

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

## Sundry Notices and Reports on Wells

2006 MAY 16 PM 1 41

1. Type of Well  
GAS

RECEIVED  
OTO FARMINGTON NM

2. Name of Operator  
ConocoPhillips

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

Surf - Unit E (SWNW), 2100' FNL & 660' FWL, Sec. 4, T30N, R6W, NMPM

BH - Unit E (SWNW), 2500' FNL & 1250' FWL, Sec. 4, T30N, R6W, NMPM

5. Lease Number  
NMSF-079012  
6. If Indian, All. or  
Tribe Name  
7. Unit Agreement Name

8. San Juan 31-6 Unit  
Well Name & Number

9. SJ 31-6 Unit #13G  
API Well No.

30-039-29643

10. Field and Pool

Basin DK / Blanco MV

11. County and State  
Rio Arriba Co., NM

**12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

## Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

## Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging

☐ Casing Repair

☐ Altering Casing

☒ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

☒ Other - Direction Drill Plans

**13. Describe Proposed or Completed Operations**

The subject well changed from a vertical drill well to a directional drill well. See the attached amended C102 (plat) and the directional drill plans. It was decided to directional drill this well to stay at least 500' from the existing FC in the area.

~~HOLD C102 FOR~~ directional survey

**14. I hereby certify that the foregoing is true and correct.**

Signed Patsy Clugston Patsy Clugston Title Sr. Regulatory Specialist Date 5/16/06

(This space for Federal or State Office use)

APPROVED BY Petr. Eng. Title Petr. Eng. Date 5/18/06

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

**FARMINGTON**

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer DD, Artesia, NM 88211-0719

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

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

RECEIVED  
070 FARMINGTON NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                |                        |               |                                 |
|----------------|------------------------|---------------|---------------------------------|
| *API Number    |                        | *Pool Code    | *Pool Name                      |
|                |                        | 72319 / 71599 | BLANCO MESAVERDE / BASIN DAKOTA |
| *Property Code | *Property Name         |               | *Well Number                    |
| 31328          | SAN JUAN 31-6 UNIT     |               | 13G                             |
| *OGRID No.     | *Operator Name         |               | *Elevation                      |
| 217817         | CONOCOPHILLIPS COMPANY |               | 6452'                           |

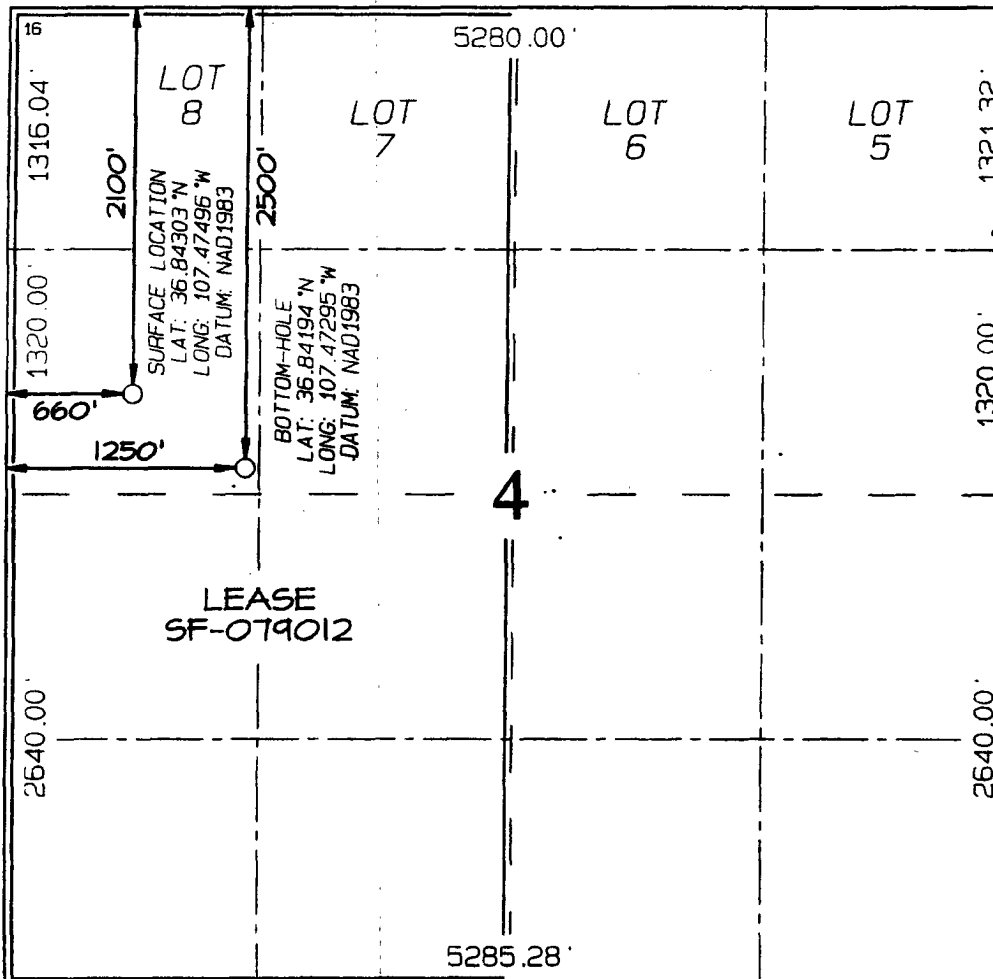
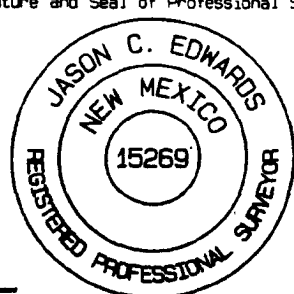
<sup>10</sup> Surface Location

