						Ell 60 63 2133
Form 3160 -3		2005 MAY 10	PΜ	11 FORMAR	PROVED	
(February 2005)		cood initi 10	1 1 4	OMB No. 1 Expires Mar		AUG 2005
UNITED STATE: DEPARTMENT OF THE	NTERIOR		EIVED	5. Lease Serial No.	2	RECEIVED
BUREAU OF LAND MAN	AGEMEN	T 070 FARM	Meta			L CONS. DIV.
APPLICATION FOR PERMIT TO	DRILL OF	R REENTER		6. If Indian, Allotee or	Tribe Name	DIST. S
				<u> </u>		(1)
Ia. Type of work: DRILL REENT	ER			7. If Unit or CA Agreem	ent, Name and	STAISISING
ib. Type of Well: Oil Well Gas Well Other	s	Single Zone Multi	iple Zone	8. Lease Name and We SAN JUAN 32-		67
2. Name of Operator CONOCOPHILLIPS CO	MPANY			9. API Well No. 30-045	-3307	5
3a. Address	3b. Phone N	No. (include area code)		10. Field and Pool, or Exp	•	
4001 PENBROOK, ODESSA, TX 79762		432-368-1352		BASIN FRUITI		
4. Location of Well (Report location clearly and in accordance with any State requirements, *) NENE 61 FNL - 391 FEL				I 1. Sec., T. R. M. or Blk.	and Survey or Are	a.
At surface INEINE OI FIND - 391 FI At proposed prod. zone	CL			SECTION 23, T32	:N, R8W	
14. Distance in miles and direction from nearest town or post office*				12. County or Parish	13. State	
			т	SAN JUAN	NM	<u> </u>
15, Distance from proposed** location to nearest	16. No. of a	cres in lease	17. Spacin	g Unit dedicated to this well		
propery or lease line, ft. (Also to nearest drig. unit line, if any)		1760		E/2 320.0 AC	RES	
 Distance from proposed location* to nearest well, drilling, completed, 	19. Proposed	d Depth	20. BLM/E	BIA Bond No. on file		
applied for, on this lease, ft.		3983'				
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7040' GL	22 Approxim	nate date work will star	t*	23. Estimated duration		
	24. Attac	hments		<u> </u>		
The following, completed in accordance with the requirements of Onshor	e Oil and Gas	Order No. 1, must be at	tached to this	s form:		
Well plat certified by a registered surveyor.		4 Bond to cover the	e onerations	unless covered by an exist	ting bond on file	(200
Wen placed theory a registed surveyor. A Drilling Plan.		Item 20 above).	copciadois	unicss covered by arreads	ang constron me	(see
3 A Surface Use Plan (if the location is on National Forest System L	ands, the	5. Operator certifica				
SUPO must be filed with the appropriate Forest Service office).		6. Such other site sp BLM~	ecitic interi	nation and/or plans as may	be required by the	ne
25. Signature	Name	(Printed/Typed)		Date	 	
Vicke Wilthu(Dr)		Vicki	Westby		5/6/2005	
Title Staff Agent						
Approved by (Signature)	Name	(Printed/Typed)	_	Dati	e ,	\mathcal{T}
Jun bolalo					8/25/	05
Title Lating Re ld Manager &	Office	0_				
Application approval does not warrant or certify that the applicant holds	legal orequita	able title to those rights	in the subje	ct lease which would entitle	the applicant to	
conduct operations therbon. Conditions of approval, if any, are attached.						
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a C States any false, fictitious or fraudulent statements or representations as to			villfully to m	ake to any department or ag	ency of the United	 I
*(Instructions on page 2)			^5/			
	HOLD C	HOW POP IV	سلنكس			
ConocoPhillips Company proposes to drill a vertical w and equipped in accordance with the attachments subr					will be drilled	İ
ConocoPhillips will use mudloggers to prevent us from	accessing	the Pictured Clif	fs format	ion.		

