

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 20 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management

1a. Type of Work
DRILL

5. Lease Number Farmington Field Office
SF-078116-A
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
RCVD AUG 26 '09
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
Mansfield

9. Well Number
2B

4. Location of Well
Surf: Unit B(NWNE), 1279' FNL & 2567' FEL
Bottomhole: Unit F(SENW), 2463' FNL & 978' FWL

Surf: Latitude: 36.80110° N (NAD83)
Longitude: 107.82114° W
Bottomhole: Latitude: 36.79788° N (NAD83)
Longitude: 107.82376° W

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

11. Sec., Twn, Rge, Mer. (NMPM)
B Sec. 19, T30N, R9W

API # 30-045-35009

14. Distance in Miles from Nearest Town
12 miles/Aztec

12. County
San Juan

13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
978'

16. Acres in Lease
423.440

17. Acres Assigned to Well
MV/DK 310.56 (W/2) Sec 19
(NW/4) Sec 30

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease
833' from Mansfield 1M

19. Proposed Depth
7369'

 H₂S POTENTIAL EXIST

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6162' GL

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

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: *Tracey N. Monroe*
Tracey N. Monroe (Staff Regulatory Technician) Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY *[Signature]* TITLE *AFM* DATE *8/26/09*

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.

NOTIFY AZTEC OCD 24 HRS. PRIOR TO CASING & CEMENT

Example Master Plan Type 3 Bond Numbers NMB-000015 and NMB-000089 AUG 31 2009

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

NMOCD

Hold C104 DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL REQUIREMENTS".
for Directional Survey and "As Drilled" plat

DISTRICT I
1625 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, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

RECEIVED

Form C-102
Revised October 12, 2005

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

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
Bureau of Land Management
Farmington Field Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | |
|-----------------------------|---|---------------------------|---|
| *API Number 30-045-35009 | | *Pool Code 71599/72319 | *Pool Name BLANCO MESAVERDE / BASIN DAKOTA |
| *Property Code 7284 | *Property Name MANSFIELD | | *Well Number 2 B |
| *OGRD No. 14538 | *Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP | | *Elevation 6162' |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| B | 19 | 30N | 9W | | 1279' | NORTH | 2567' | EAST | SAN JUAN |

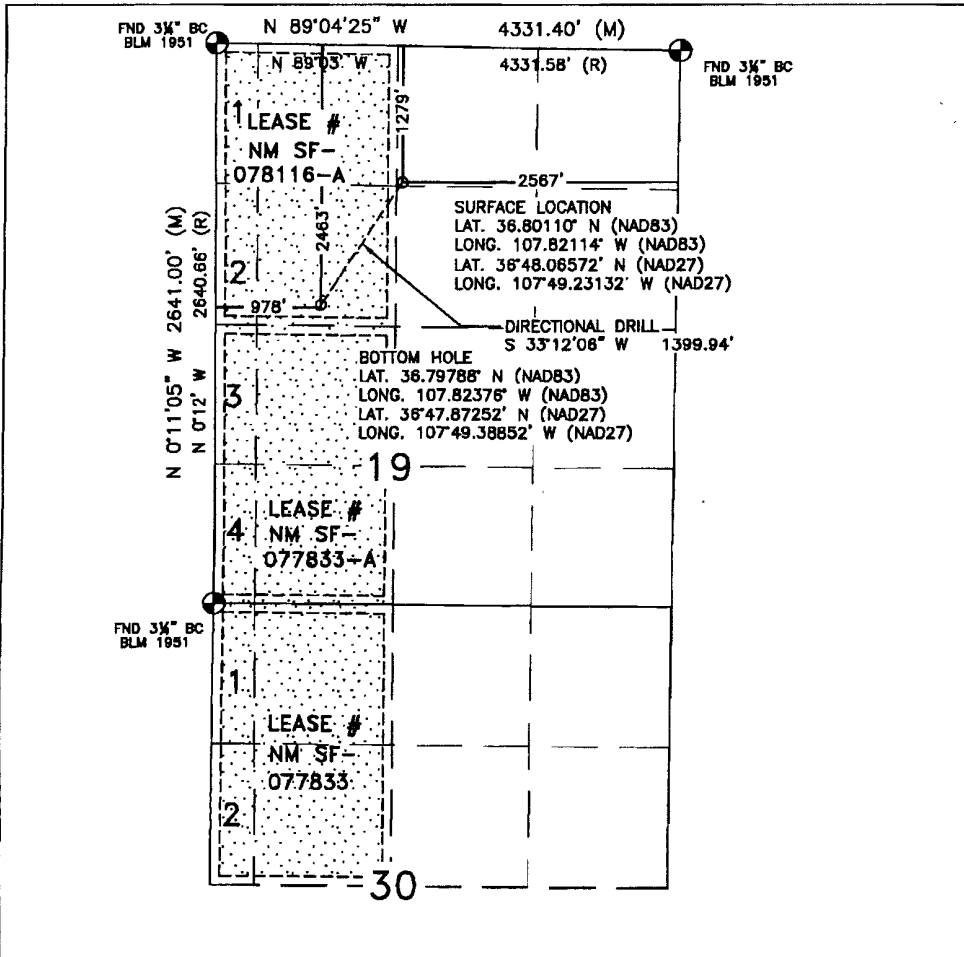
¹¹ Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| F | 19 | 30N | 9W | | 2463' | NORTH | 978' | WEST | SAN JUAN |

