

RCVD APR 26 '07

OIL CONS. DIV.

DIST. 3

Form 3160-3  
(February 2005)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

2006 JAN 27 PM 12 13

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 20075. Lease Serial No. **NM-012641**  
**NM-12641**

6. If Indian, Allottee or Tribe Name

## APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		7. If Unit or CA Agreement, Name and No.	
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		8. Lease Name and Well No. <b>BLANCO #7B</b>	
2. Name of Operator <b>ConocoPhillips Company</b>		9. API Well No. <b>30-045-33557</b>	
3a. Address <b>4001 Penbrook, Odessa, TX 79762</b>		10. Field and Pool, or Exploratory <b>BLANCO MESAVERDE</b>	
3b. Phone No. (include area code) <b>432-368-1230</b>		11. Sec., T. R. M. or Bk. and Survey or Area <b>SECTION 35, T31N, R8W NMPM</b>	
4. Location of Well (Report location clearly and in accordance with any State requirements, *) At surface <b>NESW 2110 FSL - 1925 FWL</b> At proposed prod. zone <b>2110 / S 1925 / W</b>		12. County or Parish <b>SAN JUAN</b>	
14. Distance in miles and direction from nearest town or post office*		13. State <b>NM</b>	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of acres in lease <b>1280 ACRES</b>	17. Spacing Unit dedicated to this well <b>320.0 ACRES - W/2</b>	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth <b>5738'</b>	20. BLM/BIA Bond No. on file <b>ES 0085</b>	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>6242' GL</b>	22. Approximate date work will start*	23. Estimated duration	

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan.  | 5. Operator certification   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service office). | 6. Such other site specific information and/or plans as may be required by the BLM.             |

25. Signature <i>Peggy James</i>	Name (Printed/Typed) <b>Peggy James</b>	Date <b>1/26/2006</b>
Title <b>Sr. Associate</b>		
Approved by (Signature) <i>[Signature]</i>	Name (Printed/Typed) <b>AFM</b>	Date <b>4/20/07</b>
Title <b>AFM</b>	Office <b>FFO</b>	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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 representations as to any matter within its jurisdiction.

\*(Instructions on page 2)

**HOLD 6184 FOR direction survey**

ConocoPhillips Company proposes to drill a vertical wellbore to the Blanco Mesaverde formation. This well will be drilled and equipped in accordance with the attachments submitted herewith. This application is for APD / ROW.

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

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

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

**NMOCD**

4/30/07

B

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

District II  
PO Drawer 00, 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

2006 SEP 29 AM 10 39

RCVD APR 26 '07

OIL CONS. DIV.

DIST. 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-045-33557</b>		Pool Code <b>72319 / 71599</b>		Pool Name <b>OTO FARMINGTON BLANCO MESAVERDE / BASIN DAKOTA</b>	
Property Code <b>31323</b>		Property Name <b>BLANCO</b>			Well Number <b>7B</b>
GRID No <b>217817</b>		Operator Name <b>CONOCOPHILLIPS COMPANY</b>			Elevation <b>6206'</b>

<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
L	35	31N	8W		1380	SOUTH	845	WEST	SAN JUAN

<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
K	35	31N	8W		2110	SOUTH	1925	WEST	SAN JUAN

<sup>12</sup> Dedicated Acres <b>320.0 Acres - W/2</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<p><b>16</b></p> <p>5235.12'</p> <p>5186.28'</p> <p>1925'</p> <p>N55°42.2'E 1310.8'</p> <p>845'</p> <p>1380'</p> <p>2617.56'</p> <p>2626.80'</p> <p>5175.72'</p> <p><b>35</b></p> <p>BOTTOM-HOLE LAT: 36.85326°N LONG: 107.64724°W DATUM: NAD83</p> <p>2110'</p> <p>SURFACE LOCATION LAT: 36.85124°N LONG: 107.55095°W DATUM: NAD83</p>	<p><b>17 OPERATOR CERTIFICATION</b></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></p> <p>Signature Virgil E. Chavez</p> <p>Printed Name Projects &amp; Operations Lead</p> <p>Title <i>August 7, 2006</i></p> <p>Date</p>
	<p><b>18 SURVEYOR CERTIFICATION</b></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: MARCH 6, 2006</p> <p>Signature and Seal of Professional Surveyor</p> <p> <b>JASON C. EDWARDS</b> Certificate Number 15269</p>

Submit 3 Copies To Appropriate District Office

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

State of New Mexico  
Energy, Minerals and Natural Resources

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

Form C- 1 03  
May 27, 2004

WELL API NO.

