7340678						
R. C.					er.	
Fonn 3460 C.		2008 J	RN 10	om o OMBN	APPROVE No. 1004-013 March 31, 2	7
UNITED STATES DEPARTMENT OF THE II BUREAU OF LAND MAN	NTERIOR	2005	REC	5. Lease Serial No.	078281	
ABPLICATION FOR PERMIT TO E						Name
Ia. Type of work: DRILL REENTE	ER.	 		7. If Unit or CA Agr	eement, Na	me and No.
lb. Type of Well: Oil Well Gas Well Other	Sin	ngle Zone Multi	ple Zone	8. Lease Name and SAN JUAN		<u>3/32</u> 5 IT #63F
2. Name of Operator ConocoPhillips Company 217	817			9. APLWell No.	9-2	9741
3a. Address 4001 Penbrook, Odessa, TX 79762		(include area code) 68-1230		10. Field and Pool, or BLANCO ME	Explorator SAVERD	E/BASIN 12 2/5
4. Location of Well (Report location clearly and in accordance with any St At surface SWSE 1000 FSL - 2300 FE		nts, *)		I 1. Sec., T. R. M. or I SECTION 17, T291	3lk. and Su	•
At proposed prod. zone 14. Distance in miles and direction from nearest town or post office*		-		12. County or Parish RIO ARRIE	BA	13. State NM
15, Distance from proposed*	16. No. of ac	eres in lease	17. Spacing	g Unit dedicated to this		
location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	128	0 ACRES		MV - E/2 - 320 DK - S/2 - 320.		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed	Depth 8055'	20. BLM/E	BIA Bond No. on file		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6599' GL	22 Approxim	ate date work will star	rt*	23. Estimated duration	n	
	24. Attac	hments				
The following, completed in accordance with the requirements of Onshore	Oil and Gas (Order No. 1, must be at	tached to thi	s form:		
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System L SUPO must be filed with the appropriate Forest Service office). 	ands, the	Item 20 above). 5. Operator certific	ation	s unless covered by an	J	· ·
25. Signature Title	Name (Printed/Typed) Pegg	y James		Date 1/0	6/2006
Sr. Associate Approved by (Signature)	Name	(Printed/Typed)	•		Date	
Title Adams Off	Office				1 1 1	30/06
Application approval does not warrant or entify that the applicant holds conduct operations thereon.	s legal orequita	able title to those right	s in the subj	ect lease which would e	ntitle the a	pplicant to

Title 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 make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its juris iction.

*(Instructions on page 2)

VIVEVOV

ConocoPhillips Company proposes to drill a 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.

DRILLING OPERATOR'S AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

NMOCD

District I PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994 Instructions on back