|               |         |          |       |         |               |                  |               |                |            |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County     |
| E             | 4       | 30N      | 6W    |         | 2100          | NORTH            | 660           | WEST           | RIO ARRIBA |

<sup>11</sup> 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     |
| E                             | 4       | 30N                     | 6W    |                               | 2500          | NORTH                            | 1250          | WEST                    | RIO ARRIBA |
| <sup>12</sup> Dedicated Acres |         | 319.84 Acres - W/2 (MV) |       | <sup>13</sup> Joint or Infill |               | <sup>14</sup> Consolidation Code |               | <sup>15</sup> Order No. |            |
|                               |         | 319.84 Acres - W/2 (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

|                                                                                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | <p><sup>17</sup> OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Virgil E. Chavez</i><br/>Signature<br/>Virgil E. Chavez<br/>Printed Name<br/>Projects &amp; Operations Lead<br/>Title<br/><i>May 11, 2006</i><br/>Date</p> <p><sup>18</sup> SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey: MAY 26, 2005</p> <p>Signature and Seal of Professional Surveyor</p> <p><br/><b>JASON C. EDWARDS</b><br/>Certificate Number 15269</p> |
|-------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 31-6 13G

|                                     |                      |                                    |                    |                   |  |
|-------------------------------------|----------------------|------------------------------------|--------------------|-------------------|--|
| Lease:                              |                      | AFE #: WAN.CNV.6205                |                    | AFE \$:           |  |
| Field Name: 31-6                    | Rig: H&P 283         | State: NM                          | County: RIO ARRIBA | API #: 3003929643 |  |
| Geoscientist: Glaser, Terry J       | Phone: (832)486-2332 | Prod. Engineer: Moody, Craig E.    | Phone: 486-2334    |                   |  |
| Res. Engineer: Pena, David Fernando | Phone: 832-486-2328  | Proj. Field Lead: Fransen, Eric E. | Phone:             |                   |  |