30-045-33557

5. Indicate Type of Lease

STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

BLANCO

8. Well Number 7B

9. OGRID Number 217817

10. Pool name or Wildcat

BLANCO MESAVERDE

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

ConocoPhillips Company

3. Address of Operator

4001 Penbrook, Odessa, TX 79762

4. Well Location

Unit Letter K 2110 feet from the SOUTH line and 1925 feet from the WEST line  
Section 35 Township 31N Range 8W NMPM SAN JUAN County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6242' GL

Pit or Below-grade Tank Application ☒ Closure ☐

Pit type DRILL Depth to Groundwater 60' Distance from nearest fresh water well 21000' Distance from nearest surface water 21000'  
Liner Thickness: 12 mil Below-Grade Tank: Volume 4400 bbls; Construction Material SYNTHETIC

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 ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

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

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 11.03. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The pit will be constructed and closed in accordance with Rule 50 and as per COPC June 2005 General Pit Plan on file with the NMOCD. See the attached diagram that details the location of the pit in reference to the proposed wellhead. The drill pit will be lined. The drill pit will be closed after the well has been completed

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 Peggy James

TITLE Sr. Associate

DATE 01/26/2006

Type or print name

E-mail address peggy.s.james@conocophillips.com:

Telephone No.: (432)368-1230

For State Use Only

APPROVED BY:

Conditions of Approval (if any):

DEPUTY OIL & GAS INSPECTOR, DIST. 43

TITLE

DATE

APR 30 2007

# PROJECT PROPOSAL - New Drill / Sidetrack

BLANCO 7B

Lease:		AFE #: WAN.CNV.6136		AFE \$:	
Field Name: NEW MEXICO-NORTH		Rig: H&P 281		State: NM	County: SAN JUAN
Geoscientist: Brain, Ted H.		Phone: 832-486-2592	Prod. Engineer: Piotrowicz, Greg M.		Phone: +1 832-486-3486
Res. Engineer:		Phone: 832 486-2651	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: 36.851240	Longitude: -107.650950	X:	Y:	Section: 35	Range: 8W
Footage X: 845 FWL	Footage Y: 1380 FSL	Elevation: 6206	(FT)	Township: 31N	
Tolerance:					

Location: Bottom Hole		Datum Code: NAD 27		Deviated	
Latitude: 36.853260	Longitude: -107.647240	X:	Y:	Section: 35	Range: 8W
Footage X: 1925 FWL	Footage Y: 2110 FSL	Elevation: 6242	(FT)	Township: 31N	
Tolerance:					

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6258 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	216	6042	<input type="checkbox"/>			13-1/2 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Circulate cement to surface.
NCMT	513	5745	<input type="checkbox"/>			
OJAM	1953	4305	<input type="checkbox"/>			Possible water flows.
KRLD	2123	4135	<input type="checkbox"/>			
FRLD	2858	3400	<input type="checkbox"/>			Possible gas.
PCCF	3138	3120	<input type="checkbox"/>			
LEWS	3338	2920	<input type="checkbox"/>			
Intermediate Casing	3438	2820	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Circulate cement to surface.
CHRA	4243	2015	<input type="checkbox"/>			
CLFH	4988	1270	<input type="checkbox"/>			Gas; possibly wet
MENF	5068	1190	<input type="checkbox"/>			Gas.
PTLK	5388	870	<input type="checkbox"/>			Gas.
MNCS	5638	620	<input type="checkbox"/>			
GRHN	7420	-1162	<input type="checkbox"/>			Gas possible, highly fractured
PAGU	7603	-1345	<input type="checkbox"/>			Gas. Highly Fractured.
CBBO	7648	-1390	<input type="checkbox"/>			Gas
TOTAL DEPTH DK	7820	-1562	<input 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.
Total Depth	7820	-1562	<input type="checkbox"/>			

## Reference Wells:

Reference Type	Well Name	Comments
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**PROJECT PROPOSAL - New Drill / Sidetrack**

BLANCO 7B

**Logging Program:**Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple ComboTD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☒ TDT**Additional Information:**

