

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 09 2009

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | |
|--|---|-----------------|
| 1a. Type of Work DRILL | 5. Lease Number SF-078739 Unit Reporting Number | |
| 1b. Type of Well GAS | 6. If Indian, All. or Tribe | |
| 2. Operator ConocoPhillips | 7. Unit Agreement Name San Juan 30-5 Unit | |
| 3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700 | 8. Farm or Lease Name 9. Well Number 75N | |
| 4. Location of Well Unit N (SESW), 920' FSL & 1585' FWL, Latitude: 36.793424 N Longitude: 107.366238 W | 10. Field, Pool, Wildcat Basin Dakota Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) N Sec. 21, T30N, R5W API # 30-039-30643 | |
| 14. Distance in Miles from Nearest Town 57.4 miles/Blomfield | 12. County Rio Arriba | 13. State NM |
| 15. Distance from Proposed Location to Nearest Property or Lease Line 920' | | |
| 16. Acres in Lease 2,320.00 | 17. Acres Assigned to Well DK & MV 320.00 (W/2) | |
| 18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 594'5 from SJ 30-5 #217 (FC) | | |
| 19. Proposed Depth 7972' | 20. Rotary or Cable Tools Rotary | |
| 21. Elevations (DF, FT, GR, Etc.) 6528' GL | 22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS". | |
| 23. Proposed Casing and Cementing Program See Operations Plan attached | | |
| 24. Authorized by: Patsy Clugston (Sr. Regulatory Specialist) | Date 1/9/09 | |

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 3

Bond Numbers ES-0048 and ES-0085

NMOCD

FEB 05 2009

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

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

JAN 09 2009

Bureau of Land Management

Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | |
|--|--|--|--|---|---------------------------------|
| ¹ API Number 30-039-30043 | | ² Pool Code 71599/72319 | | ³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE | |
| ⁴ Property Code 17260 31327 | | ⁵ Property Name SAN JUAN 30-5 UNIT | | | ⁶ Well Number 75N |
| ⁷ OGRID No. 217817 | | ⁸ Operator Name CONOCOPHILLIPS COMPANY | | | ⁹ Elevation 6528 |

¹⁰ SURFACE LOCATION

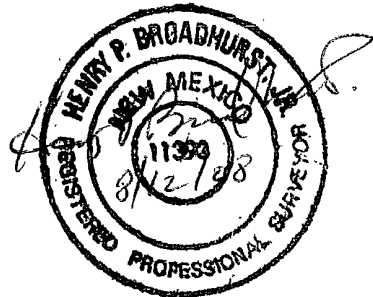
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| N | 21 | 30-N | 5-W | | 920 | SOUTH | 1585 | WEST | RIO ARRIBA |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| N | | | | | | | | | |

| | | | |
|---|------------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres 320.00 (W/2) | ¹³ Joint or Infill 2 | 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 GLO 1916 5277.3' (W) 5280.0' (E) FEE W/2 DEDICATED ACREAGE USA SF-078739 SECTION 21, T-30-N, R-5-W 1585' 920' GLO 1916 N 89°49' E N 89°33'46" E 5260.2' (R) 5240.0' (M) GLO 1916 | | 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 <u>Crystal Tafoya</u> 8/20/08 Printed Name <u>Crystal Tafoya</u> Regulatory Technician Title and E-mail Address August 20, 2008 Date | |
| 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: 7/9/08 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393 | | | |

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

| | | |
|------------------------|------|-----------|
| BURLINGTON RESOURCES | | |
| WAN.RFE.PD08.K6 | | |
| SAN JUAN 30 - 5 # 75 N | DATE | 8/19/2008 |
| WELL NAME | | |
| WELL NAME | | |

COORDINATES

COUNTY

| | | | | |
|------------|-------|-------|-------------|--------------|
| SEC | TNSHP | RANGE | LATITUDE | LONGITUDE |
| N 21 | 30 N | 5 W | 36.793424 N | 107.366238 W |
| RIO ARRIBA | | | | |

