Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 882 1 0
District III
I 000 Rio Brazos Rd., Aztec, NM 8741 0
District IV
1220 S. St. Francis Dr., Santa I e, 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

WELL API NO.	30-045-32895
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	B-10938-51
7. Lease Name or Unit Agreement Name	STATE COM I
8. Well Number	5C
9. OGRID Number	217817
I 0. Pool name or Wildcat	BASIN DAKOTA / 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 B 660 feet from the NORTH line and 1945 feet from the EAST line
Section 36 Township 31N Range 9W NMPM SAN JUAN County

I 1. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 6352' GL

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:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
OTHER: ☒		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 I 1 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.

OCT 2005 RECEIVED OIL CONS. DIV. DIST. 3

I hereby certify that the information above is true and complete to the best of rny knowledge and belief. I further certify that anv 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 Peggy James TITLE Sr. Associate DATE 10/19/2005

Type or print name E-mail address: Telephone No.

For State Use Only

APPROVED BY: TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE OCT 21 2005

Conditions of Approval (if any):

HOLD C104 FOR Basin Dakota plat

ConocoPhillips

San Juan Business Unit

PROJECT PROPOSAL - New Drill / Sidetrack

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	☐			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Circulate cement to surface.
NCMT	605	5760	☐			
OJAM	1875	4490	☐			Possible water flows.
KRLD	2025	4340	☐			
FRLD	2890	3475	☐			Possible gas.
PCCF	3190	3175	☐			
LEWS	3390	2975	☐			
Intermediate Casing	3490	2875	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Circulate cement to surface.
CHRA	4250	2115	☐			
CLFH	5000	1365	☐			Gas; possibly wet
MENF	5075	1290	☐			Gas.
PTLK	5385	980	☐			Gas.
MNCS	5635	730	☐			
GLLP	6725	-360	☐			Gas. Possibly wet.
GRHN	7430	-1065	☐			Gas possible, highly fractured
PAGU	7620	-1255	☐			Gas. Highly Fractured.
CBBO	7665	-1300	☐			Gas
Total Depth	7785	-1420	☐			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

ConocoPhillips

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

STATE COM I 5C

Logging Program:

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

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

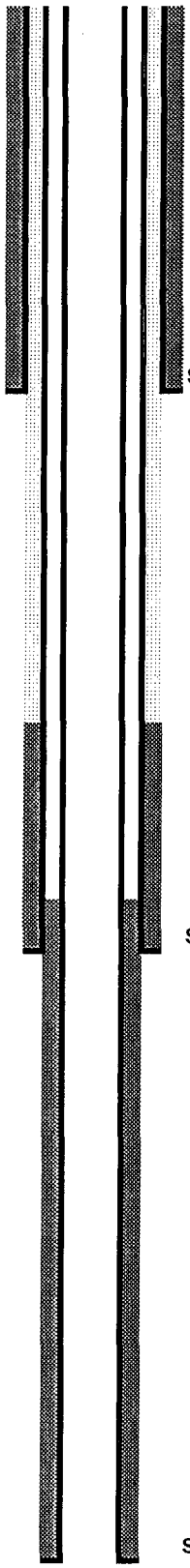
Drilling Mud Program:
Surface: spud mud
Intermediate: fresh water mud with bentonite and polymer as needed
Below Intermediate: air/mist/nitrogen drilling media with foamer, polymer, & corrosion inhibitor as needed

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 dril
Mud Type	WBM	WBM	air dril

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

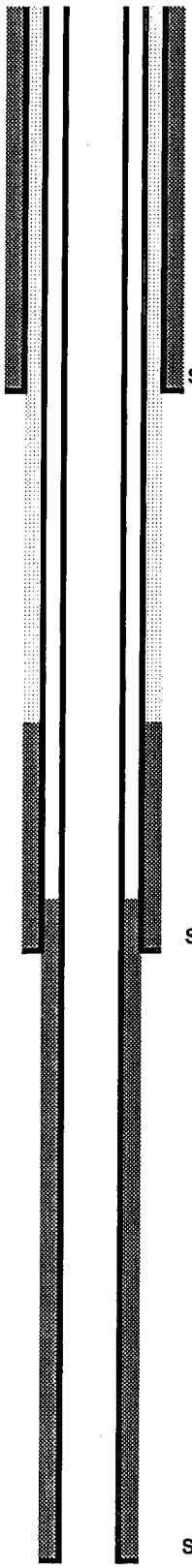
State Com I #5C
Schlumberger Cementing Program

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 dril
Mud Type	WBM	WBM	air dril

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