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - Well changed to directional

HOLE: 12.25 "  
 CSG OD: 9.625 "  
 WGT: 9.001 "  
 GRADE: 32.3 ppf  
 EXCESS: H-40  
 125 %  
 DEPTH: 235'

**SURFACE:**  
 Option 1  
 148 sx  
 30.8 bbls  
 172.9 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  
 Comp. Strength  
 6 hrs 250 psi  
 8 hrs 500 psi  
 psi

Option 2  
 143 sx  
 30.8 bbls  
 172.9 cuft  
 1.21 ft<sup>3</sup>/sx  
 15.6 ppg  
 5.29 gal/sx  
 Standard Cement  
 + 3% Calcium Chloride  
 + 0.25 lb/sx Floccle  
 Comp. Strength  
 6 hrs 250 psi  
 8 hrs 500 psi  
 psi

Option 3  
 65 sx  
 18.6 bbls  
 104.3 cuft  
 1.61 ft<sup>3</sup>/sx  
 14.5 ppg  
 7.41 gal/sx  
 Type I-II Ready Mix  
 + 20% Fly Ash  
 Comp. Strength  
 8 hrs 475 psi  
 24 hrs 1375 psi

### INTERMEDIATE LEAD:

Option 1  
 400 sx  
 193.7 bbls  
 1087.5 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  
 418 sx  
 193.7 bbls  
 1087.5 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  
 Comp. Strength  
 9 hrs 300 psi  
 48 hrs 525 psi  
 psi

Option 3  
 414 sx  
 193.7 bbls  
 1087.5 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  
 Comp. Strength  
 3 hrs 100 psi  
 24 hrs 443 psi

HOLE: 8.75 "  
 CSG OD: 7 "  
 WGT: 6.456 "  
 GRADE: 20 ppf  
 EXCESS: J-55  
 150 %  
 TAIL: 754.6'

DEPTH: 3773'

### INTERMEDIATE TAIL:

Option 1  
 224 sx  
 52.2 bbls  
 293.3 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% D048 Antifoamer  
 + 6 lb/sx Phenoseal  
 Comp. Strength  
 3:53 500 psi  
 8:22 1000 psi  
 24 hrs 3170 psi  
 48 hrs 5399 psi

Option 2  
 220 sx  
 52.2 bbls  
 293.3 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  
 Comp. Strength  
 2:05 50 psi  
 4:06 500 psi  
 12 hrs 1250 psi  
 24 hrs 1819 psi

Option 3  
 229 sx  
 52.2 bbls  
 293.3 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% D048 Antifoamer  
 + 0.15% D065 Dispersant  
 + 1.0 lb/bbl CemNet  
 Comp. Strength  
 24 hrs 1850 psi  
 48 hrs 3411 psi

HOLE: 6.25 "  
 CSG OD: 4.5 "  
 WGT: 4 "  
 GRADE: 11.6 ppf  
 EXCESS: N-80  
 50 %  
 DEPTH: 8155'

### PRODUCTION:

Option 1  
 485 sx  
 124.3 bbls  
 698.1 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% D048 Antifoamer  
 + 3.5 lb/sx Phenoseal  
 Comp. Strength  
 7 hrs 500 psi  
 24 hrs 2100 psi  
 psi

Option 2  
 481 sx  
 124.3 bbls  
 698.1 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% Haled-9 Fluid Loss Additive  
 + 3.5 lb/sx Phenoseal  
 Comp. Strength  
 9:32 50 psi  
 12 hrs 500 psi  
 13:29 1026 psi  
 24 hrs 2300 psi

Blanco #7B

HOLE: 12.25 "  
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  
193.7 bbls  
1087.5 cuft  
2.88 ft<sup>3</sup>/sx  
11.5 ppg  
16.85 gal/sx  
Standard Cement  
+ 3% Economite (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: 6.456 "  
WGT: 20 ppf  
GRADE: J-55  
EXCESS: 150 %

TAIL: 754.6'

DEPTH: 3773'

Option 5

518 sx  
193.7 bbls  
1087.5 cuft  
2.10 ft<sup>3</sup>/sx  
11.7 ppg  
11.724 gal/sx  
75% Type XI / 25% Class G Cement  
+ 0.25 lb/sx D029 Cellophane Flakes  
+ 3% D079 Extender  
+ 0.20% D046 Antifoam

