Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District 11
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. 30-045-32896
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. E-5113-77

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.)

7. Lease Name or Unit Agreement Name: STATE COM J
1. Type of Well: Oil Well ☐ Gas Well ☒ Other
8. Well Number: 6B
2. Name of Operator: CONOCOPHILLIPS COMPANY
9. OGRID Number: 217817
3. Address of Operator: 4001 PENBROOK, ODESSA., TX 79762
I 0. Pool name or Wildcat: BLANCO MESAVERDE

4. Well Location
Unit Letter K 1610 feet from the SOUTH line and 2625 feet from the WEST line
Section 36 Township 31N Range 9W NMPM SAN JUAN County

I 1. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 6407' 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 make the following changes to this well.

Change this well from a single Blanco Mesaverde to a downhole commingled Blanco Mesaverde / Basin Dakota.

Change the number of the well from the 6B to the 38M.

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

Revised plat, 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 10/23/2005

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

For State Use Onlv

APPROVED BY: TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DA'rE OCT 27 2005
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

1 API Number	2 Pool Code	3 Pool Name
30-045-32896	72319	BLANCO MESAVERDE / BASIN DAKOTA

4 Property Code	5 Property Name	6 Well Number
31635	STATE COM J	38M

7 OGRID No.	8 Operator Name	9 Elevation
217817	CONOCOPHILLIPS COMPANY	6407'

10 Surface Location

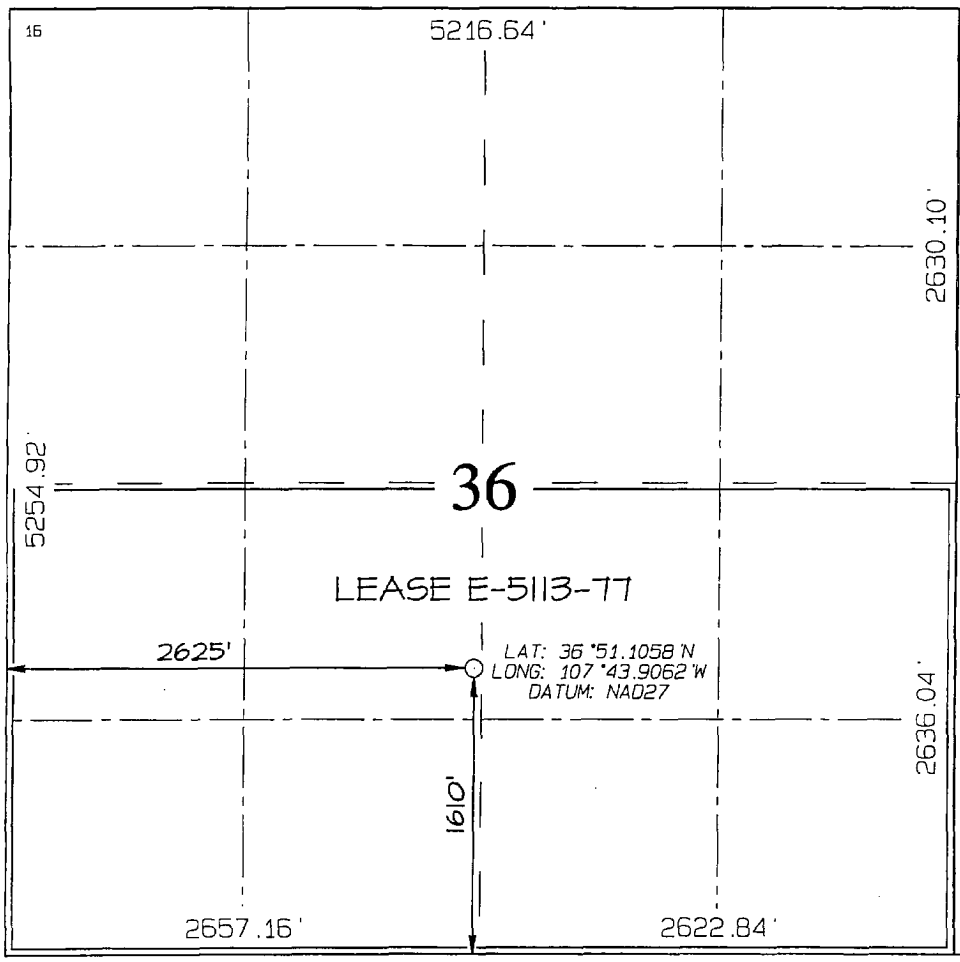
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	36	31N	9W		1610	SOUTH	2625	WEST	SAN JUAN

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	13 Joint or Infill	14 Consolidation Code	15 Order No.
MV 320 ACRES S/2 DK 320 ACRES S/2			

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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Vicki Westby
Signature

Vicki R. Westby
Printed Name

Staff Agent
Title

2-16-05
Date

18 SURVEYOR CERTIFICATION

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.

