMENT

| | | | | | | |
|--|----------------------------|---------------------------|--------------------------|-------------------|----------------------|--|
| Lease: | | AFE #: WAN.CDR.7109 | | | AFE \$: 201,569.77 | |
| Field Name: hBR SAN JUAN | | Rig: Aztec Rig 580 | | State: NM | County: SAN JUAN | API #: |
| Geologist: | | Phone: | | Geophysicist: | | Phone: |
| 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: 36.752216 | Longitude: -108.037365 | X: | Y: | Section: 06 | Range: 011W | |
| Footage X: 895 FWL | Footage Y: 1735 FSL | Elevation: 5771 | (FT) | Township: 029N | | |
| Tolerance: | | | | | | |
| Location Type: Year Round | | Start Date (Est.): | | Completion Date: | | Date In Operation: |
| Formation Data: Assume KB = 5783 Units = FT | | | | | | |
| Formation Call & Casing Points | Depth (TVD in Ft) | SS (Ft) | Depletion (Yes/No) | BHP (PSIG) | BHT | Remarks |
| Surface Casing | 120 | 5663 | <input type="checkbox"/> | | | 8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface. |
| OJO ALAMO | 567 | 5216 | <input type="checkbox"/> | | | |
| KIRTLAND | 729 | 5054 | <input type="checkbox"/> | | | |
| FRUITLAND | 1654 | 4129 | <input type="checkbox"/> | | | Gas |
| PICTURED CLIFFS | 1931 | 3852 | <input type="checkbox"/> | 150 | | Gas |
| Total Depth | 2131 | 3652 | <input type="checkbox"/> | | | 6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 327 cuft. Circulate cement to surface. |
| Reference Wells: | | | | | | |
| Reference Type | Well Name | | Comments | | | |
| | | | | | | |
| Logging Program: | | | | | | |
| 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 - FCNM029N011W06SW1 Prefer L,K,N - avoid M due to previous completions - twin DK well (Cooper D #3) - stay 500' away from P&A PC/FTC (Cooper #5).

Zones - FCNM029N011W06SW1

General/Work Description - BDS STRATEGIC WELL.