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

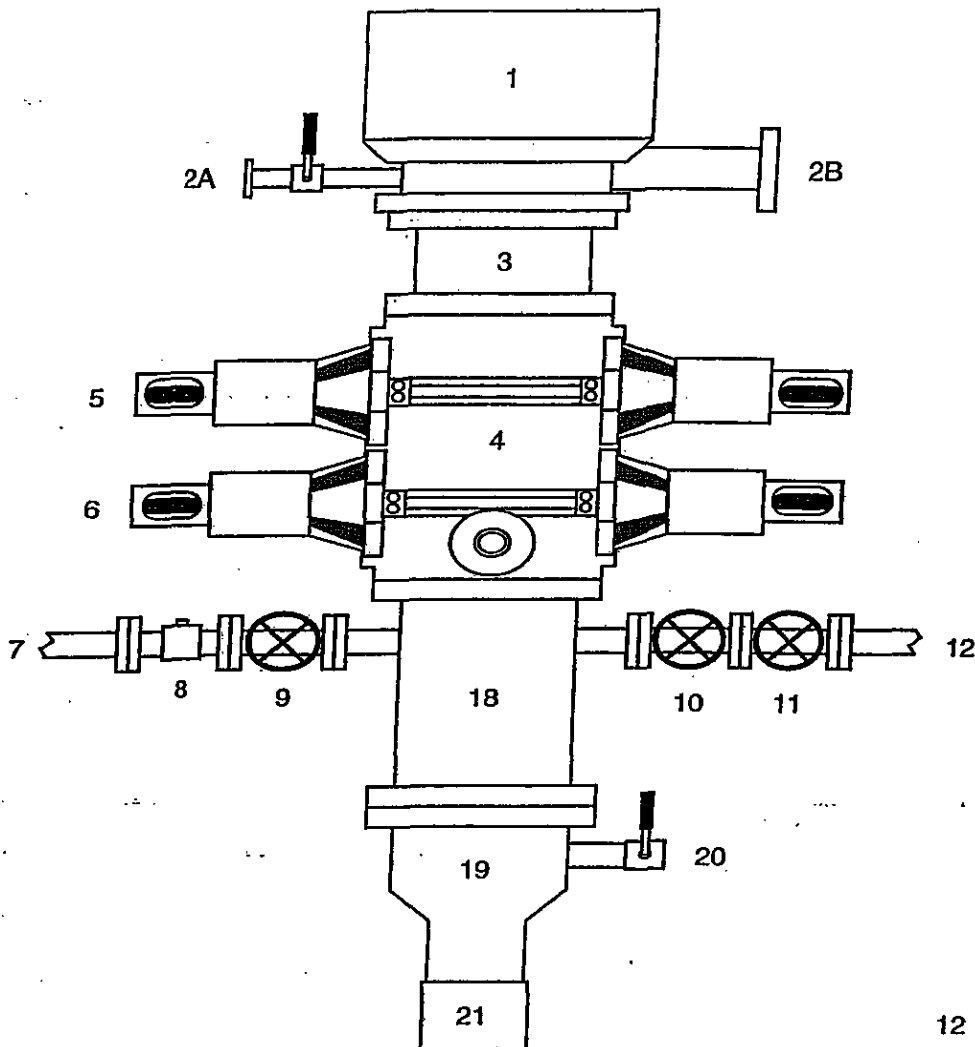
INTERMEDIATE TAIL:

HOLE: 6.25 "  
CSG OD: 4.5 "  
CSG ID: 4 "  
WGT: 11.6 ppf  
GRADE: N-80  
EXCESS: 50 %  
DEPTH: 8155'

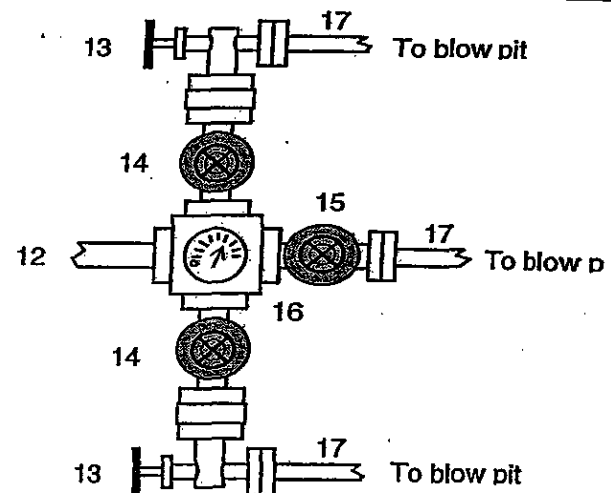
PRODUCTION:

# BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

For Drilling to Intermediate Casing Point & Setting 7" Intermediate Casing



1. Rotating Head
- 2A. Fill-up Line & valve
- 2B. Flowline
3. Spacer Spool
4. Double Ram BOP (11", 3000 psi)
5. Pipe Rams
6. Blind Rams
7. Kill Line
8. Kill Line Check Valve
9. Kill Line Valve
10. Inner Choke Line Valve (3")
11. Outer Choke Line Valve (3")
12. Choke Line (3")
13. Variable Choke
14. Choke Line Valve (2")
15. Panic Line Valve (3")
16. Choke Manifold Pressure Gauge
17. Choke Line (2")
18. Mud Cross Spacer Spool
19. Casing Head "A" Section
20. Casing Head "A" Section 2" Valve
21. 9 5/8" Casing Collar



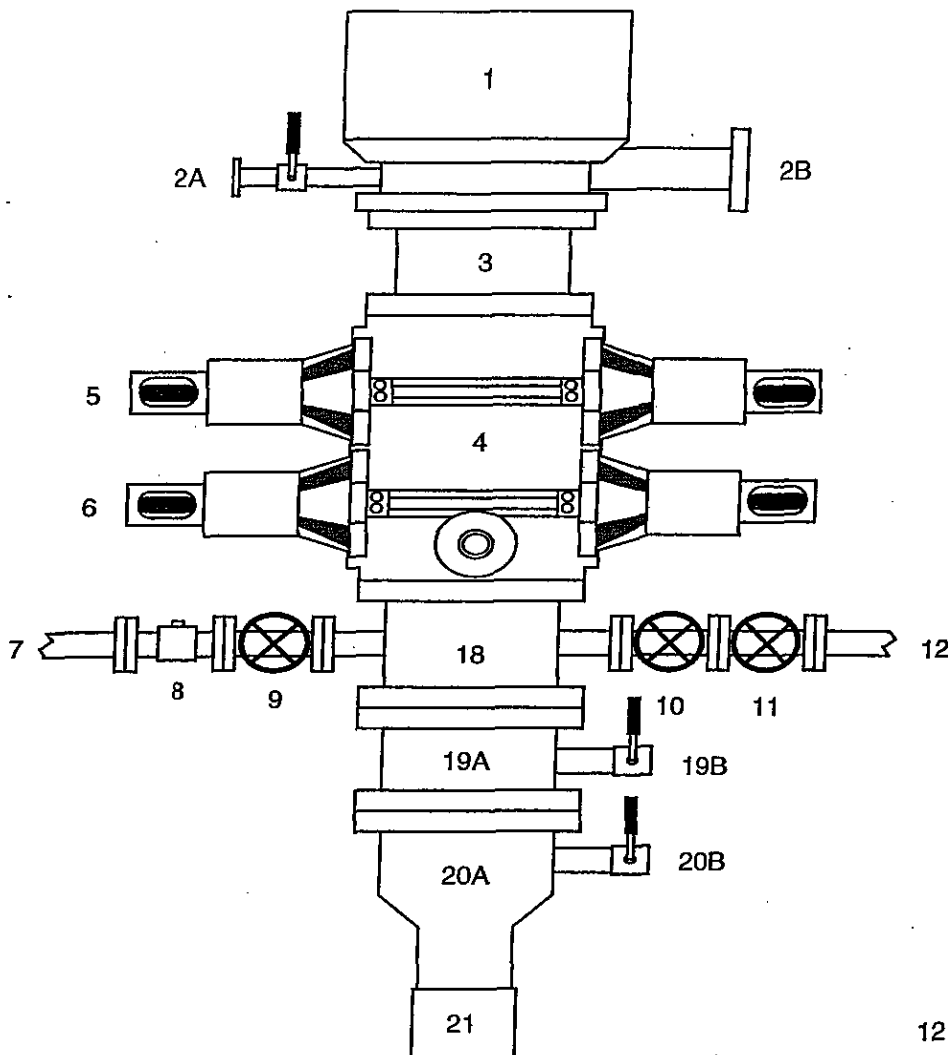
A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe rams and choke manifold will be tested to 200 psi to 300 psi (low pressure test) for 10 minutes and to 1000 psi (high pressure test) for 10 minutes. Then the test plug will be removed, and the 9-5/8" casing will be pressure tested against closed blind rams to 200 psi to 300 psi for 10 minutes and to 1000 psi for 30 minutes (this value is one 44% of the minimum internal yield pressure of the 9-5/8" casing). (Note: per regulatory requirements we will wait on cement at least 8 hrs after placement before testing the 9-5/8" surface casing). Then an 8-3/4" hole will be drilled to intermediate casing point and 7" intermediate casing will be run and cemented.