.District II PO Drawer DD, Artesia, NM 88211-0719

Submit to Appropriate District Office State Lease - 4 Copies

10 8 1 fee Lease - 3 Copies OIL CONSERVATION DIVISION

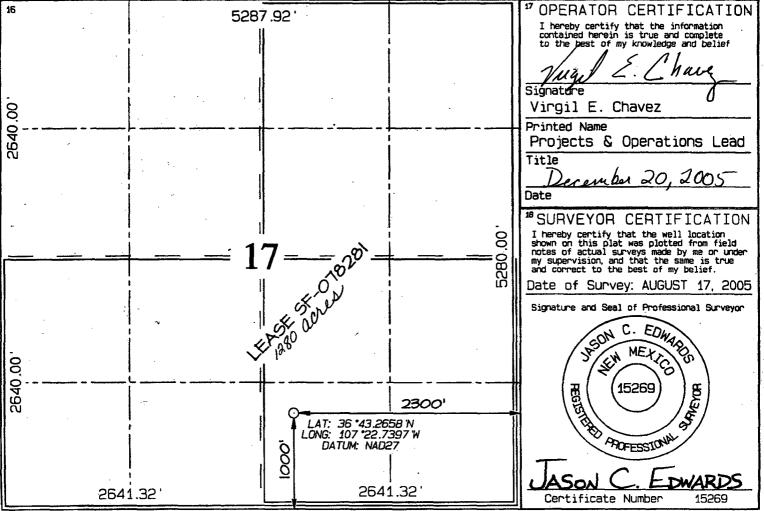
1000 Rio Brazos Rd., Aztec, NM 87410

PO Box 2088 2006 JAN 10 AM 8 Santa Fe, NM 87504-2088

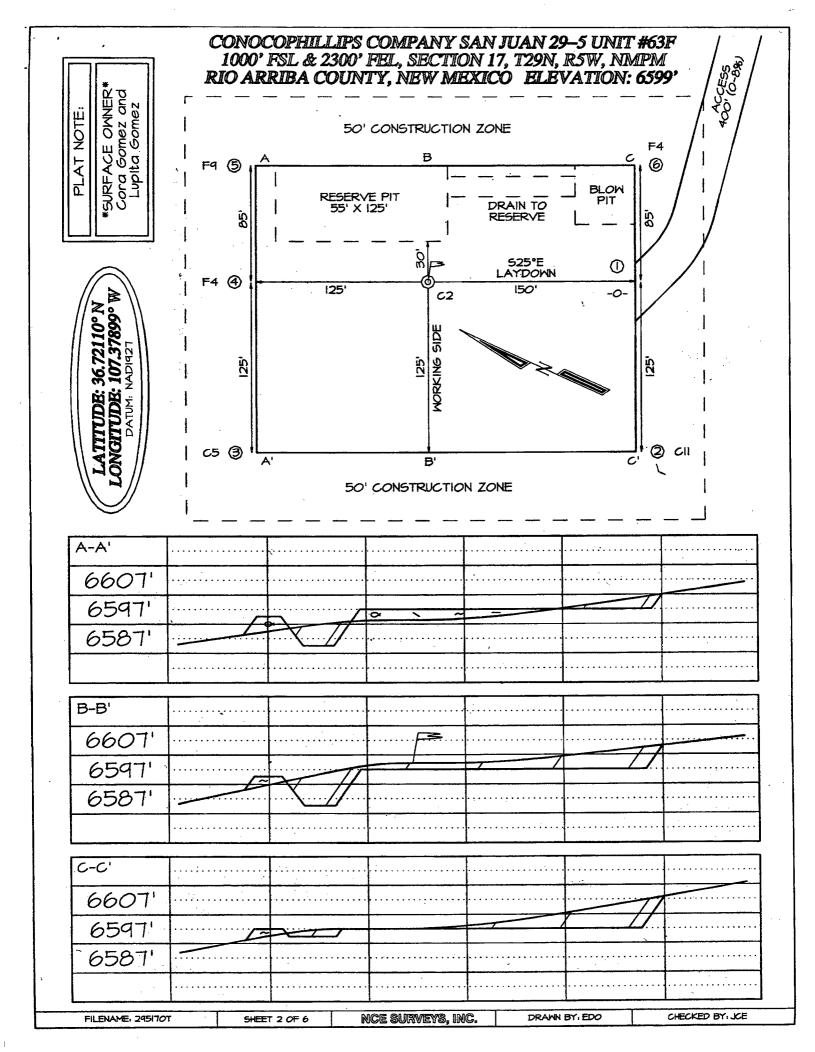
District IV PO Box 2088, Santa Fe, NM 87504-2088

AMENDED REPORT RECEIVED OTO FARMINGTON HIS

	/		WELL	LOCATI	CREAGE DED	ICATION PL	.AT	•				
'AP	I Number		*Pool	Code		*Pool Name						
30-03	9-29	741	72319	/ 71599	BLANCO MESAVERDE / BASIN DAKOTA							
*Property	Code				*Property	Name			•We	11 Number		
3132	5 /	•		5	SAN JUAN 2	29-5 UNIT	•	·		63F /		
'OGRID N	ю.				*Operator	Name			•E	levation		
217817 CONOCOPHILL						PS COMPANY	>	/		6599 '		
	¹⁰ Surface Location											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Wes	t line	County		
0.	17 29N 5W 1000				SOUTH	2300	EAST		RIO ARRIBA			
		11 [3ottom	Hole L	ocation I	f Different	From Surf	ace				
UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/Wes	t line	County		
	-				_							
¹² Dedicated Acres	320.0) Acres	- E/2	(MV)	²³ Joint or Infill	M Consolidation Code	²⁵ Order No.					
-	320.0		- S/2									
NO ALLOW	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											
5287.92						I hereby	ATOR (hat the i	FICATION			



