

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505



Form C-101  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies  
☒ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

<sup>1</sup> Operator Name and Address CONOCO, INC. P.O. BOX 2197  HOUSTON TX 77252		<sup>2</sup> OGRID Number 005073
		<sup>3</sup> API Number 30-045-30227
<sup>4</sup> Property Code 3251	<sup>5</sup> Property Name STATE	<sup>6</sup> Well No. 32B

<sup>7</sup> Surface Location

Approval Date:

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	36	30N	11W		2180'	SOUTH	660'	EAST	SAN JUAN

<sup>8</sup> Proposed 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
<sup>9</sup> Proposed Pool 1 BLANCO MESAVERDE					<sup>10</sup> Proposed Pool 2				

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 5953
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth 5460'	<sup>18</sup> Formation BLANCO MESAVERDE	<sup>19</sup> Contractor N/A	<sup>20</sup> Spud Date 06/12/2000

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	9-5/8" WC-50	36#	250'	125 SXS	SURFACE
8-3/4"	7" WC-50	20#	1920'	318 SXS	SURFACE
6-1/4"	4-1/2" WC-50	10.5#	5160'	245 SXS	200' INT. CSG.

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Conoco, Inc. proposes to drill a vertical wellbore through the Blanco Mesaverde formation. This well was originally permitted with a liner and now is changed to 4-1/2" long string casing. Attached:

Well Location & Acreage Dedication Plat  
Revised Well Plan Outline  
Revised Cementing Program  
BOP/Choke Diagram

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Deborah Marberry</i>		OIL CONSERVATION DIVISION	
Printed name: DEBORAH MARBERRY		Approved by: <i>[Signature]</i>	
Title: REGULATORY ANALYST		Title: DEPUTY OIL & GAS INSPECTOR, DIST. 3	
Date: 05/30/2000		MAY 31 2000	
Phone: (281)293-1005		Expiration Date:	
		Conditions of Approval : Attached <input type="checkbox"/>	

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-101  
Revised February 10, 1994  
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☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address. Conoco Inc 10 Desta Dr. Ste. 649W Midland, Tx. 79705-4500		OGRID No. 005073
Property Code 3251	Property Name State	API Number 30-0 45-30227
		Well No. 32B

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	36	30N	11W		2180	South	660	East	San Juan

Proposed 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
Proposed Pool 1 Blanco Mesverde					Proposed Pool 2				

Work Type Code N 16 Multiple No	Well Type Code G 17 Proposed Depth 5460'	Cable/Rotary R 18 Formation Blanco Mesverde	Lease type Code S 19 Contractor N/A	14 Ground Level Elevation 5953 20 Spud Date 5-15-00
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Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	9-5/8", WC-50	32.5#	250'	125 sxs	Surface
8-3/4"	7", WC-50	20#	1920'	287 sxs	Surface
6-1/4"	4-1/2", WC-50	10.5#	5160'	257 sxs	1720' TOL

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

It is proposed to drill a vertical wellbore through the Blanco Mesaverde formation. The well will be drilled and equipped according to the following additional attachments:

1. Well Location & Acreage Dedication Plat (C-102)
2. Proposed Well Plan Outline
3. Cementing program
4. BOP/Choke diagram

21 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Jo Ann Johnson</i>		OIL CONSERVATION DIVISION	
Printed name: Jo Ann Johnson		Approved by: <i>Charles T. L...</i>	
Title: Sr. Property Analyst		Title:	
Date: 5/2/00		Approval Date:	Expiration Date:
Phone: 915/686-5515		Conditions of Approval: Attached	

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State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-12  
Revised February 21, 1999  
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☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number <b>30-045-30227</b>		2 Pool Code <b>72319</b>	3 Pool Name <b>BLANCO MESAVERDE</b>
4 Property Code <b>3251</b>	5 Property Name <b>STATE</b>		6 Well Number <b>328</b>
7 OGRID No. <b>005073</b>	8 Operator Name <b>CONOCO, INC.</b>		9 Elevation <b>5953'</b>

#### 10 Surface Location


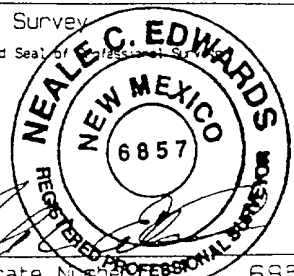
UL or lot no. <b>I</b>	Section <b>36</b>	Township <b>30N</b>	Range <b>11W</b>	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
					<b>2180</b>	<b>SOUTH</b>	<b>660</b>	<b>EAST</b>	<b>SAN JUAN</b>