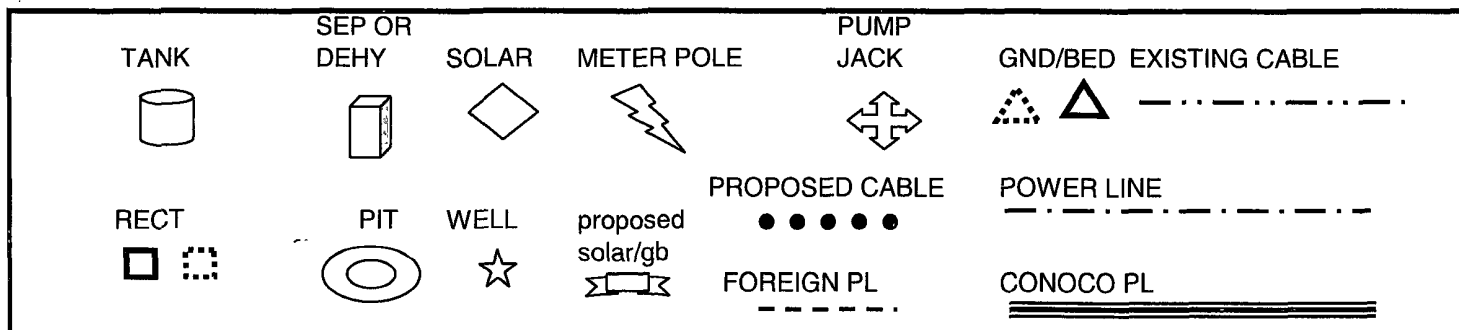
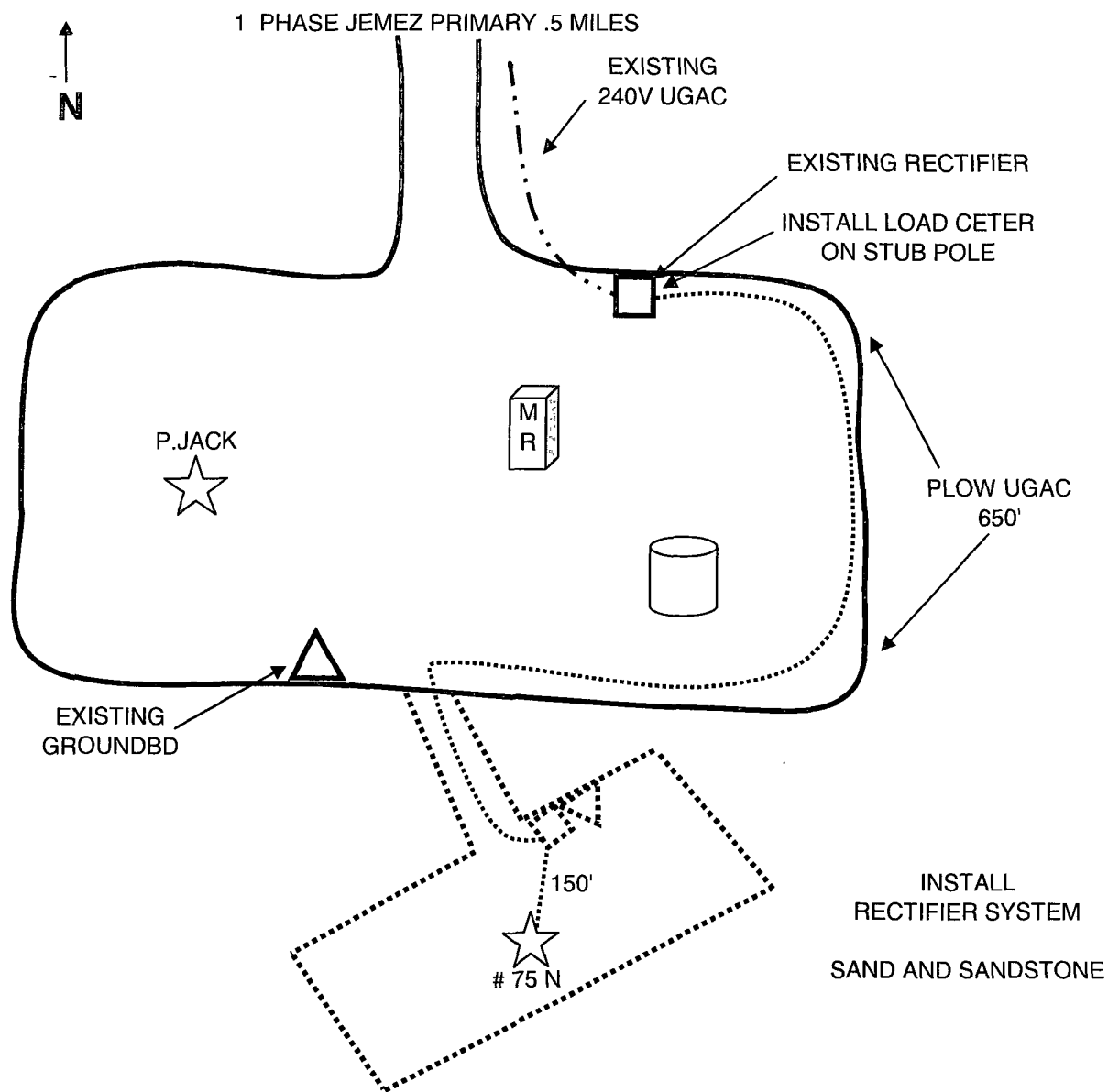
RECTIFIER
SOLAR
GROUND BED
240 V METER POLE
480 V METER POLE
D C CABLES
A C CABLES
PRIMARY POWER
DISTANCE TO POWER
UNDERGROUND
PUMPJACK
WATER PUMP