Survey Date: JANUARY 20, 2005

Signature and Seal of Professional Surveyor

JASON C. EDWARDS
NEW MEXICO
15269
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS
Certificate Number 15269

ConocoPhillips

San Juan Business Unit

PROJECT PROPOSAL - New Drill / Sidetrack

STATE COM J 38M

Lease:		AFE #:		AFE $:
Field Name: WEST	Rig:	State: NM	County: SAN JUAN	API #: 3004532896
Geoscientist: Brain, Ted H.	Phone: 832-486-2592	Prod. Engineer: Pusch, Jennye		Phone: 832-486-2345
Res. Engineer: Skinner, Steve E	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 **Straight Hole**

Latitude: 36.85	Longitude: -107.73	X:	Y:	Section: 36	Range: 9W
Footage X: 2625 FWL	Footage Y: 1610 FSL	Elevation: 6407 (FT)	Township: 31N		

Tolerance:

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

Formation Data: Assume KB = 6420 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	213	6207	☐			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Circulate cement to surface.
NCMT	470	5950	☐			
CJAM	1920	4500	☐			Possible water flows.
KRLD	2070	4350	☐			
FRLD	2870	3550	☐			Possible gas.
PCCF	3220	3200	☐			
LEWS	3420	3000	☐			
Intermediate Casing	3520	2900	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Circulate cement to surface.
CHRA	4300	2120	☐			
CLFH	4995	1425	☐			Gas; possibly wet
MENF	5125	1295	☐			Gas.
PTLK	5445	975	☐			Gas.
MNCS	5695	725	☐			
CLLP	7020	-600	☐			Gas. Possibly wet.
CRHN	7465	-1045	☐			Gas possible, highly fractured
TWLS	7580	-1160	☐			Gas
PAGU	7665	-1245	☐			Gas. Highly Fractured.
CBBO	7725	-1305	☐			Gas
Total Depth	7815	-1395	☐			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

Printed on: 10/20/2005 8:52:23 AM

ConocoPhillips

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

STATE COM J 38M

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:

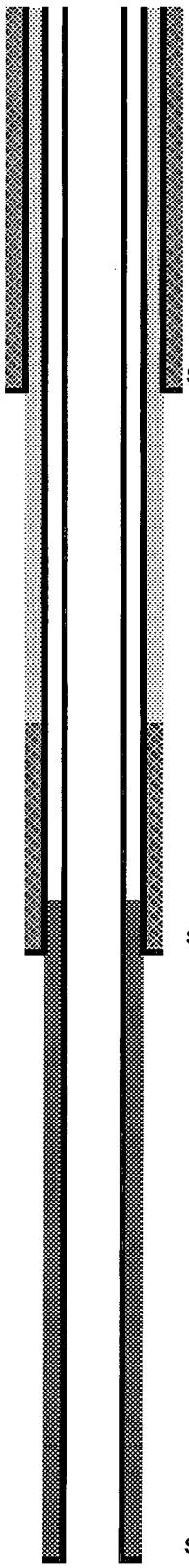
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Zones - 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

General/Work Description -

State Com J # 38M
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	**145**	**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	3520	'	
Lead Cement Yield	2.88	cuft/sk	
Lead Cement Density	11.5	lb/gal	
Lead Cement Excess	150	%	
Lead Cement Required	**351**	**sx**	
Tail Cement Length	704	'	
Tail Cement Yield	1.33	cuft/sk	
Tail Cement Density	13.5	lb/gal	
Tail Cement Excess	150	%	
Tail Cement Required	**206**	**sx**	

SHOE 3520 ', 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	3320	'	200' inside intermediate casing
Shoe Depth	7815	'	
Cement Yield	1.45	cuft/sk	
Cement Density	13.1	lb/gal	
Cement Excess	50	%	
Cement Required	**472**	**sx**	