In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

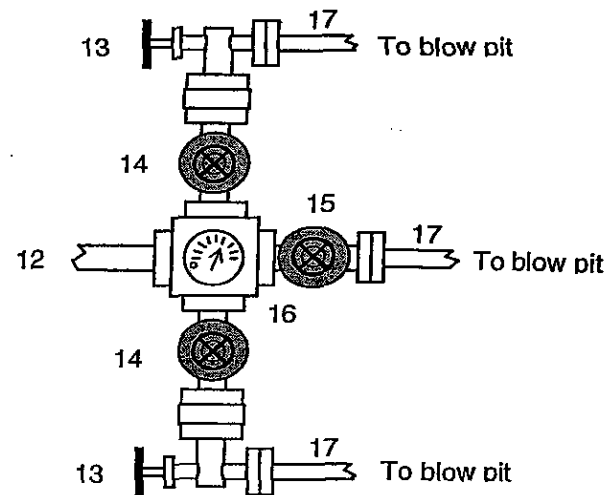


# BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

For Drilling to TD and Setting 4.5 inch Casing



1. Rotating Head
- 2A. Fill-up Line & valve
- 2B. Bleeie Line (for Air Drilling)
3. Spacer Spool
4. Double Ram BOP (11", 3000 psi)
5. Pipe Rams
6. Blind Rams
7. Kill Line
8. Kill Line Check Valve
9. Kill Line Valve
10. Inner Choke Line Valve (3")
11. Outer Choke Line Valve (3")
12. Choke Line (3")
13. Variable Choke
14. Choke Line Valve (2")
15. Panic Line Valve (3")
16. Choke Manifold Pressure Gauge
17. Choke Line (2")
18. Mud Cross Spacer Spool
- 19A Csg Spool "B" Section (11", 3M)
- 19B "B" Section Csg Valve (2", 3M)
- 20A Csg Head "A" Section (11", 3M)
- 20B "A" Section Csg Valve (2", 3M)
21. 9 5/8" Casing Collar



After the 7" intermediate casing has been run and cemented, the Casing Spool ("B" Section) will be installed on the wellhead ("A" Section) and the BOP will be installed on the Casing Spool. A test plug will be set in the wellhead and the pipe rams, blind rams, and choke manifold will be tested to 200 psi to 300 psi (low pressure test) for 10 minutes and to 3000 psi (high pressure test) for 10 minutes. Then the test plug will be removed and the 7" casing will be pressure tested against closed blind rams to 200 psi to 300 psi for 10 minutes and to 1800 psi for 30 minutes - this test pressure is 48% of the minimum internal yield strength of 3740 psi for the 7", 20#, J-55, STC casing. Then we will air drill the 6-1/4" hole to TD and run and cement the 4-1/2" casing.