Submit 3 Copies To Appropriate District Office	State of New M	exico	Fonn C- 1 03				
District I	Energy, Minerals and Nati	ıral Resources	WELL API	May 27, 2004			
1625 N. French Dr., Hobbs, NM 88240 District 11	OIL CONSERVATION	30-03					
1301 W. Grand Ave., Artesia, NM 882 1 0 District III	1220 South St. Fra			Type of Lease			
I 000 Rio Brazos Rd., Aztec, NM 8741 0 District IV	Santa Fe, NM 8		STA 6 State Oil	TE FEE			
1220 S. St. Francis Dr., Santa I e, NM 87505	,		o. Blate On	C Gas Dease 110.			
SUNDRY NOT:	ICES AND REPORTS ON WELLS		7. Lease Name or Unit Agreement Name				
(DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPLIC	SALS TO DRILL OR TO DEEPEN OR PL CATION FOR PERMIT" (FORM C-101) FO		9	AN JUAN 29-5 UNIT			
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well Other		8. Well Nu				
2. Name of Operator			9. OGRID				
	coPhillips Company	· · · · · · · · · · · · · · · · · · ·	I O Pool na	me or Wildcat			
3. Address of Operator 4001 F	Penbrook, Odessa, TX 79762			MESAVERDE/BASIN DAKOTA			
4. Well Location			BLANCO	MESAVERDE/BASIN DAKOTA			
Unit LetterO	1000 feet from the SOUT	H line and	2300 fe	et from the <u>EAST</u> line			
Section17		ange 5W	NMPM	RIO ARRIBA County			
	I 1. Elevation (Show whether DR 659						
Pit or Below -grade Tank Application 🛛 🤇	Closure	18001	· · · · · · · · · · · · · · · · · · ·	7200 (1000			
	ater 60' > 60 4 100 Distance from nearest fresh w		Distance f	from nearest surface water 261'			
Liner Thickness: 12 mil	Below-Grade Tank: Volume 440		struction Mate				
12. Check A	Appropriate Box to Indicate N	ature of Notice, I	Report or C	Other Data			
NOTICE OF IN	TENTION TO:	SUBS	SEQUENT	REPORT OF:			
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK		ALTERING CASING			
TEMPORARILY ABANDON DULL OR ALTER CASING	CHANGE PLANS MULTIPLE COMPL	COMMENCE DRIL		P AND A			
_				_			
OTHER:	leted operations. (Clearly state all p	OTHER:	give nertiner	nt dates, including estimated date			
	ork). SEE RULE I 1 03. For Multip						
or recompletion.							
•							
		50 1 50 50		1 D' D1 (*1			
	and closed in accordance with Rule attached diagram that details the lo						
	he drill pit will be closed after the v			- rr			
		·					
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 and], 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 Sr.	Associate		DATE 1/6/2006			
Type or print name	E-mail address pe	ggy.s.james@conocophi	llips.com:	Telephone No.: (432)368-1230			
For State Use Only				FEB 0 1 2006			
APPROVED BY: Conditions of Approval (if any):	TITLE	JTY OIL & GAS INSPE	CTOR, DIST.	DATE			





PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-5 63F

Lease:				A	FE #: WAI	N.CNV.	5154		AFE \$:
Field Name: 29-5			Rig: I	1&P 281			State: NM	County: RIO ARRIBA	API #:
Geoscientist: Glas	er, Te	rry J	Phone	e: (832)486-23	32	Prod. I	Engineer: Mo	ody, Craig E.	Phone: 486-2334
Res. Engineer: Hensley, Dan E				: 832-486-238	35	Proj. F	ield Lead: Fra	nsen, Eric E.	Phone:
Pilmary@bjediv	I=(67•	ones) β							
Zone	Zone	Name							
FRR	BASII	N DAKOTA (PRORA	ED G/	(S)					
RON	BLAN	CO MESAVERDE (F	RORA	TED GAS)					
									