## Primary Objective (Zones):

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

|                     |                        |                    |         |               |           |
|---------------------|------------------------|--------------------|---------|---------------|-----------|
| Location: Surface   |                        | Datum Code: NAD 27 |         | Deviated      |           |
| Latitude: 36.843030 | Longitude: -107.474960 | X: 0.00            | Y: 0.00 | Section: 4    | Range: 6W |
| Footage X: 660 FWL  | Footage Y: 2100 FNL    | Elevation: 6452    | (FT)    | Township: 30N |           |
| Tolerance:          |                        |                    |         |               |           |

|                       |                        |                    |      |               |           |
|-----------------------|------------------------|--------------------|------|---------------|-----------|
| Location: Bottom Hole |                        | Datum Code: NAD 27 |      | Deviated      |           |
| Latitude: 36.841928   | Longitude: -107.472410 | X:                 | Y:   | Section: 4    | Range: 6W |
| Footage X: 1250 FWL   | Footage Y: 2500 FNL    | Elevation: 6452    | (FT) | Township: 30N |           |
| Tolerance:            |                        |                    |      |               |           |

|                |                    |                  |                    |
|----------------|--------------------|------------------|--------------------|
| Location Type: | Start Date (Est.): | Completion Date: | Date In Operation: |
|----------------|--------------------|------------------|--------------------|

Formation Data: Assume KB = 6468 Units = FT

| Formation Call & Casing Points | Depth (TVD in Ft) | SS (Ft) | Depletion (Yes/No)                  | BHP (PSIG) | BHT | Remarks                                                                                                                                                                      |
|--------------------------------|-------------------|---------|-------------------------------------|------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Surface Casing                 | 216               | 6252    | <input type="checkbox"/>            |            |     | 13-1/2 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Circulate cement to surface.                                                                                                 |
| NCMT                           | 1393              | 5075    | <input type="checkbox"/>            |            |     |                                                                                                                                                                              |
| CJAM                           | 2448              | 4020    | <input type="checkbox"/>            |            |     | Possible water flows.                                                                                                                                                        |
| KRLD                           | 2568              | 3900    | <input type="checkbox"/>            |            |     |                                                                                                                                                                              |
| FRLD                           | 2998              | 3470    | <input type="checkbox"/>            |            |     | Possible gas.                                                                                                                                                                |
| PCCF                           | 3393              | 3075    | <input type="checkbox"/>            |            |     |                                                                                                                                                                              |
| LEWS                           | 3593              | 2875    | <input type="checkbox"/>            |            |     |                                                                                                                                                                              |
| Intermediate Casing            | 3693              | 2775    | <input type="checkbox"/>            |            |     | 8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Special Drift to 6.25". Circulate cement to surface.                                                                              |
| CHRA                           | 4538              | 1930    | <input type="checkbox"/>            |            |     |                                                                                                                                                                              |
| CLFH                           | 5363              | 1105    | <input type="checkbox"/>            |            |     | Gas; possibly wet                                                                                                                                                            |
| MENF                           | 5393              | 1075    | <input type="checkbox"/>            |            |     | Gas.                                                                                                                                                                         |
| PTLK                           | 5643              | 825     | <input type="checkbox"/>            |            |     | Gas.                                                                                                                                                                         |
| MNCS                           | 5893              | 575     | <input type="checkbox"/>            |            |     |                                                                                                                                                                              |
| CLLP                           | 6993              | -525    | <input checked="" type="checkbox"/> |            |     | Gas. Possibly wet.                                                                                                                                                           |
| CRHN                           | 7668              | -1200   | <input type="checkbox"/>            |            |     | Gas possible, highly fractured                                                                                                                                               |
| CBBO                           | 7858              | -1390   | <input type="checkbox"/>            |            |     | Gas                                                                                                                                                                          |
| TOTAL DEPTH DK                 | 8018              | -1550   | <input checked="" type="checkbox"/> |            |     | 6-1/4" Hole. 4-1/2", 11.6 ppf, N-80, LTC casing. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface. |

## Reference Wells:

| Reference Type | Well Name | Comments |
|----------------|-----------|----------|
|----------------|-----------|----------|

# PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 31-6 13G

## Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☒ TDT

## Additional Information:

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

Comments: Location/Tops/Logging - deviated to stay at least 500' from FC well.

