A CONTRACTOR OF THE PARTY OF TH	
45	
JUN 2006	
Fonn 3160-3 (February 2005)	1475
(February 2005)	
- CA 221	TEDAD

2006 MAR 13 PM 1 100

FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007

RECEIVED **UNITED STATES** DEPARTMENT OF THE INTERIOR 70 FARMINGTON N

5. Lease Serial No.

BUREAU OF LAND MAN	AGEMENT	TO FARMIN	GTON 1	NM-01134	49-B
APPLICATION FOR PERMIT TO I	DRILL OR	REENTER		6. If Indian, Allotee or Tr	ribe Name
Ia. Type of work: DRILL REENT	ER			7. If Unit or CA Agreemen NWN M-078415	1B-DK NMN
lb. Type of Well: Oil Well Gas Well Other	Si	ngle Zone Multi	ple Zone	8. Lease Name and Well 1 SAN JUAN 29-5	
2. Name of Operator ConocoPhillips Company 3a. Address	3b. Phone No.	. (include area code)		9. API Well No. 30 -039-2 10. Field and Pool, or Explo	9831
4001 Penbrook, Odessa, TX 79762	432-3	668-1230		BLANCO MESAVE DAKOT	
4. Location of Well (Report location clearly and in accordance with any S At surface SWSE 595 FSL - 1480 F	•	nts, *)		I 1. Sec., T. R. M. or Blk. an SECTION 27, T29N, R5	•
At proposed prod. zone 14. Distance in miles and direction from nearest town or post office*				12. County or Parish	13. State
14. Distance in times and direction from hearest town of post office				RIO ARRIBA	NM
15, Distance from proposed* location to nearest propery or lease line, ft. (Also to nearest drig. unit line, if any)		cres in lease		g Unit dedicated to this well MV & DK - 320.0 ACR	ES - E/2
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed			NA Bond No. on file	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6839' GL	22 Approxim	nate date work will star	rt*	23. Estimated duration	
	24. Attac	chments			
The following, completed in accordance with the requirements of Onshor 1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 3 A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service office).		4. Bond to cover th Item 20 above). 5. Operator certific	e operations	s form: unless covered by an existi	
25. Signature (itle Senior Associate	I	(Printed/Typed) Jy James		Date	3/10/2006
Approved by (Signature)	Name	(Printed/Typed)		Date	6/2/06
Title ATM	Office	TFO			
Application approval does not warrant or certify that the applicant hold conduct operations thereon. Conditions of approval, if any, are attached.	s legal orequit	able title to those right	s in the subje	ect lease which would entitle	the applicant to
Fitle 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 n	nake to any department or age	ncy of the United

*(Instructions on page 2)

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

This well will be downhole commingled pursuant to the terms and conditions outlined in Order R-11363.

The notice of staking for this well was submitted as a Blanco Mesaverde single well - the San Juan 29-5 Unit # 14C. This well has since changed to a Mesaverde/Dakota and the well number has changed to the #14G.