÷									
Legentions Suffice									Siddintide
Latitude: 36.72	100000000000000000000000000000000000000	Longitude: -107.38	}	X:		Y:		Section: 17	Range: 5W
Footage X: 2300 F	EL +	Footage Y: 1000 F	5L	Elevation: 65	99 (FT)	Township: 29N	1	
Tolerance:							· · · · · · · · · · · · · · · · · · ·		
Location Type: Yea	ar Rou	nd	Start	Date (Est.):		Con	pletion Date:	Date In	Operation:
Formation Data:	Assun	ne KB = 6615	Units =	: FT					
Formation Call & Casing Points		Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	внт		Remarks	
Surface Casing		216	6399				12-1/4 hole. 9	9 5/8" 32.3 ppf, H-40, S	TC casing. Circulate cement
NCMT		1415	5200				to surrecor	•	
CJAM		2665	3950				Possible water	flows.	
KRLD		2915	3700						
FRLD		3295	3320				Possible gas.		
PCCF		3515	3100						
LEWS		3715	2900) 🗆					
Intermediate Casing)	3815	2800				8 3/4" Hole. 7 surface.	7", 20 ppf, J-55, STC Cas	sing. Circulate cement to
CHRA		4550	2065						
CLFH		5390	1225	; <u> </u>			Gas; possibly	wet	
MENF		5465	1150				Gas.		
PTLK		5730	885				Gas.		
CLLP		6990	-375				Gas. Possibly	wet.	
CRHN		7705	-109				Gas possible,	highly fractured	
CBBO		7885	-127	o 🗆			Gas		
TOTAL DEPTH DK		8055	-144	0 🗆	:		a minimum of		TC casing. Circulate cement casing string. No open hole ce.
ReferenceWells	112924 / T.			1 -					
Reference Type	Well N	iame		Comments	: 1				

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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-5 63F

(पञ्चाक्रप्रकाष्ट्राज्य <u>)</u>								* 1		
Intermediate Logs: Log only if show GR/ILD Triple Combo										
TD Logs:										
Additional Information:										
Log Type	Stage	From	(Ft)	To (Ft)		Tool	Гуре/Name	Ren	narks	
Section : General/ FEL & 10	17-T29N-R5W /Work Descrip	, Rio Arriba tion - Drill a ction 17-T29	Count and equ	y, NM. Once e uip the SAN JU	established AN 29-56	d and a	dequately tested	, production lesaverde/Da	will be dowi kota infill w	on FEL & 1000 FSL of hhole commingled. ell, to be located 2300 duction will be
Lease:	ie commingiec	J.		ΔΙ	FE #:WA	N CNV I		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	AFE \$:
Field Name: 29-5			Rig:		L #	1.0,11.	7	County: RIO	ΔRRTRΔ	API #:
Geoscientist: Glaser	r Terny 1			: (832)486-23	32	Prod F		dy, Craig E.		none: 486-2334
Res. Engineer: Hens				: 832-486-238			ield Lead: Frans			none:
Rilinary Objective	Constitution of the second state of the second	7. ·	THORIC .	. 032 100 250		110).1	Cid Lead. Traile	en, ene en		ione.
	one Name	Service de la constante de la		Control of the Contro		<u>recessi</u> e as accion		t same of Same State of March 1989	ett et bestättige statische seine gest	n geraphyd a the gaste ngweller a gelledd a llegen a chwllol a chwllol a chwllol a chwllol a chwlor a chwlor a
	BASIN DAKOTA	A (PRORAT	ED GA	S)	7				,	
	BLANCO MESA				-		-			
	·									
Feeling Angles										Stalonutole
Latitude: 36.72	Longitud	e: -107.38	(2000) (CO 100)	X:		Y:		Section: 17	5-4-04-18-07-18-08-08-08-08-08-08-08-08-08-08-08-08-08	Range: 5W
Footage X: 2300 FE	L Footage	Y: 1000 FS	L	Elevation: 65	99 ((FT)	Township: 29N			
Tolerance:										
Location Type: Year	Round		Start [Date (Est.):		Com	pletion Date:		Date In O	peration:
Formation Data: A	Assume KB = 0	6615 L	Jnits =	FT			- 100-W-110, T			
Formation Call & Casing Points	(Depth TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	внт			Remarks	:
Surface Casing	•	216	6399				12-1/4 hole. 9 to surface.	5/8" 32.3 pp	f, H-40, ST(C casing. Circulate cement
NCMT		1415	5200							
CJAM		2665	3950				Possible water f	lows.		
KRLD		2915	3700							
FRLD		3295	3320	_			Possible gas.			
PCCF		3515	3100							
LEWS	•	3715	2900	=			9 2/4" Hala 7"	20 nnf 1 E	E CTC Cools	og Circulata sament ta
Intermediate Casing		3815	2800				surface.	, 20 ppi, J-5:	, sic casil	ng. Circulate cement to
CHRA		4550	2065							
CLFH		5390	1225				Gas; possibly w	et		
MENF		5465	1150				Gas.			
PTLK		5730	885	Ï			Gas.			,
CLLP		6990	-375				Gas. Possibly w	vet.		