### Zones - Drilling Mud Program:

Surface: spud mud

Intermediate: fresh water mud with bentonite and polymer as needed

Below Intermediate: air/mist/nitrogen drilling media with foamer, polymer, & corrosion inhibitor as needed

### Centralizer Program:

Surface: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2nd, 3rd, & 4th joints

Intermediate: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2nd, 4th, 6th, 8th, & 10th joints

Turbolizers placed one per joint from the top of the Ojo Alamo to the top of the Kirtland Shale

Below Intermediate: no centralizers used in air holes. In mud holes centralizers are spaced out appropriately

HOLE: 13.5"  
CSG OD: 9.625"  
CSG ID: 9.001"  
WGT: 32.3 ppf  
GRADE: H-40  
EXCESS: 125 %  
DEPTH: 235'

HOLE: 8.75"  
CSG OD: 7"  
CSG ID: 6.25"  
WGT: 23 ppf  
GRADE: J-55  
EXCESS: 150 %  
TAIL: 755.8'  
DEPTH: 3779'

HOLE: 6.25"  
CSG OD: 4.5"  
WGT: 4"  
GRADE: N-80  
EXCESS: 50 %  
DEPTH: 8104'

**SURFACE:**  
Option 1  
222 sx  
46.2 bbls  
259.5 cuft  
1.17 ft<sup>3</sup>/sx  
15.8 ppg  
4.973 gal/sx  
Class G Cement  
+ 3% S001 Calcium Chloride  
+ 0.25 lb/sx D029 Cellophane Flakes

Option 2  
214 sx  
46.2 bbls  
259.5 cuft  
1.21 ft<sup>3</sup>/sx  
15.6 ppg  
5.29 gal/sx  
Standard Cement  
+ 3% Calcium Chloride  
+ 0.25 lb/sx Flocele

**INTERMEDIATE LEAD:**  
Option 1  
400 sx  
194.0 bbls  
1089.3 cuft  
2.72 ft<sup>3</sup>/sx  
11.7 ppg  
15.74 gal/sx  
Class G Cement  
+ 3% D079 Extender  
+ 0.20% D046 Antifoam  
+ 10 lb/sx Phenoseal

Option 2  
419 sx  
194.0 bbls  
1089.3 cuft  
2.60 ft<sup>3</sup>/sx  
11.5 ppg  
14.62 gal/sx  
Type III Ashgrove Cement  
+ 30 lb/sx San Juan Poz  
+ 3% Bentonite  
+ 5.0 lb/sx Phenoseal

Option 3  
414 sx  
194.0 bbls  
1089.3 cuft  
2.63 ft<sup>3</sup>/sx  
11.7 ppg  
15.92 gal/sx  
Class G Cement  
+ 3% D079 Extender  
+ 0.20% D046 Antifoam  
+ 1.0 lb/bbl CemNet

**INTERMEDIATE TAIL:**  
Option 1  
224 sx  
52.2 bbls  
293.1 cuft  
1.31 ft<sup>3</sup>/sx  
13.5 ppg  
5.317 gal/sx  
50/50 Poz: Class G Cement  
+ 0.25 lb/sx D029 Cellophane Flakes  
+ 3% S001 Calcium Chloride  
+ 2% D020 Bentonite  
+ 1.5 lb/sx D024 Gilsontite Extender  
+ 0.1% D046 Antifoamer  
+ 6 lb/sx Phenoseal

Option 2  
220 sx  
52.2 bbls  
293.1 cuft  
1.33 ft<sup>3</sup>/sx  
13.5 ppg  
5.52 gal/sx  
50/50 Poz: Standard Cement  
+ 2% Bentonite  
+ 6.0 lb/sx Phenoseal

Option 3  
229 sx  
52.2 bbls  
293.1 cuft  
1.28 ft<sup>3</sup>/sx  
13.5 ppg  
5.255 gal/sx  
50/50 Poz: Class G Cement  
+ 2% D020 Bentonite  
+ 5.0 lb/sx D024 Gilsontite Extender  
+ 2% S001 Calcium Chloride  
+ 0.1% D046 Antifoamer  
+ 0.15% D065 Dispersant  
+ 1.0 lb/bbl CemNet