District I PO 80x 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

API Number

²Pool Code

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 875047208時3

M 1 00 AMENDED REPORT

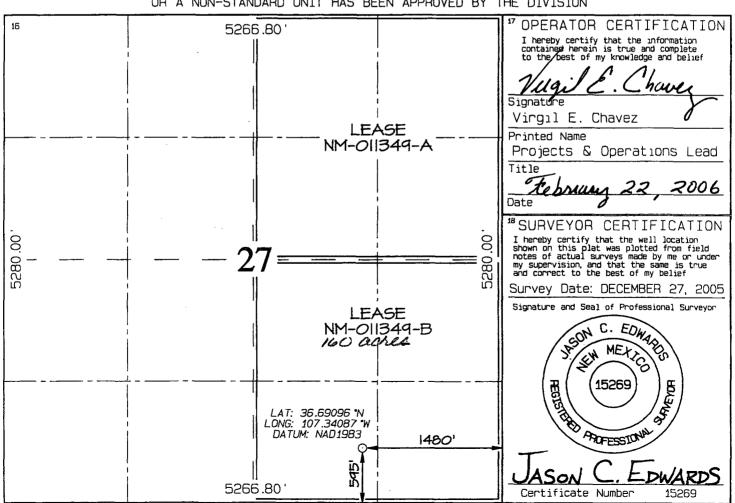
RECEIVED

Pool Name

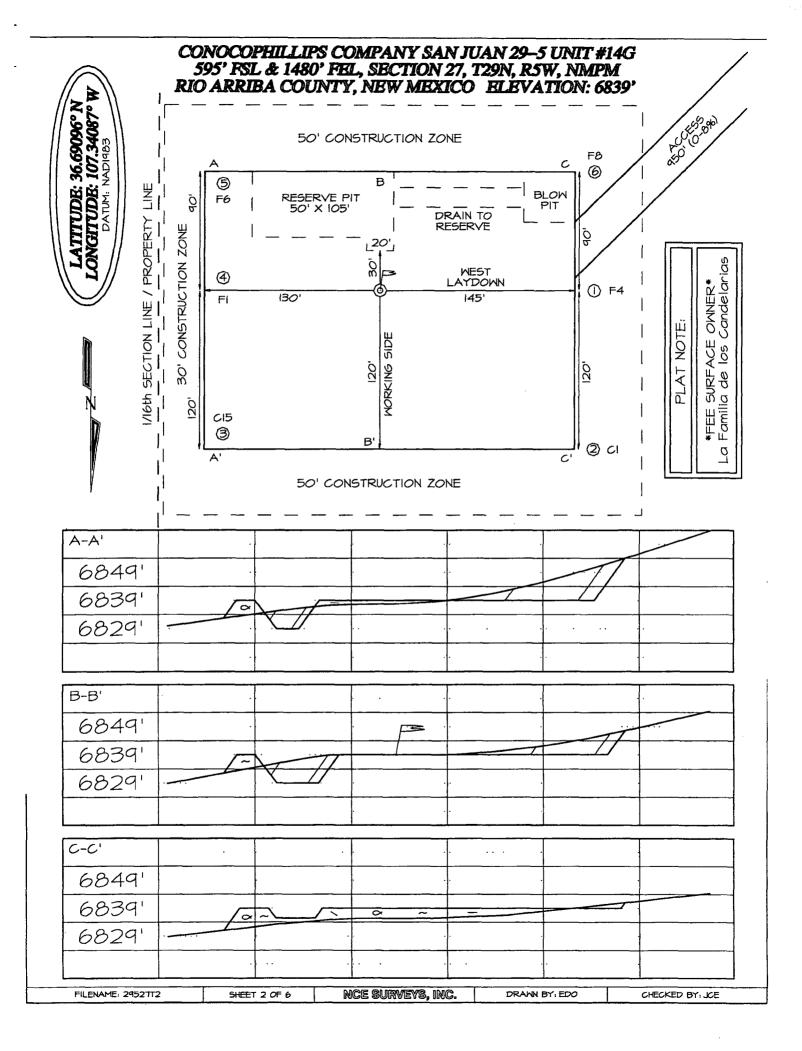
WELL LOCATION AND ACREAGE DEDICATION PLAT

150-03	59-29	1831	RS/ 72319 / 71599 BLANCO MESAVERDE / BASIN DAKOTA						
'Property	Code	,	³Property Name						
3132	5			9	SAN JUAN 2	29-5 UNIT			14G
'OGRID N	VO.				*Operator	Name			*Elevation
21781	17			CO	NOCOPHILLI	PS COMPANY			6839 '
				1	^{lo} Surface	Location			
UL or lot no.	Sect ion	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	27	29N	5W		595	SOUTH	1480	EAST	RIÓ ARRIBA
		11 E	Bottom	Hole L	ocation I	f Different	From Surf	ace	
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	320	0.0 Acre	es - E/		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