| | | | |
|---|-------------------------------|----------------------------------|---|
| ¹² Dedicated Acres 310.56 Acres - (W/2) | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No. R-35 (M) R-2046 (M) DK |
|---|-------------------------------|----------------------------------|---|

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 or a compulsory pooling order heretofore entered by the division.

Marie E. Jaramillo 4/9/09
Signature Date

Marie E. Jaramillo 4/9/09
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.

MAY 1, 2008
Date of Survey

Signature and Seal of Professional Surveyor:
David R. Russell

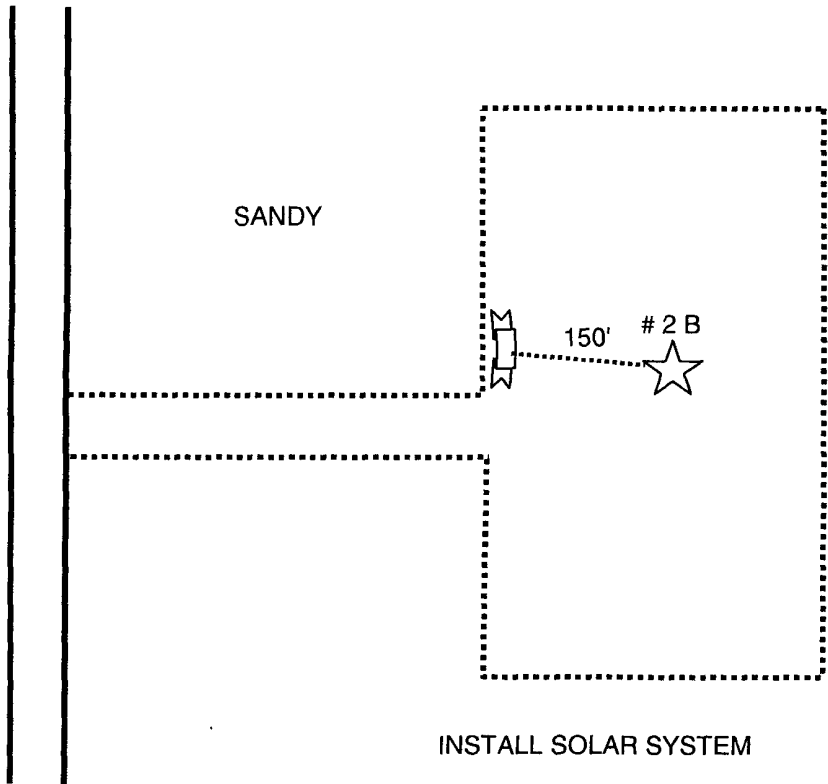
DAVID RUSSELL
Certificate Number 10201

R

WELL NAME MANSFIELD # 2 B



1 PHASE CITY OF FMN POWER
.6 MILES



NO WELLS OR PIPELINES WITHIN 1200'

| | | | | | | |
|----------|-----------------|-----------|-----------------------|--------------------|----------------|--------------------|
| 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 | |