NWOCD

This well does not require HPA notification

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised June 10, 2003

District_II 1301 W. Grand Avenue, Ariesia, NM 88210 District_III

Submit to Appropriate District Office

1000 Rio Brazos Rd., Aziec, NM 87410 District IV

1625 N. French Dr., Hobbs, NM 88240

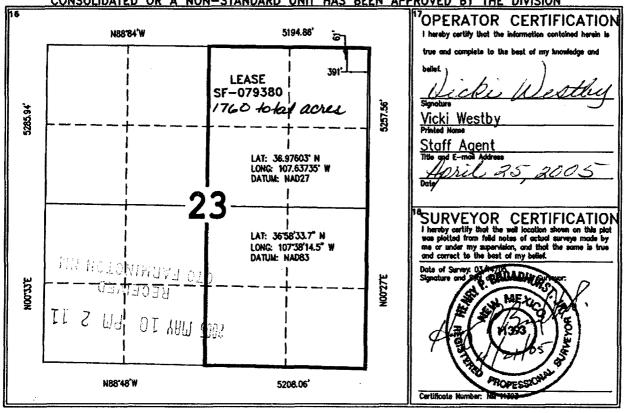
District_

State Lease - 4 Copies Fee Lease - 3 Copies

1220 S. St. Francis Dr., Santa Fe, NM 87505

1220 S. St. Francis Dr.,	Santa Fe, NM 87505		☐ AMMENDE	ED REPORT 28272829
	WELL LOCATION AN	ND ACREAGE DEDICAT	ION PLAT	A COLUMN A SOUTH
¹ API Humber	*Pool Code 71629	BASIN FRUITLA	ND COAL (GAS)	AUG 2005
⁴ Property Code 31330	SAN JU	roperty Name AN 32-8 UNIT	Well Nu 267	PECEIVED +
7 OGRID No. 217817	CONOCOPH	Perator Name IILLIPS COMPANY	*Elevati 704	on by Dist. Solv.
	'¹ºSurfac	ce Location		$\mathbf{Y} o$
UL or lot no. Section T	ownship Range Lot Idni Feet from 32N 08W 61	n the North/South line Feet from the NORTH 391	East/West line EAST SAN	JUAN LEST SI VI DOS
11	Bottom Hole Locatio		Surface	
UL or lot no. Section To	ownship Range Lot idn Feet from	n the North/South line Feet from the	Equi/West line	County
	Infill ¹⁴ Consolidation Code ¹⁶ Order No.			
E/2 320.0				

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 Mexic	œ	Fonn C-103
District I	Energy, Minerals and Natural	Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District 11		V	WELL API NO.
1301 W. Grand Ave., Artesia, NM 882 1 0	OILCONSERVATIOND	IVISION 5	5. Indicate Type of Lease
<u>District III</u> I 000 Rio Brazos Rd., Aztec, NM 8741 0	1220 South St. Francis	Dr.	STATE FEE
District IV	Santa Fe, NM 8750	5 6	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa I e, NM			
87505 SUNDRYNOI	ICESANDREPORTSONWELLS	7	Lease Name or Unit Agreement Name
(DONOTUSETHIS FORMFOR PROPO	SALSTODRILLOR TO DEEPEN OR PLUGE	ACKTOA	. Zette 1 terre of critical growther terre
PROPOSALS)	CATION FOR PERMIT (FORM C-101) FOR SU		SAN JUAN 32-8 UNIT
1. Type of Well: Oil Well	Gas Well 🔀 Other	8.	. Well Number 267
2. Name of Operator		9.	.OGRID Number
	ConocoPhillips Company		217817
3. Address of Operator		10	0. Pool name or Wildcat
	4001 Penbrook, Odessa, TX 79762	2	BASIN FRUITLAND COAL
4. Well Location			
Unit Letter A	61 feet from the North	_ line and39	
Section23	Township 32N Range		MPM San Juan County
	I 1. Elevation (Show whether DR, RI 7040)	KB, RT, GR, etc.) GL	
Pit or Below -grade Tank Application	1		
Pit type Drill Depth to Groundw:		well > 1 mile	Distance from nearest surface water 50'
Liner Thickness: mil	Below-Grade Tank; Volume		ction Material
12. CHECK P	Appropriate Box to Indicate Natur	e of Nouce, Rep	on or Other Data
NOTICE OF IN	TENTION TO:	SUBSE	QUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON RE	MEDIAL WORK	☐ ALTERING CASING ☐
TEMPORARILY ABANDON	=== I	MMENCE DRILLIN	
PULL OR ALTER CASING	MULTIPLE COMPL	SING/CEMENT JO!	в Ц
OTHER:	П от	HER:	П
13. Describe proposed or comp	leted operations. (Clearly state all pertin	ent details, and give	e pertinent dates, including estimated date
	dk). SEE RULE I 1 03. For Multiple Co	mpletions: Attach v	wellbore diagram of proposed completion
or recompletion.			
	accordance with Rule 50 and as per the No		
location of the pit in reference to the pro-	posed wellhead. The drill pit will be lined.	The drill pit will be d	closed after the well has been completed.
			100 (100 S) 3/3/3/
			~ AUG 2005 ₩
			RECEIVED 5
			TONS. DN. OF
			Sep. 31.3
I hereby certify that the information ab grade tank has been/will be constructed or cle	ove is true and complete to the best of mosed according to NMOCD guidelines , a go	y knowledge and be meral permit 🗌 or an (clief. I further centify that pay pit the below- (attached) alternative Octoopproved plan [
SIGNATURE Vicki Westby	TITLE Staff Ag	ent	DATE 5/6/2005
Type or print name	E-mail address:		Telephone No.
For State Use Only	\mathcal{I}_{μ}		
APPROVED BY:	THE OPUTY	oal & Gas inspect	or past. Each $_{ m DATE}$ AUG 29 200
Conditions of Approval (if any):	Vulnerable area		DATE