Submit 3 Copies To Appropriate District Office	State of New Mo	exico		Fonn C- 1 03
District I	Energy, Minerals and Natural Resources		*******	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District 11			WELL API	(30 - 2982)
1301 W. Grand Ave., Artesia, NM 882 1 0	OIL CONSERVATION		5. Indicate	Type of Lease
<u>District III</u> I 000 Rio Brazos Rd., Aztec, NM 8741 0	1220 South St. Fran		STA	
<u>District IV</u>	Santa Fe, NM 8	/505	6. State Oil	& Gas Lease No.
1220 S. St. Francis Dr., Santa I e, NM 87505				
	ICES AND REPORTS ON WELLS		7. Lease Na	ame or Unit Agreement Name
DIFFERENT RESERVOIR. USE "APPLIC	SALS TO DRILL OR TO DEEPEN OR PL CATION FOR PERMIT" (FORM C-101) FO	OR SUCH		SAN JUAN 29-5 UNIT
PROPOSALS.)	Gas Well 🔀 Other		8. Well Nu	mhor
1. Type of Well: Oil Well 2. Name of Operator	Gas Well Other		9. OGRID	Number
Cono	coPhillips Company). OGIGD	217817
3. Address of Operator			I 0. Pool na	me or Wildcat
	Penbrook, Odessa, TX 79762		BLANCO	MESAVERDE / BASIN DAKOTA
4. Well Location			4.400	
Unit Letter O	595 feet from the SOUT			eet from the <u>EAST</u> line
Section _ 27	Township 29N Ra I 1. Elevation (Show whether DR	ange 5W	NMPM	RIO ARRIBA County
	683		ì	
Pit or Below -grade Tank Application 🛛	Closure	7 (000'		>>00 <100
Pit type DRILL Depth to Groundw	rater_51'Distance from nearest fresh w	vater well 7,290 -	Distance	from nearest surface water 555'
Liner Thickness: 12 mil	Below-Grade Tank: Volume 440	0 bb1s; Con	struction Mate	rial SYNTHETIC
12. Check A	Appropriate Box to Indicate N	ature of Notice, l	Report or C	Other Data
NOTICE OF IN	ITENTION TO	l cup	SECHENI	DEDODT OF
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	-	TREPORT OF: ☐ ALTERING CASING ☐
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRIL		<u> </u>
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMENT	JOB	
OTHER:		OTHER:		П
	leted operations. (Clearly state all p		give pertiner	nt dates, including estimated date
of starting any proposed wo	ork). SEE RULE I 1 03. For Multip			
or recompletion.				
	and closed in accordance with Rule			
	e attached diagram that details the lo			e proposed wellhead.
The arill pit will be lined. I	he drill pit will be closed after the w	vell has been comple	tea	
				•
I hereby certify that the information a grade tank has been/will be constructed or	bove is true and complete to the best closed according to NMOCD guidelines	of rny knowledge an], a general permit ☐ o	d belief. I fur or an (attached)	ther certify that any pit or below- alternative OCD-approved plan
SIGNATURE Peggy James	TITLE_Se	nior Associate		DATE
Type or print name	E-mail address pe	ggy.s.james@conocophi	llips.com:	Telephone No.: (432)368-1230
For State Use Only	//		•	. , ,
ADDROVED DV		puty oil 8 gas insi	PECTOR, MST	O DATE JUN 0 5 2006
APPROVED BY: Conditions of Approval (if any):	TITLE			DATE





PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-5 14G

Lease:				A	FE #:WA	N.CNV.	6160		AFE \$:
Field Name: 29-5			Rig:	11			State: NM	County: RIO ARRIBA	API #:
Geoscientist: Glas	ser. Terry J			: (832)486-23	332	Prod.		ody, Craig E.	Phone: 486-2334
Res. Engineer: Joh				: (832)-486-2			ield Lead: Fra		Phone:
Primary@peats		1	THORE	. (632) 166 2		110).1	icia Lead.	isen, ene en	THORE.
Zone	Zone Name								
R20002	MESAVERDE	E(R20002)							
R20076	DAKOTA(R2	0076)							
					_				
भित्रकारिकाम डा णकार		Daum Co	de NA	D27					SiraightHole
Latitude: 36.69096	50 Longiti	ude: -107.34	0870	X:		Y:		Section: 27	Range: 5W
Footage X: 1480 F	EL Footag	je Y: 595 FSL	-	Elevation: 68	39	(FT)	Township: 29N		
Tolerance:									
Location Type: Sur	mmer Only		Start D	Oate (Est.):		Con	pletion Date:	Date In	Operation:
Formation Data:	Assume KB =	= 6855 l	Units =	FT					
Formation Call & Casing Points		Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	внт		Remarks	i
Surface Casing		216	6639				13-1/2hole. 9 to surface.	5/8" 32.3 ppf, H-40, ST	TC casing. Circulate cement
NCMT		1655	5200				to sanacc.		
CJAM		2955	3900				Possible water	flows.	
KRLD		3155	3700						
FRLD		3545	3310				Possible gas.		
PCCF		3805	3050						
LEWS		4005	2850						
Intermediate Casing	9	4105	2750				8 3/4" Hole. 40 7", 23 ppf, J-5 Circulate ceme	5, LTC on bottom (spec	STC Casing on top, 105' of cial drift to 6.25" ID).
CHRA		4755	2100				Circulate ecine	are to surface.	
CLFH		5645	1210				Gas; possibly v	vet	
MENF		5695	1160				Gas.		
PTLK		6000	855				Gas.		
CLLP		7245	-390				Gas. Possibly	wet.	
CRHN		7950	-1095				Gas possible, h	nighly fractured	
CBBO		8105	-1250				Gas		
TOTAL DEPTH DK		8300	-1 44 5				a minimum of	I-1/2", 11.6 ppf, N-80, I 100' inside the previous Ile TDT with GR to surfa	LTC casing. Circulate cemen s casing string. No open hok ace
ReferenceWells	F						iogo. edocu iid	C 121 mai GK to sain	icc.
Reference Type	- Control of the cont	STREET,		Comments	**************************************	2509407402040			
Leggling Program	ñ								
Intermediate Logs		/ if show □	GR/II r) Triple	Combo				
			V 1-L						
TD Logs:	Triple C	ombo 🔲 Di	ipmeter	RFT [] Sonic [VSP	✓ TDT		