| SIZE | NEEDED | EXISTING | 1 PHASE | 3 PHASE |
|-------|--------|----------|----------|---------|
| 30/12 | X | | | |
| | | | | |
| | X | | | |
| | | | | |
| # 8 | 200' | | | |
| # 8 | 750' | | | |
| | | | JEMEZ | |
| | | | .5 MILES | |
| | | | | |
| | | | | |

COMMENTS

| |
|----------------------------------|
| PLOW UGAC 650' |
| INSTALL RECTIFIER SYSTEM |
| SAND AND SANDSTONE |
| 1 PHASE JEMEZ PRIMARY .5 MILES |
| INSTALL LOAD CENTER ON STUB POLE |

| | |
|-----------|------------------------|
| WELL NAME | SAN JUAN 30 - 5 # 75 N |
|-----------|------------------------|



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 75N

DEVELOPMENT

| | | | | | |
|--|---------------------------------|-----------------------------|--------------------------|------------------|--------------------|
| Lease: | | AFE #: WAN.CDR.8200 | | AFE \$: | |
| Field Name: hBR_SAN JUAN | | Rig: H&P Rig 281 | | State: NM | County: RIO ARRIBA |
| API #: | | | | | |
| 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) | | | | |
| FRR | BASIN DAKOTA (PRORATED GAS) | | | | |
| Location: Surface Datum Code: NAD 27 | | | | | |
| Latitude: 36.793417 | Longitude: -107.365636 | X: | Y: | Section: 21 | Range: 005W |
| Footage X: 1585 FWL | Footage Y: 920 FSL | Elevation: 6528 | (FT) | Township: 030N | |
| Tolerance: | | | | | |
| Location Type: Restricted | | Start Date (Est.): 1/1/2009 | | Completion Date: | Date In Operation: |
| Formation Data: Assume KB = 6540 Units = FT | | | | | |
| Formation Call & Casing Points | Depth (TVD in Ft) | SS (Ft) | Depletion (Yes/No) | BHP (PSIG) | BHT |
| Surface Casing | 200 | 6340 | <input type="checkbox"/> | | |
| OJO ALAMO | 2685 | 3855 | <input type="checkbox"/> | | |
| KIRTLAND | 2780 | 3760 | <input type="checkbox"/> | | |
| FRUITLAND | 2890 | 3650 | <input type="checkbox"/> | | Possible Gas |
| PICTURED CLIFFS | 3480 | 3060 | <input type="checkbox"/> | | |
| LEWIS | 3564 | 2976 | <input type="checkbox"/> | | |
| Intermediate Casing | 3664 | 2876 | <input type="checkbox"/> | | |
| HUERFANITO BENTONITE | 4235 | 2305 | <input type="checkbox"/> | | |
| CHACRA | 4563 | 1977 | <input type="checkbox"/> | | |
| MASSIVE CLIFF HOUSE | 5400 | 1140 | <input type="checkbox"/> | 450 | Gas |
| MENEFEE | 5438 | 1102 | <input type="checkbox"/> | | |
| POINT LOOKOUT | 5675 | 865 | <input type="checkbox"/> | | |
| MANCOS | 6076 | 464 | <input type="checkbox"/> | | |
| UPPER GALLUP | 6954 | -414 | <input type="checkbox"/> | | |
| GREENHORN | 7685 | -1145 | <input type="checkbox"/> | | |
| GRANEROS | 7725 | -1185 | <input type="checkbox"/> | | |
| TWO WELLS | 7847 | -1307 | <input type="checkbox"/> | 3000 | Gas |
| UPPER CUBERO | 7858 | -1318 | <input type="checkbox"/> | | |
| LOWER CUBERO | 7904 | -1364 | <input type="checkbox"/> | | |
| ENCINAL | 7974 | -1434 | <input type="checkbox"/> | | |
| Total Depth | 8004 | -1464 | <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. | | | | | |
| 8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 826 cuft. Circulate cement to surface. | | | | | |
| 6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 591 cuft. Circulate cement a minimum of 100' inside the previous casing string. | | | | | |
| Reference Wells: | | | | | |
| Reference Type | Well Name | Comments | | | |