In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

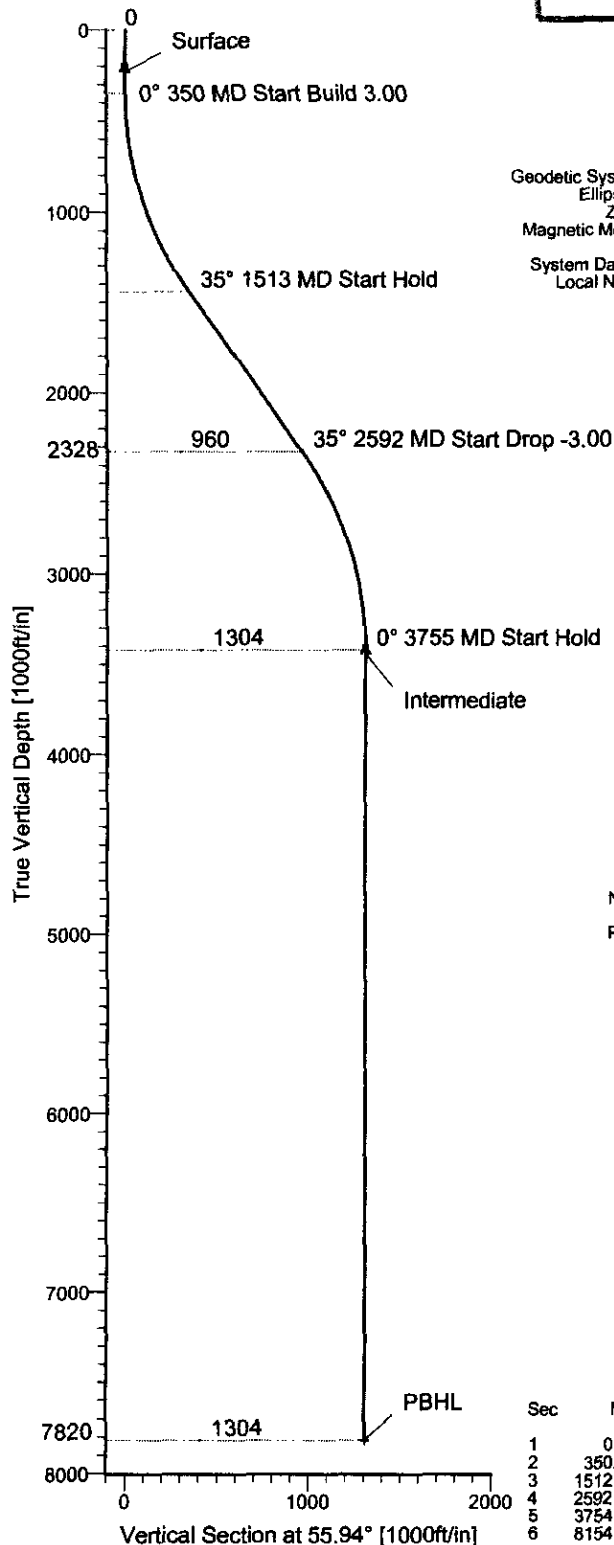
1. Upper Kelly cock Valve with handle
2. Stab-in TIW valve for all drillstrings in use

# ConocoPhillips

**ConocoPhillips**  
**Field:** San Juan County, NM  
**Site:** Blanco #7B  
**Well:** Well # 7B  
**Wellpath:** Original Hole  
**Plan:** Plan #1



Azimuths to Grid North  
 True North: -0.06°  
 Magnetic North: 10.43°  
 Magnetic Field  
 Strength: 51356nT  
 Dip Angle: 63.69°  
 Date: 8/1/2006  
 Model: igr2005



## FIELD DETAILS

San Juan County, NM  
 New Mexico  
 USA

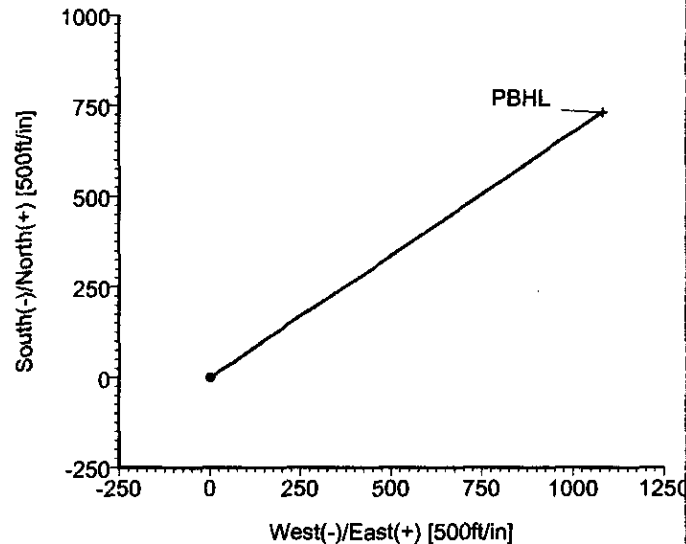
Geodetic System: US State Plane Coordinate System 1927  
 Ellipsoid: NAD27 (Clarke 1866)  
 Zone: New Mexico, Western Zone  
 Magnetic Model: igr2005