Printed on: 3/10/2006 10:49:43 AM

TOPSET FRUITLAND COAL Wells: (topset casing above coal to prepare for cavitation/DO/UR)

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, 3'd, & 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

CASE & FRAC FRUITLAND COAL Wells: (casing set below coal to prepare for frac completion)

Drilling Mud Program:

Surface: spud mud

Production: fresh water mud with bentonite and polymer 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

Production: 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

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 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

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 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

San Juan 29-5 # 14G **Halliburton Cementing Program**

SURFACE CASING:

Drill Bit Diameter Casing Outside Diameter Casing Weight Casing Grade Shoe Depth Cement Yield Cement Density	13.5 " 9.625 " 32.3 ppf H-40 235 ' 1.21 cuft/sk 15.6 lb/gal	Casing Inside Diam. 9.001
Cement Density	15.6 lb/gal	
Excess Cement	125 %	
Cement Required	214 sx	

SHOE

SHOE

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

INTERMEDIATE CASING:

Note: 4000' of 7", 20 ppf, J-55, STC or 105' of 7", 23 ppf, J-55, LTC on I **Drill Bit Diameter** 8.75 Casing Outside Diameter Casing Inside Diam. 6.125 " 7 Casing Weight 23 ppf Casing Grade J-55 Shoe Depth 4105 Lead Cement Yield 2.88 cuft/sk **Lead Cement Density** 11.5 lb/gal **Lead Cement Excess** 150 % **Lead Cement Required** 412 sx Tail Cement Length 821 Tail Cement Yield 1.33 cuft/sk **Tail Cement Density** 13.5 lb/gal **Tail Cement Excess** 150 % 239 sx

Tail Cement Required

PRODUCTION CASING:

7 ",

23 ppf,

4105 ',

Drill Bit Diameter 6.25 Casing Outside Diameter Casing Inside Diam. 4.000 " 4.5 Casing Weight 11.6 ppf Casing Grade N-80 Top of Cement 3905 200' inside intermediate casing Shoe Depth 8300 Cement Yield 1.45 cuft/sk **Cement Density** 13.1 lb/gal Cement Excess 50 % 458 sx **Cement Required**

J-55

LTC

SAN JUAN 29-5 #14G

'HALLIBURTON OPTION

9-5/8 Surface Casing			
	Standard Ce	ment	
Cement Recipe	+ 3% Calciur	n Chloride	
	+ 0.25 lb/sx Flocele		
Cement Volume	214	sx	
Cement Yield	1.21	cuft/sx	
Slurry Volume	259.5	cuft	
Sidily volume	46.2	bbls	
Cement Density	15.6	ppg	
Water Required	5.29	gal/sx	

7" In	7" Intermediate Casing				
	Lead Slurry				
	Standard Ce	ment			
Cement Recipe	+ 3% Econolite (extender				
	+ 10 lb/sx Pheno Seal				
Cement Required	412	sx			
Cement Yield	2.88	cuft/sx			
Slurry Volume	1187.4	cuft			
Siulty volume	211.5	bbls			
Cement Density	11.5	ppg			
Water Required	16.85	gal/sx			

7" Intermediate Casing				
	Tail Slurry	-		
	50 / 50 POZ:St	andard Cement		
Cement Slurry	+ 2% Benton	ite		
L	+ 6 lb/sx Pheno Seal			
Cement Required	239	sx		
Cement Yield	1.33	cuft/sx		
Slurry Volume	317.3	cuft		
Sidily volume	56.5	bbls		
Cement Density	13.5	ppg		
Water Required	5.52	gal/sx		