**PRODUCTION:**  
Option 1  
477 sx  
122.3 bbls  
686.4 cuft  
1.44 ft<sup>3</sup>/sx  
13.0 ppg  
6.47 gal/sx  
50/50 Poz: Class G Cement  
+ 0.25 lb/sx D029 Cellophane Flakes  
+ 3% D020 Bentonite  
+ 1.0 lb/sx D024 Gilsontite Extender  
+ 0.25% D167 Fluid Loss  
+ 0.25% D065 Dispersant  
+ 0.1% D800 Retarder  
+ 0.1% D046 Antifoamer  
+ 3.5 lb/sx Phenoseal

Option 2  
473 sx  
122.3 bbls  
686.4 cuft  
1.45 ft<sup>3</sup>/sx  
13.1 ppg  
6.55 gal/sx  
50/50 Poz: Standard Cement  
+ 3% Bentonite  
+ 0.2% CFR-3 Friction Reducer  
+ 0.1% HR-5 Retarder  
+ 0.8% Halad-9 Fluid Loss Additive  
+ 3.5 lb/sx Phenoseal

Option 3  
473 sx  
122.3 bbls  
686.4 cuft  
1.45 ft<sup>3</sup>/sx  
13.1 ppg  
6.55 gal/sx  
50/50 Poz: Standard Cement  
+ 3% Bentonite  
+ 0.2% CFR-3 Friction Reducer  
+ 0.1% HR-5 Retarder  
+ 0.8% Halad-9 Fluid Loss Additive  
+ 3.5 lb/sx Phenoseal

San Juan 31-6 #13G

HOLE: 13.5 "  
CSG OD: 9.625 "  
CSG ID: 9.001 "  
WGT: 32.3 ppf  
GRADE: H-40  
EXCESS: 125 %  
DEPTH: 235'

SURFACE:

INTERMEDIATE LEAD:

Option 4

378 sx  
194.0 bbls  
1089.3 cuft  
2.88 ft<sup>3</sup>/sx  
11.5 ppq  
16.85 gal/sx  
Standard Cement  
+ 3% Econolite (Extender)  
+ 10 lb/sx Phenoseal

Comp. Strength  
1:47 50 psi  
12 hrs 350 psi  
24 hrs 450 psi

HOLE: 8.75 "  
CSG OD: 7 "  
CSG ID: 6.25 "  
WGT: 23 ppf  
GRADE: J-55  
EXCESS: 150 %

TAIL: 755.8'

DEPTH: 3779'

Option 5

519 sx  
194.0 bbls  
1089.3 cuft  
2.10 ft<sup>3</sup>/sx  
11.7 ppq  
11.724 gal/sx  
75% Type XI / 25% Class G Cement  
+ 0.25 lb/sx D029 Callophane Flakes  
+ 3% D079 Extender  
+ 0.20% D046 Antifoam

Comp. Strength  
10:56 500 psi  
42 hrs 1012 psi

INTERMEDIATE TAIL:

PRODUCTION:

HOLE: 6.25 "  
CSG OD: 4.5 "  
CSG ID: 4 "  
WGT: 11.6 ppf  
GRADE: N-80  
EXCESS: 50 %  
DEPTH: 8104'

**TOPSET FRUITLAND COAL Wells:** (topset casing above coal to prepare for cavitation/DO/UR)

**Drilling Mud Program:**

Surface: spud mud

Intermediate: fresh water mud with bentonite and polymer as needed

Below Intermediate: air/mist/nitrogen drilling media with foamer, polymer, & corrosion inhibitor as needed

**Centralizer Program:**

Surface: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2<sup>nd</sup>, 3<sup>rd</sup>, & 4<sup>th</sup> joints

Intermediate: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup>, 8<sup>th</sup>, & 10<sup>th</sup> joints

Turbolizers placed one per joint from the top of the Ojo Alamo to the top of the Kirtland Shale

Below Intermediate: no centralizers used in air holes. In mud holes centralizers are spaced out appropriately

**CASE & FRAC FRUITLAND COAL Wells:** (casing set below coal to prepare for frac completion)

**Drilling Mud Program:**

Surface: spud mud

Production: fresh water mud with bentonite and polymer as needed

**Centralizer Program:**

Surface: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2<sup>nd</sup>, 3<sup>rd</sup>, & 4<sup>th</sup> joints

Production: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup>, 8<sup>th</sup>, & 10<sup>th</sup> joints

