

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- 103
May 27, 2004

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.)		WELL API NO. 30-045-32895
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator CONOCOPHILLIPS COMPANY		6. State Oil & Gas Lease No. B-10938-51
3. Address of Operator 4001 PENBROOK, ODESSA, TX 79762		7. Lease Name or Unit Agreement Name STATE COM I
4. Well Location Unit Letter B 660 feet from the NORTH line and 1945 feet from the EAST line Section 36 Township 31N Range 9W NMPM SAN JUAN County		8. Well Number 5C
I 1. Elevation (Show whether DR, RKB, RT, GR, etc.) 6352' GL		9. OGRID Number 217817
		10. Pool name or Wildcat BASIN DAKOTA / BLANCO MESAVERDE

Pit or Below-grade Tank Application ☐ Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____
Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

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.

ConocoPhillips Company requests to change the completion of this well from a single Blanco Mesaverde to a downhole commingled Blanco Mesaverde / Basin Dakota.

The spacing unit for the Basin Dakota will be the N/2 of the section, 320.0 dedicated acres.

Revised well plan and cement calculations are attached as supporting documents.



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 NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Peggy James Peggy James

TITLE Sr. Associate

DATE 10/19/2005

Type or print name

E-mail address:

Telephone No.

For State Use Only

DEPUTY OIL & GAS INSPECTOR, DIST. 3

OCT 21 2005

APPROVED BY:

TITLE

DATE

Conditions of Approval (if any):

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-32895		*Pool Code 72319	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 31634	*Property Name STATE COM I		*Well Number 5C
*GRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY		*Elevation 6352'

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	36	31N	9W		660	NORTH	1945	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
¹² Dedicated Acres MV - 320.00 ACRES (N/2) DK - 320.00 ACRES (N/2)					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

<div><p>¹⁶</p><p>5254.92'</p><p>5216.64'</p><p>660'</p><p>LAT: 36°51.5938'N LONG: 107°43.7673'W DATUM: NAD27</p><p>LEASE B-10938-51</p><p>36</p><p>2657</p><p>2622.84'</p></div>	<div><p>¹⁷ 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>Vicki Westby</i> Signature Vicki R. Westby Printed Name Staff Agent Title 2-24-05 Date</p></div> <div><p>¹⁸ 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>Survey Date: JANUARY 20, 2005</p><p>Signature and Seal of Professional Surveyor</p><div><p>JASON C. EDWARDS NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 15269</p></div><p><i>JASON C. EDWARDS</i> Certificate Number 15269</p></div>
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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

STATE COM I 5C

Lease:		AFE #: WAN.CNV.5146		AFE \$:	
Field Name: WEST	Rig:	State: NM	County: SAN JUAN	API #: 3004532895	
Geoscientist: Brain, Ted H.	Phone: 832-486-2592	Prod. Engineer: Piotrowicz, Greg M.	Phone: +1 832-486-3486		
Res. Engineer: Skinner, Steve E	Phone: 832 486-2651	Proj. Field Lead: Fransen, Eric E.	Phone:		

Primary Objective (Zones):

Zone	Zone Name
2049	DAKOTA
R20002	MESAVERDE(R20002)

Location: Surface

Straight Hole

Latitude: 36.86	Longitude: -107.73	X:	Y:	Section: 36	Range: 9W
Footage X: 1945 FEL	Footage Y: 660 FNL	Elevation: 6352	(FT)	Township: 31N	
Tolerance:					

Location Type: Year Round Start Date (Est.): Completion Date: Date In Operation:

Formation Data: Assume KB = 6365 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	213	6152	<input type="checkbox"/>			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Circulate cement to surface.
NCMT	605	5760	<input type="checkbox"/>			
OJAM	1875	4490	<input type="checkbox"/>			Possible water flows.
KRLD	2025	4340	<input type="checkbox"/>			
FRLD	2890	3475	<input type="checkbox"/>			Possible gas.
PCCF	3190	3175	<input type="checkbox"/>			
LEWS	3390	2975	<input type="checkbox"/>			
Intermediate Casing	3490	2875	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Circulate cement to surface.
CHRA	4250	2115	<input type="checkbox"/>			
CLFH	5000	1365	<input type="checkbox"/>			Gas; possibly wet
MENF	5075	1290	<input type="checkbox"/>			Gas.
PTLK	5385	980	<input type="checkbox"/>			Gas.
MNCS	5635	730	<input type="checkbox"/>			
GLLP	6725	-360	<input type="checkbox"/>			Gas. Possibly wet.
GRHN	7430	-1065	<input type="checkbox"/>			Gas possible, highly fractured
PAGU	7620	-1255	<input type="checkbox"/>			Gas. Highly Fractured.
CBBO	7665	-1300	<input type="checkbox"/>			Gas
Total Depth	7785	-1420	<input type="checkbox"/>			6-1/4" hole. 4-1/2", 11.6 lb/ft, N-80, LTC casing. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT to 150' above the Ojo Alamo & GR to surface. CBL to 250' above top of cement.