System Datum: Mean Sea Level  
 Local North: Grid North

## SITE DETAILS

Blanco #7B  
 Sec 35-T31N-R8W

Water Depth: 0.00  
 Positional Uncertainty: 0.00  
 Convergence: 0.00



## TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	7820.00	730.00	1080.00	0.00	0.00	Point

## WELLPATH DETAILS

### Original Hole

Rig:			
Ref. Datum:	SITE	0.00ft	
V.Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
55.94°	0.00	0.00	0.00

## CASING DETAILS

No.	TVD	MD	Name	Size
1	230.00	230.00	Surface	9.625
2	3439.00	3773.93	Intermediate	7.000

## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	55.94	0.00	0.00	0.00	0.00	0.00	0.00	
2	350.00	0.00	55.94	350.00	0.00	0.00	0.00	0.00	0.00	
3	1512.64	34.88	55.94	1442.15	192.13	284.25	3.00	55.94	343.09	
4	2592.29	34.88	55.94	2327.85	537.87	795.75	0.00	0.00	960.48	
5	3754.93	0.00	55.94	3420.00	730.00	1080.00	3.00	180.00	1303.57	
6	8154.93	0.00	55.94	7820.00	730.00	1080.00	0.00	0.00	1303.57	PBHL

Ryan Energy Technology  
 19510 Oil Center Blvd  
 Houston, TX 77073  
 Ph: 281-443-1414  
 Fx: 281-443-1676

**Ryan** The leader in  
 UNDERGROUND INTELLIGENCE™

Plan: Plan #1 (Well # 7B/Original Hole)

Created By: Alexia Gonzalez Date: 8/1/2006  
 Checked: \_\_\_\_\_ Date: \_\_\_\_\_  
 Reviewed: \_\_\_\_\_ Date: \_\_\_\_\_  
 Approved: \_\_\_\_\_ Date: \_\_\_\_\_

**Blanco #7B****TVD - MD Formation Tops**

<b>Formation</b>	<b>TVD</b>	<b>MD</b>
San Jose	13	13
Surface Casing	216	216
NCMT	513	513.22
OJAM	1953	2135.35
KRLD	2123	2342.58
FRLD	2858	3184.37
PCCF	3138	3600.00
Lewis	3338	3520.00
Intermediate Casing	3438	3772.93
Chacra	4243	4577.93
Cliffhouse	4988	5322.93
Menefee	5068	5402.93
Point Lookout	5388	5722.93
Mancos Shale	5638	5972.93
Greenhorn	7420	7754.93
Pagu	7603	7937.93
Cubero	7648	7982.93
TD	7820	8155.00

**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

RCVD APR26'07

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DIL CONS. DIV.

DIST. 3

## Sundry Notices and Reports on Wells

1. Type of Well  
GAS

2006 SEP 29 AM 10 39

RECEIVED  
070 FARMINGTON NM

2. Name of Operator  
**BURLINGTON**  
RESOURCES OIL & GAS COMPANY LP

3. Address & Phone No. of Operator

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

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

Surface - Unit L (NWSW), 1380' FSL & 845' FWL, Sec. 35, T31N, R8W, NMPM  
Est. BH - Unit K, (N#SW), 2110' FSL & 1925' FWL, Sec. 35, T31N, R8W, NMPM

5. Lease Number  
NMNM-12641  
6. If Indian, All. or  
Tribe Name  
7. Unit Agreement Name

8. Well Name & Number

Blanco #7B  
9. API Well No.

30-045-33557

10. Field and Pool

Basin DK & Blanco MV  
San Juan 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 - Moved location sundry

## 13. Describe Proposed or Completed Operations

The subject well was moved at the BLMs request since the well is in an ACEC area. This will now be a directional drill well. The attached plat shows the surface and estimated bottomhole location. Attached also find the new drilling plan and the new surface use plan.

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

Signed

Patsy Clugston

Title Sr. Regulatory Specialist

Date

9/29/06

(This space for Federal or State Office use)

APPROVED BY

Title

AFEM

Date

9/28/07

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