Turbolizers placed one per joint from the top of the Ojo Alamo to the top of the Kirtland Shale

**MESA VERDE Wells:**

**Drilling Mud Program:**

Surface: spud mud

Intermediate: fresh water mud with bentonite and polymer as needed

Below Intermediate: air/mist drilling media with foamer, polymer, & corrosion inhibitor as needed

**Centralizer Program:**

Surface: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2<sup>nd</sup>, 3<sup>rd</sup>, & 4<sup>th</sup> joints

Intermediate: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup>, 8<sup>th</sup>, & 10<sup>th</sup> joints

Turbolizers placed one per joint from the top of the Ojo Alamo to the top of the Kirtland Shale

Below Intermediate: no centralizers used in air holes. In mud holes centralizers are spaced out appropriately

**DAKOTA Wells:**

**Drilling Mud Program:**

Surface: spud mud

Intermediate: fresh water mud with bentonite and polymer as needed

Below Intermediate: air/mist/nitrogen drilling media with foamer, polymer, & corrosion inhibitor as needed

**Centralizer Program:**

Surface: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2<sup>nd</sup>, 3<sup>rd</sup>, & 4<sup>th</sup> joints

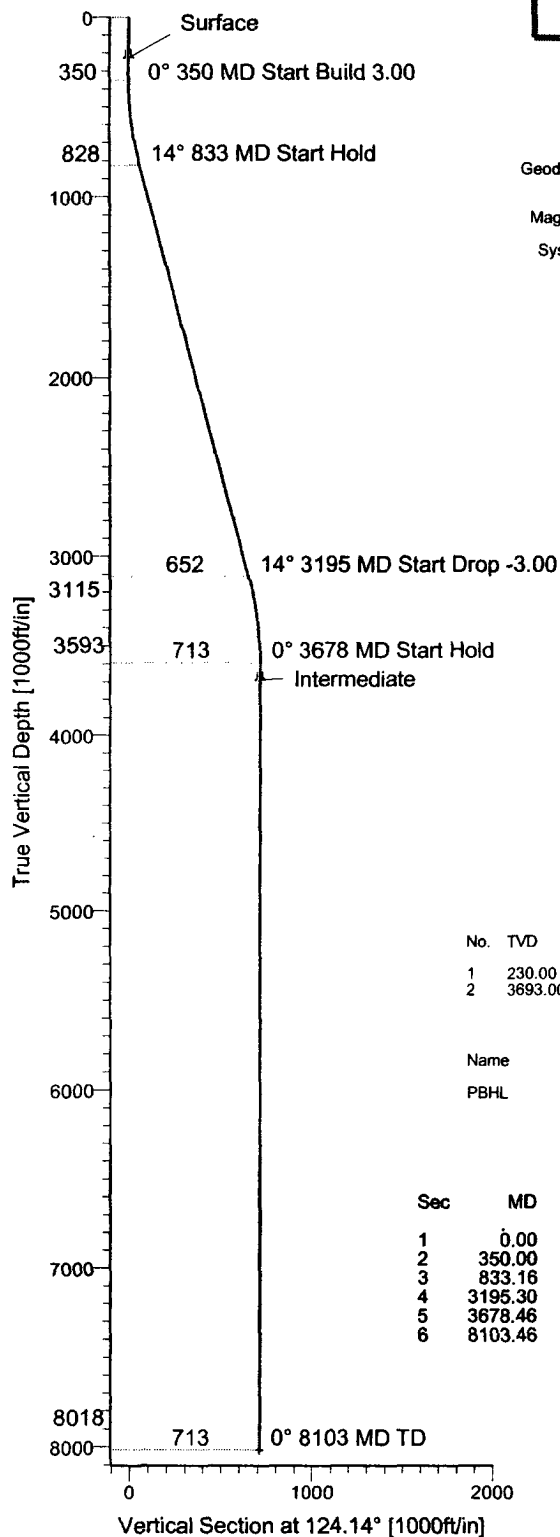
Intermediate: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup>, 8<sup>th</sup>, & 10<sup>th</sup> joints

Turbolizers placed one per joint from the top of the Ojo Alamo to the top of the Kirtland Shale