Reference Wells:

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

STATE COM I 5C

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 checked="" type="checkbox"/> Other					
Cement Bond Log					
Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Zones - This well was originally a MV and was changed to a MV/DK in Oct. 2005

General/Work Description - State lease

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

Funds in the amount of \$791,544 gross (\$643,129 COPC net) are requested to drill and equip the referenced well as an 5,735' MV 80-acre well, to be located 660' FNL & 1945' FEL of Section 36-T31N-R9W, San Juan Co., NM. COPC has 81.25/68.125% in the MV. The pre-drill charge code is WAN.RFE.PDR5.56. The subject well is scheduled to spud on December 8, 2005.

Section 36-T31N-R9W is in an area with well-developed pay in both the Point Lookout and Cliffhouse members of the Mesaverde Group. It is estimated that this well will get 1.3 Bcf EUR from the Mesaverde. The Mesaverde flowstream is based on a 35/65% new reserves/acceleration split, with an IP of 228 mcf/d. The 10/13% economic indicators generated are: PI 1.67/1.42, NPV \$713M/\$463M, AARR of 23.1%.

State Com I #5C
Schlumberger Cementing Program

SURFACE CASING :

Drill Bit Diameter	12.25"	
Casing Outside Diameter	9.625"	Casing Inside Diam. 9.001"
Casing Weight	32.3	ppf
Casing Grade	H-40	
Shoe Depth	235'	
Cement Yield	1.17	cuft/sk
Cement Density	15.8	lb/gal
Excess Cement	125	%
Cement Required	148	sx

SHOE 235 ', 9.625 ", 32.3 ppf, H-40 STC

INTERMEDIATE CASING :

Drill Bit Diameter	8.75"	
Casing Outside Diameter	7"	Casing Inside Diam. 6.456"
Casing Weight	20	ppf
Casing Grade	J-55	
Shoe Depth	3490'	
Lead Cement Yield	2.72	cuft/sk
Lead Cement Density	11.7	lb/gal
Lead Cement Excess	150	%
Lead Cement Required	369	sx
Tail Cement Length	698'	
Tail Cement Yield	1.31	cuft/sk
Tail Cement Density	13.5	lb/gal
Tail Cement Excess	150	%
Tail Cement Required	208	sx

SHOE 3490 ', 7 ", 20 ppf, J-55 STC

PRODUCTION CASING :

Drill Bit Diameter	6.25"	
Casing Outside Diameter	4.5"	Casing Inside Diam. 4.000"
Casing Weight	11.6	ppf
Casing Grade	N-80	
Top of Cement	3290'	200' inside intermediate casing
Shoe Depth	7785'	
Cement Yield	1.44	cuft/sk
Cement Density	13	lb/gal
Cement Excess	50	%
Cement Required	475	sx

SHOE 7785 ', 4.5 ", 11.6 ppf, N-80 LTC

State Com I #5C			
Schlumberger Cementing Program			
	Surf. Csg	Int. Csg	Prod. Csg
OD	9.625	7	4.5
ID	9.001	6.456	4.000
Depth	235	3490	7785
Hole Diam	12.25	8.75	6.25
% Excess Lead		150	
% Excess Tail	125	150	50
Lead Yield		2.72	
Tail Yield	1.17	1.31	1.44
Ft of Tail Slurry	235	698	4495
Top of Tail Slurry	0	2792	3290
Top of Lead Slurry	N/A	0	N/A
Mud Wt (ppg)	8.9	9.0	air drill
Mud Type	WBM	WBM	air drill

Surface Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
Open Hole Annulus ¹	219	0.055804	2.25	27.5	154.4	132.0
Shoe Track Volume	42	0.078735	1	3.3	18.6	15.9
Total				30.8	172.9	147.8

Intermediate Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
Lead Open Hole Annulus	2557	0.026786	2.5	171.2	961.4	353.4
Lead Cased Hole Annulus	235	0.031116	1	7.3	41.1	15.1
Lead Total				178.5	1002.4	368.5
Tail Open Hole Annulus	698	0.026786	2.5	46.7	262.4	200.3
Tail Shoe Track Volume	42	0.040505	1	1.7	9.6	7.3
Tail Total				48.4	272.0	207.6