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PROJECT PROPOSAL - New Drill / Sidetrack

From (Ft)

San Juan Business Unit

SAN JUAN 29	-5 63F				
CRHN		7705	-1090		Gas possible, highly fractured
CBBO		7885	-1270		Gas
total depth DK		8055	-144 0		6-1/4" Hole. 4-1/2", 11.6 ppf, N-80, LTC casing. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.
Reference Well	B4.				
Reference Type	Well Name			Comments	
Postina Grasia	liik .				
Intermediate Logs	s: 🔲 Log only if	fshow [GR/ILD	Triple Combo	
TD Logs:	☐ Triple Com	nbo 🔲 🛭	Dipmeter	RFT Sonic	□ VSP☑ TDT
Additional Inform	ation:				

Comments: Zones - Drill and equip the SAN JUAN 29-5 63F well as an 80-acre Mesaverde/Dakota infill well, to be located 2300 FEL & 1000 FSL of Section 17-T29N-R5W, Rio Arriba County, NM. Once established and adequately tested, production will be downhole commingled.

To (Ft)

General/Work Description - Drill and equip the SAN JUAN 29-5 63F well as an 80-acre Mesaverde/Dakota infill well, to be located 2300 FEL & 1000 FSL of Section 17-T29N-R5W, Rio Arriba County, NM. Once established and adequately tested, production will be downhole commingled.

Tool Type/Name

Remarks

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Log Type

Stage

San Juan 29-5 # 63F Halliburton Cementing Program

SURFACE CASING:

Drill Bit Diameter	12.25	11	
Casing Outside Diameter	9.625	11	Casing Inside Diam. 9.001"
Casing Weight	32.3	ppf	<u> </u>
Casing Grade	H-40		
Shoe Depth	235	ŀ	
Cement Yield	1.21	cuft/sk	
Cement Density	15.6	lb/gal	
Excess Cement	125	%	
Cement Required	(43)	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	l' '	
Shoe Depth	3815	ŀ	
Lead Cement Yield	2.88	cuft/sk	:
Lead Cement Density	11.5	lb/gal	
Lead Cement Excess	150	%	
Lead Cement Required	382	sx	
Tail Cement Length	763] '	
Tail Cement Yield	1.33	cuft/sk	
Tail Cement Density	13.5	lb/gal	
Tail Cement Excess	150	%	
Tail Cement Required	220	sx	
		_	