Below Intermediate: no centralizers used in air holes. In mud holes centralizers are spaced out appropriately



**ConocoPhillips**  
Field: Rio Arriba County, NM  
Site: San Juan 31-6 #13G  
Well: Well 31-6 #13G  
Wellpath: Original Hole  
Plan: Plan #1



#### FIELD DETAILS

Rio Arriba County, NM  
USA

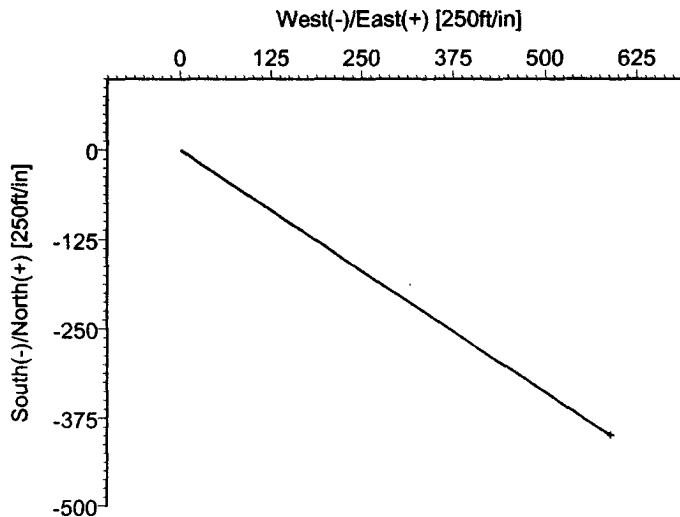
Geodetic System: US State Plane Coordinate System 1927  
Ellipsoid: NAD27 (Clarke 1866)  
Zone: New Mexico, Western Zone  
Magnetic Model: igrf2005

System Datum: Mean Sea Level  
Local North: Grid North

#### SITE DETAILS

San Juan 31-6 #13G  
Se. 4, T30N, R6W  
Rio Arriba County

Water Depth: 0.00  
Positional Uncertainty: 0.00  
Convergence: 0.00



#### CASING DETAILS

| No. | TVD     | MD      | Name         | Size  |
|-----|---------|---------|--------------|-------|
| 1   | 230.00  | 230.00  | Surface      | 9.625 |
| 2   | 3693.00 | 3778.46 | Intermediate | 7.000 |

#### WELLPATH DETAILS

| Original Hole | Rig:   |
|---------------|--------|
| SITE          | 0.00ft |
| Ref. Datum:   |        |

#### TARGET DETAILS

| Name | TVD     | +N/-S   | +E/-W  | Shape | V. Section Angle | Origin +N/-S | Origin +E/-W | Starting From TVD |
|------|---------|---------|--------|-------|------------------|--------------|--------------|-------------------|
| PBHL | 8018.00 | -400.00 | 590.00 | Point | 124.14°          | 0.00         | 0.00         | 0.00              |

#### SECTION DETAILS

| Sec | MD      | Inc   | Azi    | TVD     | +N/-S   | +E/-W  | DLeg | TFace  | VSec   | Target |
|-----|---------|-------|--------|---------|---------|--------|------|--------|--------|--------|
| 1   | 0.00    | 0.00  | 124.14 | 0.00    | 0.00    | 0.00   | 0.00 | 0.00   | 0.00   |        |
| 2   | 350.00  | 0.00  | 124.14 | 350.00  | 0.00    | 0.00   | 0.00 | 0.00   | 0.00   |        |
| 3   | 833.16  | 14.49 | 124.14 | 828.03  | -34.11  | 50.32  | 3.00 | 124.14 | 60.79  |        |
| 4   | 3195.30 | 14.49 | 124.14 | 3114.97 | -365.89 | 539.68 | 0.00 | 0.00   | 652.02 |        |
| 5   | 3678.46 | 0.00  | 124.14 | 3593.00 | -400.00 | 590.00 | 3.00 | 180.00 | 712.81 |        |
| 6   | 8103.46 | 0.00  | 124.14 | 8018.00 | -400.00 | 590.00 | 0.00 | 0.00   | 712.81 | PBHL   |