#### 11 Bottom Hole Location If Different From Surface

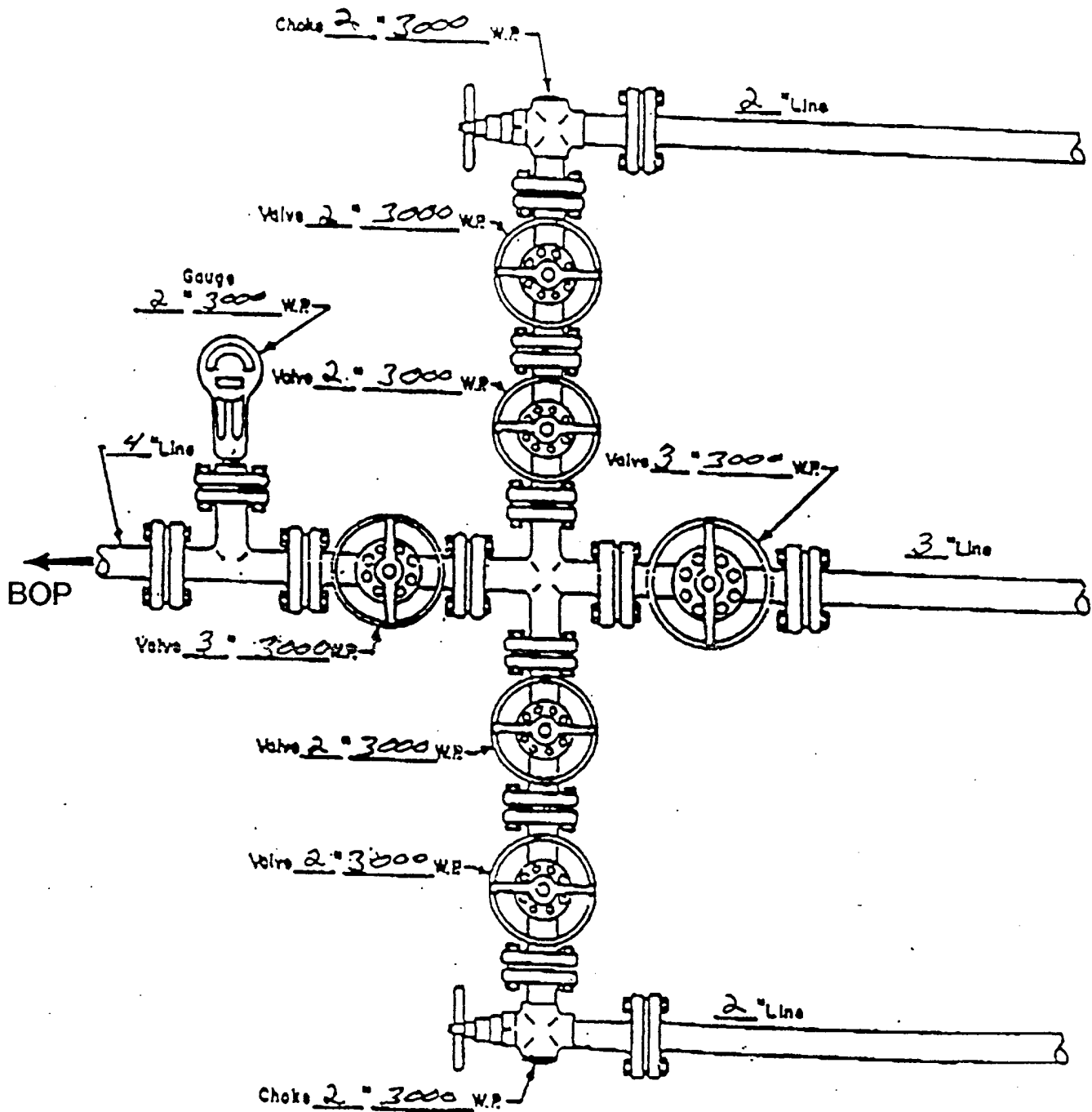
UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres <b>314.04</b>	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

 5311.68' 2621.52'	36	5217.96'	1040'	325'	1095'	2618.22'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
							Signature <i>Mike L. Mankin</i> Mike L. Mankin Printed Name Right-Of-Way Agent Title <b>4-19-00</b> Date	
							18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat as plotted from field notes of actual surveys made by me under my supervision, and that the same is true and correct to the best of my belief.	
							APRIL 12, 2000 Date of Survey Signature and Seal of Registered Professional Surveyor  Certificate Number <b>6857</b>	

# CHOKE MANIFOLD DIAGRAM



MANIFOLD  
3000 #W.P.

- ☒ Manual
- ☐ Hydraulic

At Conoco our work is never so urgent or important that we cannot take time to do it safely.  
SAN JUAN DRILLING PROGRAM

WELL INFO	Well: State 32B			Area: West		AFE #		AFE \$:	
	County: San Juan			State: NM		Rig: Unknown		RKB-GL: 12	
	API #		Permit #			Fresh Wtr Prot: Circulate cement on surface casing			
	MD: 5160'		TVD: 5160'			KOP: N/A		G.L. Elev: 5965'	
	Co-ordinates:	WELL	Latitude: ??° '	Longitude: ??° '		ERA	Latitude: ??° '	Longitude: ??° '	
	Location:	1960FNL-660FEL Spot I							
		Section: 36	Township: 30N		Range: 11W				
Directional:	N/A								