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 75N

DEVELOPMENT

| | | | |
|-------------------------|---|---------------------------------|---------------------------------------|
| 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 checked="" type="checkbox"/> TDT | <input type="checkbox"/> Other |
|----------|---------------------------------------|-----------------------------------|------------------------------|--------------------------------|------------------------------|---|--------------------------------|

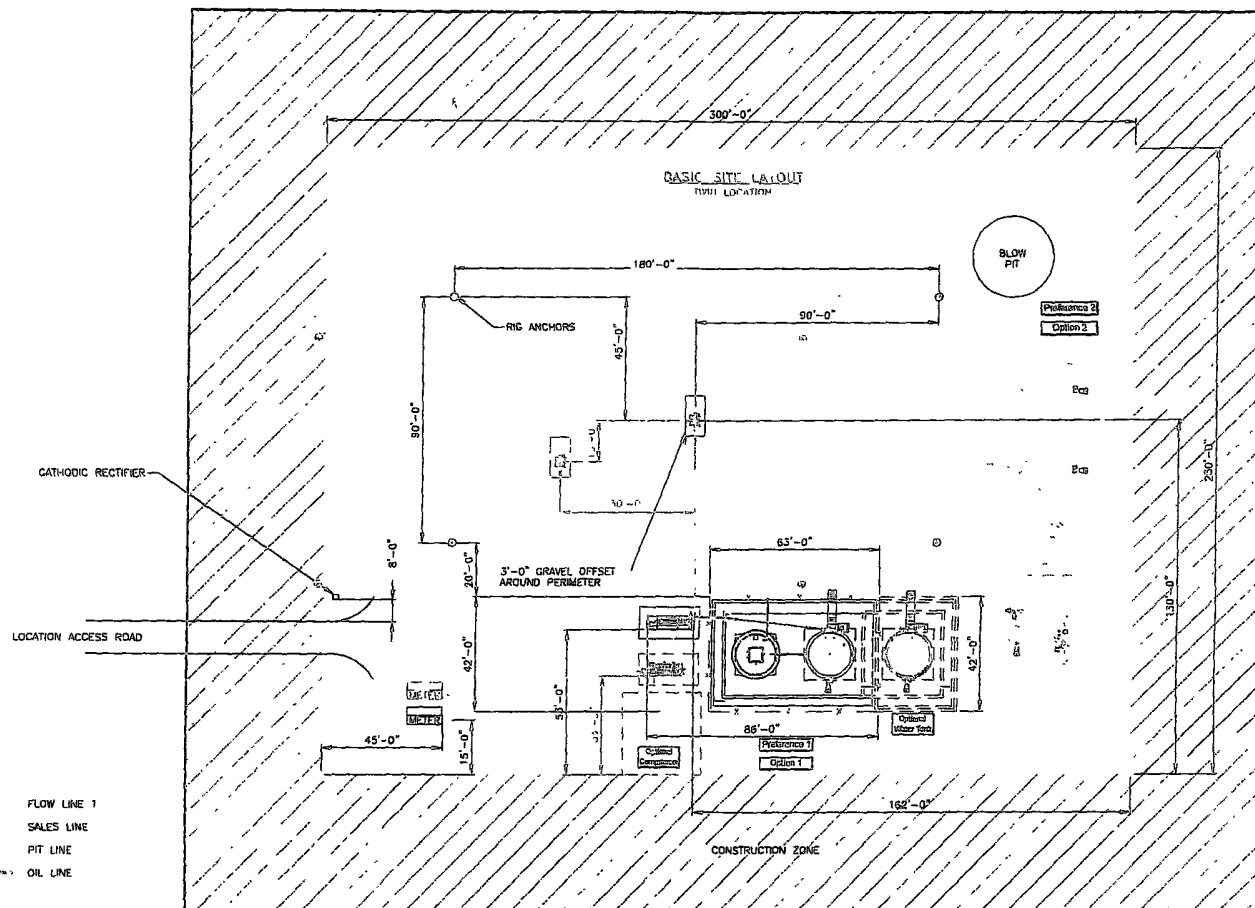
Est bottom perf ~20' above the est TD.