PROJECT PROPOSAL - New Drill / Sidetrack

MANSFIELD 2B

DEVELOPMENT

| | | | | | | |
|---|---------------------------------|-----------------------------|--------------------------|-------------------|----------------------|---|
| Lease: | | AFE #: WAN.CDR.8033 | | | AFE \$: 1,818,215.11 | |
| Field Name: SAN JUAN | | Rig: H&P Rig 281 | | State: NM | County: SAN JUAN | |
| Geologist: | | Phone: | | Geophysicist: | | Phone: |
| Geoscientist: | | Phone: | | Prod. Engineer: | | Phone: |
| Res. Engineer: McKee, Cory J | | Phone: +1 505-326-9826 | | Proj. Field Lead: | | Phone: |
| Primary Objective (Zones): | | | | | | |
| Zone | Zone Name | | | | | |
| RON | BLANCO MESAVERDE (PRORATED GAS) | | | | | |
| R20076 | DAKOTA(R20076) | | | | | |
| Location: <small>Surface</small> Datum Code: NAD 27 <small>Directional</small> | | | | | | |
| Latitude: 36.801095 | Longitude: -107.820522 | X: | Y: | Section: 19 | Range: 009W | |
| Footage X: 2567 FEL | Footage Y: 1279 FNL | Elevation: 6162 | (FT) | Township: 030N | | |
| Tolerance: | | | | | | |
| Location: <small>Bottom Hole</small> Datum Code: NAD 27 <small>Directional</small> | | | | | | |
| Latitude: 36.797875 | Longitude: -107.823142 | X: | Y: | Section: 19 | Range: 009W | |
| Footage X: 1550 FWL | Footage Y: 2455 FNL | Elevation: | (FT) | Township: 030N | | |
| Tolerance: | | | | | | |
| Location Type: Year Round | | Start Date (Est.): 1/1/2010 | | Completion Date: | | Date In Operation: |
| Formation Data: Assume KB = 6177 Units = FT | | | | | | |
| Formation Call & Casing Points | Depth (TVD in Ft) | SS (Ft) | Depletion (Yes/No) | BHP (PSIG) | BHT | Remarks |
| Surface Casing | 200 | 5977 | <input type="checkbox"/> | | | 12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface. |
| OJO ALAMO | 1511 | 4666 | <input type="checkbox"/> | | | |
| KIRTLAND | 1663 | 4514 | <input type="checkbox"/> | | | |
| FRUITLAND | 2282 | 3895 | <input type="checkbox"/> | | | Possible Gas |
| PICTURED CLIFFS | 2852 | 3325 | <input type="checkbox"/> | | | |
| LEWIS | 2972 | 3205 | <input type="checkbox"/> | | | |
| HUERFANITO BENTONITE | 3561 | 2616 | <input type="checkbox"/> | | | |
| CHACRA | 3849 | 2328 | <input type="checkbox"/> | | | |
| Intermediate Casing | 4300 | 1877 | <input type="checkbox"/> | | | 8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1033 cuft. Circulate cement to surface. |
| UPPER CLIFF HOUSE | 4476 | 1701 | <input type="checkbox"/> | | | Gas; Est. Top Perf - 4478 (1699) |
| MASSIVE CLIFF HOUSE | 4585 | 1592 | <input type="checkbox"/> | 362 | | Gas |
| MENEFEE | 4763 | 1414 | <input type="checkbox"/> | | | |
| POINT LOOKOUT | 5190 | 987 | <input type="checkbox"/> | | | |
| MANCOS | 5428 | 749 | <input type="checkbox"/> | | | |
| UPPER GALLUP | 6348 | -171 | <input type="checkbox"/> | | | |
| GREENHORN | 7074 | -897 | <input type="checkbox"/> | | | |
| GRANEROS | 7131 | -954 | <input type="checkbox"/> | | | |
| TWO WELLS | 7177 | -1000 | <input type="checkbox"/> | 2617 | | Gas |
| PAGUATE | 7271 | -1094 | <input type="checkbox"/> | | | |
| UPPER CUBERO | 7307 | -1130 | <input type="checkbox"/> | | | |
| LOWER CUBERO | 7315 | -1138 | <input type="checkbox"/> | | | Est. Btm Perf - 7349 (-1172) based on offset wells |
| ENCINAL | 7369 | -1192 | <input type="checkbox"/> | | | TD - T/ENCN |

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

MANSFIELD 2B

DEVELOPMENT

| | | | | |
|-------------|------|-------|--------------------------|---|
| Total Depth | 7369 | -1192 | <input type="checkbox"/> | 6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 421 cuft. Circulate cement a minimum of 100' inside the previous casing string. |
|-------------|------|-------|--------------------------|---|

| Reference Wells: | | |
|------------------|---------------|--------------------|
| Reference Type | Well Name | Comments |
| Production | Mansfield 10 | 30N 9W 19 SE NW SW |
| Production | Mansfield 2-A | 30N 9W 19 SE NW NW |
| Production | Mansfield 1M | 30N 9W 19 NE SW NE |

| 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 |
|----------|---|

Cased Hole GR / CBL
Mudlog from 100' above top of GRHN to TD - mudlogger will call TD.