4-1/2" Production Casing				
	50 / 50 POZ:Standard Cement			
	+ 3% Benton	ite		
Cement Recipe	+ 3.5 lb/sx P	henoSeal		
Cement Recipe	+ 0.2% CFR-3 F	riction Reducer		
	+ 0.1% HR-5 Retarder			
	+ 0.8% Halad-9 Fluid Loss Additive			
Cement Quantity	458	sx		
Cement Yield	1.45	cuft/sx		
Cement Volume	664.7	cuft		
Cernent volume	118.4			
Cement Density	13.1	ppg		
Water Required	6.55	gal/sx		

SCHLUMBERGER OPTION 1

9-5/8 Surface Casing				
	Class G Cen			
Cement Recipe	+ 3% S001 Ca	lcium Chloride		
	+ 0.25 lb/sx D029 Cellophane Flakes			
Cement Volume	222	sx		
Cement Yield	1.17	cuft/sx		
Cement Volume	259.5	cuft		
Cement Density	15.8	ppg		
Water Required	4.973	gal/sx		

7" Intermediate Casing				
	Lead Slurry			
	Class G Cem	nent		
	+ 0.25 lb/sx D029 (Cellophane Flakes		
Cement Recipe	+ 3% D079 E	xtender		
	+ 0.20% D046 Antifoam			
	+ 10 lb/sx Pheno Seal			
Cement Required	437	sx		
Cement Yield	2.72	cuft/sx		
Slurry Volume	1187.4	cuft		
Siulty volume	211.5	bbls		
Cement Density	11.7	ppg		
Water Required	15.74	gal/sx		

7" Intermediate Casing			
Tail Slurry			
	50 / 50 POZ: Class G Cement		
	+ 0.25 lb/sx D029 Cellophane Flakes		
Cement Slurry	+ 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	242	sx	
Cement Yield	1.31	cuft/sx	
Slurry Volume	317.3	cuft	
Siurry volume	56.5	bbls	
Cement Density	13.5	ppg	
Water Required	5.317	gal/sx	

4-1/2" Production Casing			
	50 / 50 POZ:Class G Cement		
	+ 0.25 lb/sx D029 Cellophane Flakes		
Cement Recipe	+ 3% D020 Bentonite		
	+ 1.0 lb/sx D024 (Gilsonite Extender	
	+ 0.25% D16	7 Fluid Loss	
	+ 0.15% D065 Dispersant		
	+ 0.1% D800 Retarder		
	+ 0.1% D046 Antifoamer		
	+ 3.5 lb/sx P	henoSeal	
Cement Quantity	462	sx	
Cement Yield	1.44	cuft/sx	
Cement Volume	664.7	cuft	
Cement volume	118.4		
Cement Density	13	ppg	
Water Required	6.47	gal/sx	

SCHLUMBERGER OPTION 2

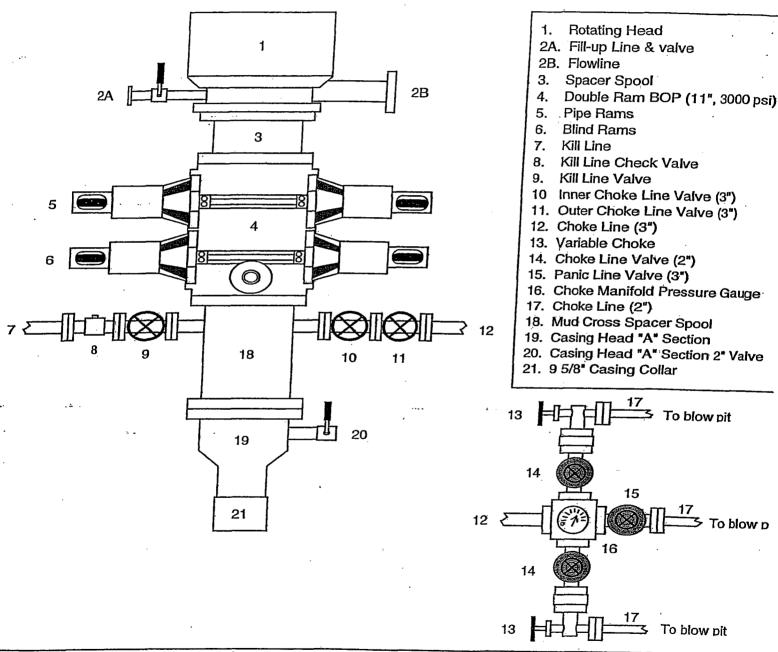
9-5/8 Surface Casing			
	Type III Cement		
Cement Recipe	e + 2% S001 Calcium Chlo		
	+ 0.25 lb/sx D029	Cellophane Flakes	
	+ 0.20% D04	6 Antifoam	
Cement Volume	195	sx	
Cement Yield	1.33	cuft/sx	
Cement Volume	259.5	cuft	
Cement Density	14.8	ppg	
Water Required	6.095	gal/sx	