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

Comments: Location/Tops/Logging - MV/DKNM030N005W21SW2 Stay at least 800' away from SJ 30-5 Unit 30 (MV) and SJ 30-5 Unit 75 (DK).
Prefer N, K, M. Topo could be an issue.

Zones - MV/DKNM030N005W21SW2

General/Work Description - LEWIS INCLUDED



SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPING 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 | |
|--------------------|-------------|------|----|-------|-----|-----|----|---------|-------------|--------------------|-------------|------------------------|--|--|-----------------------|--|--|-------------------------------|--|
| NO. | DESCRIPTION | DATE | BY | CHK'D | ENG | DES | PM | PROJECT | DESCRIPTION | NO. | DESCRIPTION | SAN JUAN BUSINESS UNIT | | | CLIENT APPR. | | | APPR. DATE | |
| | | | | | | | | | | | | | | | CLIENT NO. | | | SCALE 1/8" = 1' | |
| | | | | | | | | | | | | | | | DESIGN NO. | | | DATE 6/30/07 | |
| | | | | | | | | | | | | | | | WWS, Inc. | | | HP3PHASE-REV1 | |
| | | | | | | | | | | | | | | | SHEET No. | | | 1 OF 5 | |

\\nrcna\3\AgePH\Acad\Arch\Regulatory\San Juan Location Site Layout\Comp. 05/28/2007 - 05:29pm

CONOCOPHILLIPS COMPANY

SAN JUAN 30-5 UNIT #75N

920' FSL, 1585' FWL

SECTION 21, T-30-N, R-5-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.793424°N LONG.: 107.366238°W

ELEV.: 6528 NAVD88

NEW ACCESS 333.0'

FROM BLOOMFIELD, N.M.:

- GO 37.7 MILES EAST ON HWY. 64 (MILE MARKER 102.3) TURN LEFT (NORTH) ON HWY. 527, A.K.A. SIMMS MARINA ROAD.
- GO 8.0 MILES NORTH ON HWY 527 (SIMMS MARINA ROAD). TURN RIGHT ONTO ROSA ROAD.
- GO 6.4 MILES ALONG ROSA ROAD, CROSSING LA JARA WASH (BY-PASS OLD BRIDGE) UP STEEP HILL. TURN RIGHT (EAST) AT BLM SIGN.
- GO 4.4 MILES EASTERLY, CROSSING LA FRAGUA WASH, STAYING ON MAIN ROAD. TURN RIGHT (SOUTH).
- GO 0.7 MILES SOUTH, THEN EAST, UP HILL. TURN LEFT INTO EXISTING WELL PADS.
- GO 0.2 MILES SOUTH EAST THROUGH WELL LOCATIONS FOR COPC SJ 30-5 #30, #75, AND #217. BEGIN 333.0 FT. NEW ACCESS FROM THE SOUTHEAST EDGE OF #217 WELL LOCATION.