DISCUSSION	<b>THIS WELL IS TO BE DRILLED WITH SAFETY AND PROTECTION OF THE ENVIRONMENT AS THE PRIMARY OBJECTIVES! Use of the STOP program, Job Safety Analysis and Pre-Job Safety Meetings are imperative.</b>									
	Review Emergency Response Plan before rigging up and be prepared to execute the plan if needed!									
	It is the Drilling Representative's responsibility to read and follow all stipulations for each permit and ensure compliance.									
	<b>REGULATORY NOTIFICATIONS</b>									
	Notify the U.S. Bureau of Land Management (BLM) & New Mexico Oil Conservation Department (NMOCD):									
	1. Anytime a major deviation from the well plan (plug back, sidetrack, etc...) is going to occur. Leave a message with the intended plan if no one answers. <b>If in doubt notify!</b> Better to notify unnecessarily than not to and get a fine.									
	2. Immediately upon spudding.									
	3. 24 hours prior to any BOP or casing pressure test.									
	4. 24 hours prior to any cementing operation									
	<b>PHONE NUMBERS</b>									
BLM – Farmington: (505) 599-8907										
New Mexico Oil Conservation Department – Aztec: (505) 334-6178										
Notify Trigon Engineering (970) 385-9100 of spud - they will file the Notice of Spud Sundry.										
Contact either Debra Sittner @ ext. 25 or Verla Johnson @ ext. 20. (This is in addition to the phone calls to the BLM & NMOCD.)										
The objective of this well is to develop the Mesa Verde formations.										
Good oilfield practices are to be used throughout the drilling of this well. This includes measuring and recording the OD, ID and length of everything that goes through the rotary table, using hole covers, etc.										

TIME	Days From Spud to...							
	Surf Csg Pt	Drig Out	Int. Csg Pt	Drig Out	TD	Log	Prod Csg Set	Rig Rel.
Days	0.5	1.0	2.5	3.5	5	N/A	5.5	6.0

FORMATIONS	Zone	Depth (TVD)	MW	Zone psi	Hole Size	Csg Size	FIT / LOT	Remarks
	Surface Casing	+/- 250	8.4 – 8.8		12 1/4"	9 5/8"		Severe lost circulation is possible. 9 5/8", 36 ppf, J-55, STC Casing. Cement to surface.
	OJAM	1054	8.4 – 9.0		8 1/4"			Possible water flows. Control fluid loss (10-12 cc) prior to reaching Ojo Alamo.
	KRLD	1179						
	FRLD	1799						Set intermediate casing into FRLD, above coal seams.
	INT CSG	1920			7"			7", 20 ppf, J-55, STC Casing. Cement to surface.
	PCCF	2369	Air		6 1/4"			
	LEWS	2619						
	CHRA	3369		475				
	CLFH/MV	4029		563				Gas – Possible get wet in the bottom.
	MENF/MV	4079						Gas – Possible get wet.
	PTLK/MV	4659						
	TOTAL DEPTH	5160			4 1/2"			4 1/2", 10.5 ppf, J-55, STC (0' to TD). Cement to 200' inside INT CSG.
	PERMIT TO	5460						

LOGS	Intermediate Logs:	N/A
	TD Logs:	Cased hole TDT & CBL to be run by Production department.
	Additional Information:	Loggers to provide a sketch with all lengths, OD's & ID's of all tools prior to running in the hole.



Well: State 32B  
County: San Juan  
Area: West  
Rig: Key Rig 43

Company: Conoco, Inc.  
Engineer: Mr. Brett Thompson  
Date: 25-May-00

**Surface Casing:**

125 sx Type III Cement + 2%bwoc Calcium Chloride + 0.25 lbs/sk Cello Flake + 59.2% H2O

Slurry Weight:	14.6	ppg
Slurry Yield	1.39	cf/sk
Amount of Mix Water	6.67	gps
Pump Time	2:00	
Compressives		
8 hrs @ 80 F	800	psi
24 hrs @ 80 F	2150	psi
48 hrs @ 80 F	3625	psi

**Intermediate Casing:**

Slurry 1 212 sx Premium Lite Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sc Cello Flake + 8% bwoc Bentonite + 115.5% H2O

Slurry 2 106 sx Type III Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sk Cello Flake + 59.2% H2O

Slurry 1			Slurry 2		
Slurry Weight:	12.1	ppg	Slurry Weight:	14.6	ppg
Slurry Yield	2.23	cf/sk	Slurry Yield	1.39	cf/sk
Amount of Mix Water	12.05	gps	Amount of Mix Water	6.67	gps
Pump Time	3:00		Pump Time	2:00	
Compressives			Compressives		
8 hrs @ 80 F		psi	8 hrs @ 80 F	800	psi
24 hrs @ 80 F	250	psi	24 hrs @ 80 F	2150	psi
48 hrs @ 80 F	525	psi	48 hrs @ 80 F	3625	psi

**Production Casing:**

245 sx Premium Lite High Strength + 0.25 lbs/sk Cello Flake + .2% bwoc CD-32 + 0.65% bwoc FL-62 + 105.4% H2O

Slurry Weight:	12.5	ppg
Slurry Yield	2.13	cf/sk
Amount of Mix Water	11	gps
Pump Time	3:00	
Compressives		
8 hrs @ 140 F		psi
24 hrs @ 140 F	1600	psi
48 hrs @ 140 F	2000	psi