Additional Information:

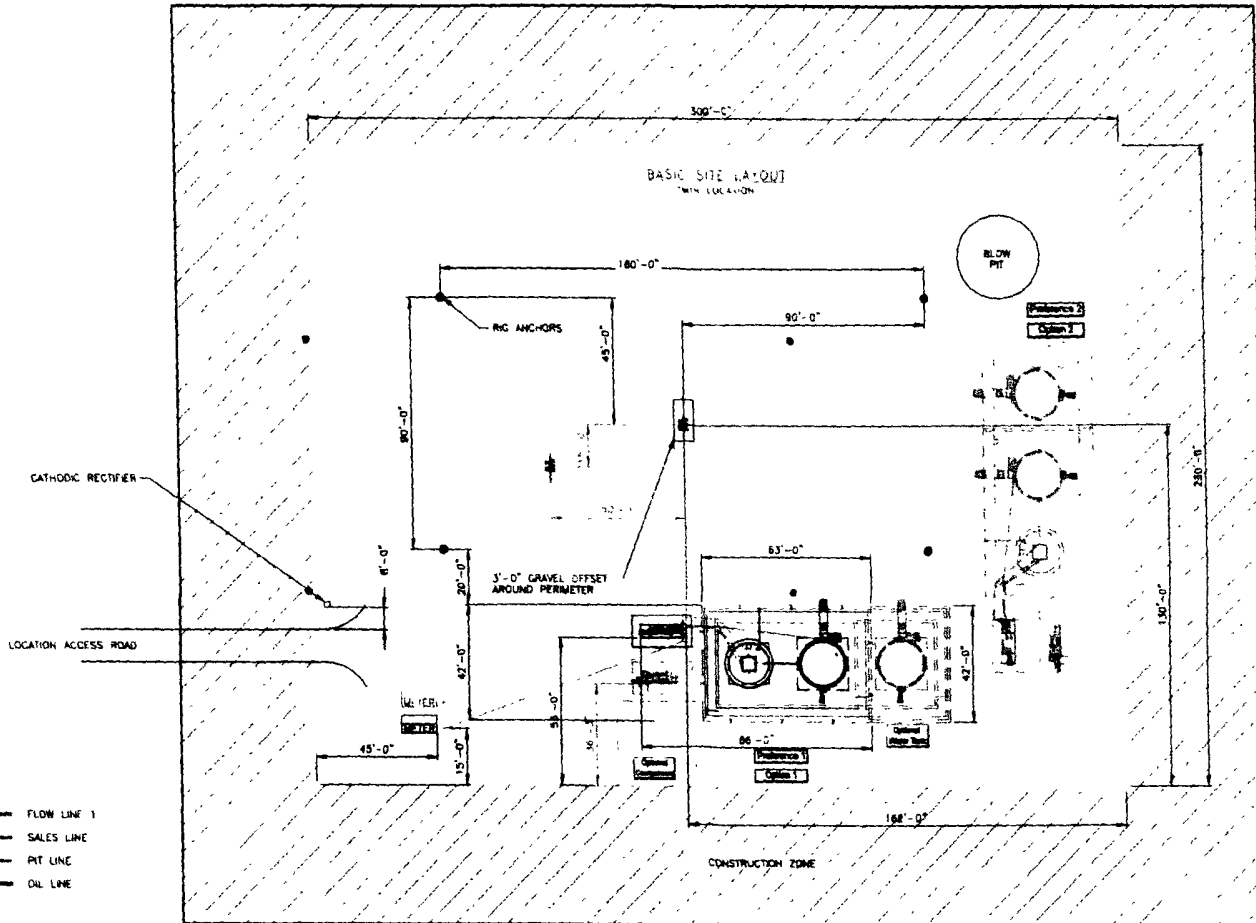
| Log Type | Stage | From (Ft) | To (Ft) | Tool Type/Name | Remarks |
|----------|-------|-----------|---------|----------------|---------|
|----------|-------|-----------|---------|----------------|---------|