SHOE

3815 ',

7 ",

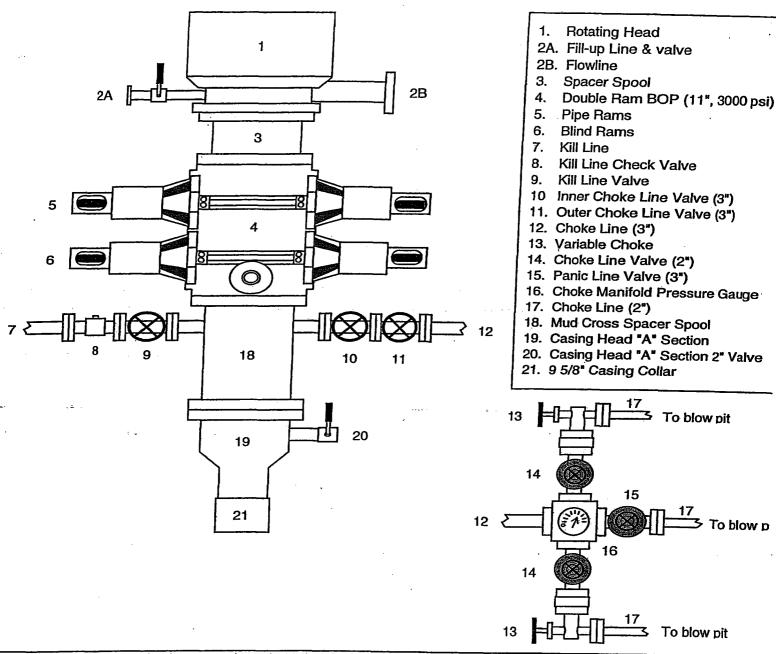
20 ppf,

J-55 STC

PRODUCTION CASING:

Drill Bit Diameter	6.25	u u	
Casing Outside Diameter	4.5] _"	Casing Inside Diam. 4.000 "
Casing Weight	11.6	ppf	
Casing Grade	N-80		
Top of Cement	3615	ŀ	200' inside intermediate casing
Shoe Depth	8055	ŀ	_
Cement Yield	1.45	cuft/s	sk
Cement Density	13.1	lb/ga	1
Cement Excess	50	%	
Cement Required	466	sx	

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



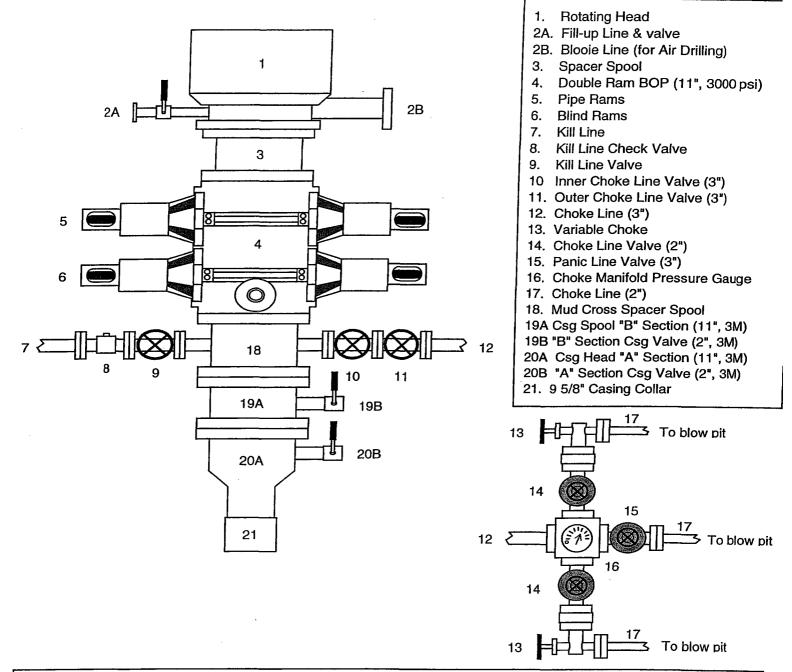
A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe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

1. Upper Kelly cock Valve with handle

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:	SA	AN JUAN 29	-5 UNIT	_	Well #	63F		
Surface Loca	tion:							
Unit: O	_Sectio	on: 17 To	wnship:	29N	_Range:	5W		
County: RIC) ARRI	BA		States	: New M	exico		
Footage	1000	from the	SOUTH	line	2300	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.