Production Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
Open Hole Annulus	4295	0.018282	1.5	117.8	661.3	459.2
Cased Hole Annulus	200	0.020826	1	4.2	23.4	16.2
Total				121.9	684.7	475.5

1. The length of the open hole annulus for the surface casing is Shoe Depth minus RKB.

State Com I #5C		
Schlumberger Cementing Program		
9-5/8 Surface Casing		
Cement Recipe	Class G Cement	
	+ 3% S001 Calcium Chloride	
	+ 0.25 lb/sx D029 Cellophane Flakes	
Cement Volume	148	sx
Cement Yield	1.17	cuft/sx
Cement Volume	172.9	cuft
Cement Density	15.8	ppg
Water Required	4.973	gal/sx
Compressive Strength		
Sample cured at 60 deg F for 8 hrs		
6 hrs	250	psi
8 hrs	500	psi

State Com I #5C
Schlumberger Cementing Program

7" Intermediate Casing		
Lead Slurry		
Cement Recipe	Class G Cement	
	+ 0.25 lb/sx D029 Cellophane Flakes	
	+ 3% D079 Extender	
	+ 0.20% D046 Antifoam	
	+ 10 lb/sx Pheno Seal	
Cement Required	369	sx
Cement Yield	2.72	cuft/sx
Slurry Volume	1002.4	cuft
	178.5	bbls
Cement Density	11.7	ppg
Water Required	15.74	gal/sx
Compressive Strength		
Sample cured at 140 deg F for 24 hrs		
9 hrs	300	psi
48 hrs	525	psi

7" Intermediate Casing		
Tail Slurry		
Cement Slurry	50 / 50 POZ: Class G Cement	
	+ 0.25 lb/sx D029 Cellophane Flakes	
	+ 2% D020 Bentonite	
	+ 1.5 lb/sx D024 Gilsonite Extender	
	+ 2% S001 Calcium Chloride	
	+ 0.10% D046 Antifoam	
	+ 6 lb/sx Pheno Seal	
Cement Required	208	sx
Cement Yield	1.31	cuft/sx
Slurry Volume	272.0	cuft
	48.4	bbls
Cement Density	13.5	ppg
Water Required	5.317	gal/sx
Compressive Strength		
Sample cured at 140 deg F for 24 hrs		
3 hrs 53 min	500	psi
8 hrs 22 min	1000	psi
24 hr	3170	psi
48 hr	5399	psi

State Com I #5C		
Schlumberger Cementing Program		
4-1/2" Production Casing		
Cement Recipe	50 / 50 POZ:Class G Cement	
	+ 0.25 lb/sx D029 Cellophane Flakes	
	+ 3% D020 Bentonite	
	+ 1.0 lb/sx D024 Gilsonite Extender	
	+ 0.25% D167 Fluid Loss	
	+ 0.15% D065 Dispersant	
	+ 0.1% D800 Retarder	
	+ 0.1% D046 Antifoamer	
	+ 3.5 lb/sx PhenoSeal	
Cement Quantity	475	sx
Cement Yield	1.44	cuft/sx
Cement Volume	684.7	cuft
	121.9	
Cement Density	13	ppg
Water Required	6.47	gal/sx
Compressive Strength		
Sample cured at 198 deg F for 24 hrs		
7 hrs	500	psi
24 hr	2100	psi

State Com I #5C
Halliburton Cementing Program

SURFACE CASING :

Drill Bit Diameter	12.25 "	
Casing Outside Diameter	9.625 "	Casing Inside Diam. 9.001 "
Casing Weight	32.3 ppf	
Casing Grade	H-40	
Shoe Depth	235 '	
Cement Yield	1.21 cuft/sk	
Cement Density	15.6 lb/gal	
Excess Cement	125 %	
Cement Required	143 sx	

SHOE 235 ', 9.625 ", 32.3 ppf, H-40 STC

INTERMEDIATE CASING :

Drill Bit Diameter	8.75 "	
Casing Outside Diameter	7 "	Casing Inside Diam. 6.456 "
Casing Weight	20 ppf	
Casing Grade	J-55	
Shoe Depth	3490 '	
Lead Cement Yield	2.88 cuft/sk	
Lead Cement Density	11.5 lb/gal	
Lead Cement Excess	150 %	
Lead Cement Required	348 sx	
Tail Cement Length	698 '	
Tail Cement Yield	1.33 cuft/sk	
Tail Cement Density	13.5 lb/gal	
Tail Cement Excess	150 %	
Tail Cement Required	204 sx	

SHOE 3490 ', 7 ", 20 ppf, J-55 STC

PRODUCTION CASING :