ConocoPhillips or its affiliates

Planning Report

| | | | |
|------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Database: | EDM Central Planning | Local Co-ordinate Reference: | Well Mansfield #2B |
| Company: | ConocoPhillips SJB | TVD Reference: | WELL @ 6177 0ft (Original Well Elev) |
| Project: | San Juan Basin - New Mexico Wells | MD Reference: | WELL @ 6177 0ft (Original Well Elev) |
| Site: | Other Named Wells | North Reference: | True |
| Well: | Mansfield #2B | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Principal Wellbore | | |
| Design: | Plan #1 | | |

| Formations | | | | | | |
|---------------------------|---------------------------|-----------------------|-----------|------------|-------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 5,475.0 | 5,190.0 | Massive Point Lookout | | 0.00 | | |
| 4,870.0 | 4,585.0 | Massive Cliffhouse | | 0.00 | | |
| 3,039.1 | 2,852.0 | Pictured Cliffs | | 0.00 | | |
| 1,548.3 | 1,511.0 | Ojo Alamo | | 0.00 | | |
| 4,761.0 | 4,476.0 | Upper Cliffhouse | | 0.00 | | |
| 4,129.7 | 3,849.0 | Chacra | | 0.00 | | |
| 2,405.3 | 2,282.0 | Fruitland | | 0.00 | | |
| 7,416.0 | 7,131.0 | Graneros | | 0.00 | | |
| 3,826.2 | 3,561.0 | Huerfanto Bentonite | | 0.00 | | |
| 7,592.0 | 7,307.0 | Upper Cubero | | 0.00 | | |
| 6,633.0 | 6,348.0 | Upper Gallup | | 0.00 | | |
| 7,556.0 | 7,271.0 | Paguete | | 0.00 | | |
| 5,713.0 | 5,428.0 | Mancos | | 0.00 | | |
| 7,462.0 | 7,177.0 | Two Wells | | 0.00 | | |
| 1,716.9 | 1,663.0 | Kirtland | | 0.00 | | |
| 7,654.0 | 7,369.0 | Encinal | | 0.00 | | |
| 7,600.0 | 7,315.0 | Lower Cubero | | 0.00 | | |
| 7,359.0 | 7,074.0 | Greenhorn | | 0.00 | | |
| 5,048.0 | 4,763.0 | Menefee | | 0.00 | | |
| 3,172.6 | 2,972.0 | Lewis | | 0.00 | | |



- FLOW LINE 1
- SALES LINE
- PIT LINE
- OIL LINE

SEE SHEET 3 & 4 FOR PIPING DETAILS
 ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

| ENGINEERING REVIEW | | | | | | | | | | REFERENCE DRAWINGS | | | CONOCOPhillips HIGH PRESSURE 3 PHASE FACILITY DIAGRAM - SITE LAYOUT | | |
|------------------------|----|------|-------|-----|---------------|-----|-------------|------------|-------------|-----------------------------|---------------------|--|---|--|--|
| DATE | BY | CHKD | APP'D | REV | DESCRIPTION | NO. | DESCRIPTION | CLIENT NO. | CLIENT NAME | APPRO. DATE | | | | | |
| | | | | | PROJECT | | | | | | | | | | |
| | | | | | DESIGNER | | | | | | | | | | |
| | | | | | PIPING | | | | | | | | | | |
| | | | | | ELECTRICAL | | | | | | | | | | |
| | | | | | I & C | | | | | | | | | | |
| | | | | | CON/STRUCTURE | | | | | | | | | | |
| | | | | | PROJECT | | | | | | | | | | |
| SAN JUAN BUSINESS UNIT | | | | | | | | | | DRAWING BY HP3PHASE-REV1 | SHEET NO. 1 OF 5 | | | | |

BURLINGTON RESOURCES O&G CO LP

MANSFIELD #2 B

1279' FNL & 2567' FEL

LOCATED IN THE NW/4 NE/4 OF SECTION 19,

T30N, R9W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

-) FROM HWY 173 AT MP 9.8 GO SOUTH ON FIELD ROAD 0.5 MILES TO BEGIN NEW ACCESS.
-) TURN LEFT, FOLLOW RED FLAGGING 104" TO LOCATION.

WELL FLAG LOCATED AT LAT. 36.80110°N LONG. 107.821141°W (NAD 83)

JOB No.: COPC150_REV1
DATE: 05/29/08

Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8837