SHOE 7815 ', 4.5 ", 11.6 ppf, N-80 LTC

State Com J # 38M			
Halliburton Cementing Program			
	Surf. Csg	Int. Csg	Prod. Csg
OD	9.625	7	4.5
ID	9.001	6.456	4.000
Depth	235	3520	7815
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	704	4495
Top of Tail Slurry	0	2816	3320
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]	222	0.055804	2.25	27.9	156.5	129.3
Shoe Track Volume	42	0.078735	1	3.3	18.6	15.3
Total				31.2	175.1	144.7

Intermediate Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
Lead Open Hole Annulus	2581	0.026786	2.5	172.8	970.4	336.9
Lead Cased Hole Annulus	235	0.031116	1	7.3	41.1	14.3
Lead Total				180.1	1011.4	351.2
Tail Open Hole Annulus	704	0.026786	2.5	47.1	264.7	199.0
Tail Shoe Track Volume	42	0.040505	1	1.7	9.6	7.2
Tail Total				48.8	274.2	206.2

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 J # 38M
Halliburton Cementing Program

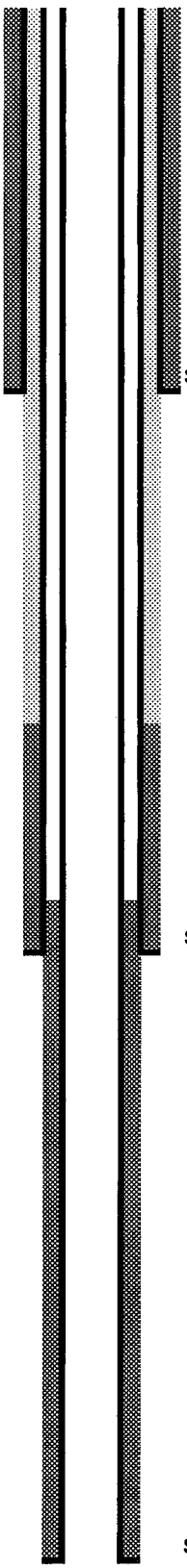
7" Intermediate Casing		
Lead Slurry		
Cement Recipe	Standard Cement	
	+ 3% Econolite (extender)	
	+ 10 lb/sx Pheno Seal	
Cement Required	351	sx
Cement Yield	2.88	cuft/sx
Slurry Volume	1011.4	cuft
	180.1	bbls
Cement Density	11.5	ppg
Water Required	16.85	gal/sx
Compressive Strength		
Sample cured at 130 deg F for 24 hrs		
1 hr 47 min	50	psi
12 hr	350	psi
24 hr	450	psi

7" Intermediate Casing		
Tail Slurry		
Cement Slurry	50 / 50 POZ:Standard Cement	
	+ 2% Bentonite	
	+ 6 lb/sx Pheno Seal	
Cement Required	206	sx
Cement Yield	1.33	cuft/sx
Slurry Volume	274.2	cuft
	48.8	bbls
Cement Density	13.5	ppg
Water Required	5.52	gal/sx
Compressive Strength		
Sample cured at 130 deg F for 24 hrs		
2 hr 05 min	50	psi
4 hr 06 min	500	psi
12 hr	1250	psi
24 hr	1819	psi

State Com J # 38M		
Halliburton Cementing Program		
9-5/8 Surface Casing		
Cement Recipe	Standard Cement	
	+ 3% Calcium Chloride	
	+ 0.25 lb/sx Flocele	
Cement Volume	145	sx
Cement Yield	1.21	cuft/sx
Slurry Volume	175.1	cuft
	31.2	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

OPTION 1

State Com J # 38M
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	1.33	cuft/sk
Cement Density	14.8	lb/gal
Excess Cement	125	%
Cement Required	**132**	**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	3520	'
Lead Cement Yield	2.1	cuft/sk
Lead Cement Density	11.7	lb/gal
Lead Cement Excess	150	%
Lead Cement Required	**482**	**sx**
Tail Cement Length	704	'
Tail Cement Yield	1.31	cuft/sk
Tail Cement Density	13.5	lb/gal
Tail Cement Excess	150	%
Tail Cement Required	**209**	**sx**

SHOE 3520 ', 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	3320	' 200' inside intermediate casing
Shoe Depth	7815	'
Cement Yield	1.44	cuft/sk
Cement Density	13	lb/gal
Cement Excess	50	%
Cement Required	**475**	**sx**

SHOE 7815 ', 4.5 ", 11.6 ppf, N-80 LTC