Drill Bit Diameter	6.25 "	
Casing Outside Diameter	4.5 "	Casing Inside Diam. 4.000 "
Casing Weight	11.6 ppf	
Casing Grade	N-80	
Top of Cement	3290 '	200' inside intermediate casing
Shoe Depth	7785 '	
Cement Yield	1.45 cuft/sk	
Cement Density	13.1 lb/gal	
Cement Excess	50 %	
Cement Required	472 sx	

SHOE 7785 ', 4.5 ", 11.6 ppf, N-80 LTC

State Com I #5C			
Halliburton Cementing Program			
	Surf. Csg	Int. Csg	Prod. Csg
OD	9.625	7	4.5
ID	9.001	6.456	4.000
Depth	235	3490	7785
Hole Diam	12.25	8.75	6.25
% Excess Lead		150	
% Excess Tail	125	150	50
Lead Yield		2.88	
Tail Yield	1.21	1.33	1.45
Ft of Tail Slurry	235	698	4495
Top of Tail Slurry	0	2792	3290
Top of Lead Slurry	N/A	0	N/A
Mud Wt (ppg)	8.9	9.0	air drill
Mud Type	WBM	WBM	air drill

Surface Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
Open Hole Annulus ¹	219	0.055804	2.25	27.5	154.4	127.6
Shoe Track Volume	42	0.078735	1	3.3	18.6	15.3
Total				30.8	172.9	142.9

Intermediate Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
Lead Open Hole Annulus	2557	0.026786	2.5	171.2	961.4	333.8
Lead Cased Hole Annulus	235	0.031116	1	7.3	41.1	14.3
Lead Total				178.5	1002.4	348.1
Tail Open Hole Annulus	698	0.026786	2.5	46.7	262.4	197.3
Tail Shoe Track Volume	42	0.040505	1	1.7	9.6	7.2
Tail Total				48.4	272.0	204.5

Production Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
Open Hole Annulus	4295	0.018282	1.5	117.8	661.3	456.1
Cased Hole Annulus	200	0.020826	1	4.2	23.4	16.1
Total				121.9	684.7	472.2

1. The length of the open hole annulus for the surface casing is Shoe Depth minus RKB.

State Com I #5C		
Halliburton Cementing Program		
9-5/8 Surface Casing		
Cement Recipe	Standard Cement	
	+ 3% Calcium Chloride	
	+ 0.25 lb/sx Flocele	
Cement Volume	143	sx
Cement Yield	1.21	cuft/sx
Slurry Volume	172.9	cuft
	30.8	bbls
Cement Density	15.6	ppg
Water Required	5.29	gal/sx
Compressive Strength		
Sample cured at 60 deg F for 8 hrs		
5hrs 58 mins	250	psi
8 hrs	500	psi

State Com I #5C
Halliburton Cementing Program

7" Intermediate Casing		
Lead Slurry		
Cement Recipe	Standard Cement	
	+ 3% Econolite (extender)	
	+ 10 lb/sx Pheno Seal	
Cement Required	348	sx
Cement Yield	2.88	cuft/sx
Slurry Volume	1002.4	cuft
	178.5	bbls
Cement Density	11.5	ppg
Water Required	16.85	gal/sx
Compressive Strength		
Sample cured at 121 deg F for 24 hrs		
2 hr 31 min	50	psi
12 hr	328	psi
24 hr	438	psi

7" Intermediate Casing		
Tail Slurry		
Cement Slurry	50 / 50 POZ:Standard Cement	
	+ 2% Bentonite	
	+ 6 lb/sx Pheno Seal	
Cement Required	204	sx
Cement Yield	1.33	cuft/sx
Slurry Volume	272.0	cuft
	48.4	bbls
Cement Density	13.5	ppg
Water Required	5.52	gal/sx
Compressive Strength		
Sample cured at 121 deg F for 24 hrs		
2 hr 21 min	50	psi
4 hr 58 min	500	psi
24 hr	1697	psi

State Com I #5C		
Halliburton Cementing Program		
4-1/2" Production Casing		
Cement Recipe	50 / 50 POZ:Standard Cement	
	+ 3% Bentonite	
	+ 3.5 lb/sx PhenoSeal	
	+ 0.2% CFR-3 Friction Reducer	
	+ 0.1% HR-5 Retarder	
	+ 0.8% Halad-9 Fluid Loss Additive	
Cement Quantity	472	sx
Cement Yield	1.45	cuft/sx
Cement Volume	684.7	cuft
	121.9	
Cement Density	13.1	ppg
Water Required	6.55	gal/sx
Compressive Strength		
Sample cured at 200 deg F for 24 hrs		
9 hr 32 min	50	psi
12 hr	500	psi
13 hr 29 min	1026	psi
24 hr	2300	psi