7" Intermediate Casing			
Lead Slurry			
Cement Recipe	75% Type XI / 25% Class G Cement		
	+ 0.25 lb/sx D029 Cellophane Flakes		
	+ 3% D079 Extender		
	+ 0.20% D046 Antifoam		
Cement Required	565	sx	
Cement Yield	2.1	cuft/sx	
Slurry Volume	1187.4	cuft	
	211.5	bbls	
Cement Density	11.7	ppg	
Water Required	11.724	gal/sx	

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	242	sx	
Cement Yield	1.31	cuft/sx	
Slurry Volume	317.3	cuft	
	56.5	bbls	
Cement Density	13.5	ppg	
Water Required	5.317	gal/sx	

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% D16			
	+ 0.15% D065 Dispersant			
	+ 0.1% D800 Retarder			
	+ 0.1% D046 Antifoamer			
	+ 3.5 lb/sx PhenoSeal			
Cement Quantity	462	sx		
Cement Yield	1.44	cuft/sx		
Cement Volume	664.7	cuft		
Cement volume	118.4			
Cement Density	13	ppg		
Water Required	6.47 gal/sx			

BLOWOUT PREVENTER ARRANGEMENT & PROGRAM For Drilling to Intermediate Casing Point & Setting 7" Intermediate Casing

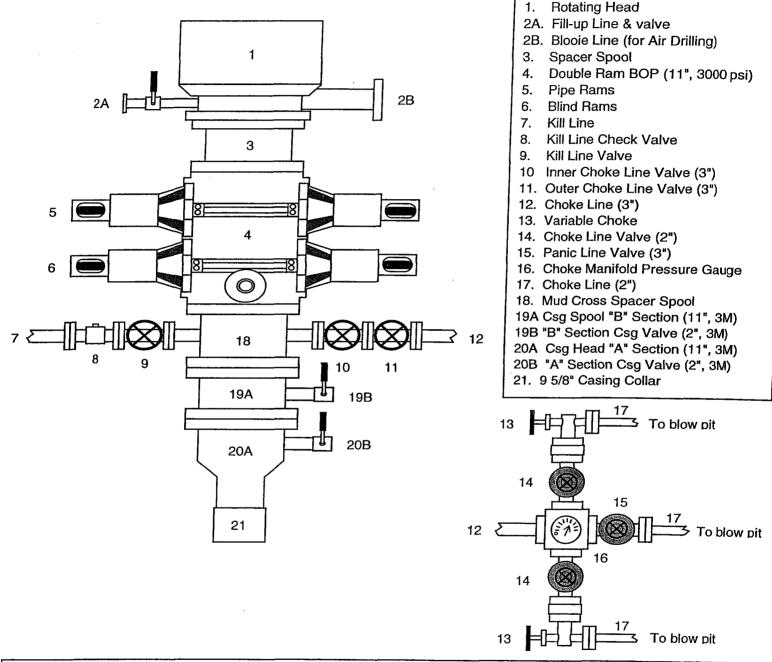


A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe 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



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

Property:	: SAN JUAN 29-5 UNIT		Well #:		14G	
Surface Locat	ion:					
Unit: O	Section: 27 To	wnship: 29N	Range:	5W		
County: RIO ARRIBA			State: New Mexico			
Footage	595 from the	SOUTH line	1480	from the	EAST	line

CATHODIC PROTECTION

ConocoPhillips (COP) proposes to drill a cathodic protection deep well groundbed for the subject well. COP will drill a hole vertically at the surface large enough to accommodate 20 feet of 8 inch diameter PVC pipe for surface casing to assist in further drilling and loading. Casing may be cemented in place for stability if needed. COP will drill a 6-7/8" hole to an anticipated minimum depth of 300' (maximum depth of 500'). Cement plugs will not be used unless more than one water zone is encountered. Prior drilling history for the area indicates only one zone to that depth. If more than one water zone is encountered, notification will be made and details of cement and casing will be provided.

All drilling activity will remain on the existing well pad and a Farmington based company will be doing the drilling for ConocoPhillips.