CONOCOPHILLIPS COMPANY SAN JUAN 32-8 UNIT #267 61' FNL & 391' FEL, SECTION 23, T32N, R08W, NMPM SAN JUAN COUNTY, NEW MEXICO ELEVATION: 7040' 50' CONSTRUCTION ZONE C19.0 DRAIN TO RESERVE **BLOW PIT** RESERVE PIT 55' X 125' 82, *SURFACE OWNER* BLM PLAT NOTE: ① F10.3 3 C10.0 S22W -125' 22 52 ACCESS ROAD 2055 A-A' 7050' 7040' 7030' B-B' 7050 7040' 7030' C-C' 7050 7040' 7030' FILENAME: SJ32-8 267.dwg SHEET 2 OF 6 CHENAULT CONSULTING INC. DRAWN BY:J. FUNK CHECKED BY: G. CHENAULT



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-8 267

Casing Points (TVD in Ft) (Ft) (Yes/No) (PSIG) BH1 Remarks SAN JOSE 13 7040	Lease:						AFE #:				AFE \$:
Res. Engineer Peterson, Brad Phone: 486-2055 Proj. Field Lead: Phone:	Field Name: hPF	ILLIPS	32-8		Rig:				State: NM	County: SAN JUAN	API #:
Example Exam	Geoscientist: Clo	oud, To	om A		Phone	: +1 832 48	86-2377	Prod.	Engineer:	F	Phone: 832-486-2254
	Res. Engineer: P	eterso	n, Brad	Г	Phone	: 486-2055		Proj.	Field Lead:	F	Phone:
Locations Surface	Primary Object	ive (Z	ones):			2.7			1,34	196	
Laction: Surface Straight Fole	Zone	Zon	e Name	1							
Latitude: 36.98	JCV	BAS	IN FRUI	TLAND COAL	(GAS)						
Latitude: 36.98							<u>_</u>				
Latitude: 36.98											
Latitude: 36.98											
Footage X: 391 FEL	Location: Surface	ce ,	1.1	1.5			44.		+	A Real of the	Straight Hole
Tolerance: Location Type: Start Date (Est.): Completion Date: Date In Operation:	Latitude: 36.98		Longitu	ude: -107.64		X:		Y:		Section: 23	Range: 8W
Coation Type: Start Date (Est.): Completion Date: Date In Operation:	Footage X: 391 F	EL	Footag	e Y: 61 FNL		Elevation: 7	040	(FT)	Township: 32N		
Formation Data: Assume KB = 7053	Tolerance:										
Depth Casing Points Casing Casing	Location Type:				Start D	oate (Est.):		Con	npletion Date:	Date In O	peration:
Casing Points	Formation Data:	Assu	me KB =	: 7053 L	Jnits =	FT ·					
Surface Casing 213 6840	Formation Call & Casing Points							BHT		Remarks	
NCMT	SAN JOSE			13	7040						
NCMT 1233 5820	Surface Casing			213	6840					5/8" 32.3 ppf, H-40, STO	C casing. Circulate cement
KRLD 2903 4150	NCMT			1233	5820				to surface.		
Possible gas. Intermediate Casing 3533 3520	OJAM			2778	4275				Possible water	flows.	
Sand	KRLD			2903	4150						
Surface. TOP COAL 3563 3490 BASE MAIN COAL 3723 3330 1250 PC TONGUE 3733 3320 BASE LOWEST COAL 3903 3150 BASE LOWEST COAL 3911 3142 BASE LOWEST COAL 3993 3070 6-1/4" hole possibly underreamed to 9.5". Optional Liner: 5.5", 15.5#, J-55 LTC - left uncemented. Reference Wells: Reference Type Well Name Comments MWPL 32-8 #259A MITEMEDIATE MWPL 32-8 #41 MITEMEDIATE MWPL 32-8 #37	FRLD			3483	3570				Possible gas.		
TOP COAL 3563 3490	Intermediate Casin	ıg		3533	3520				8 3/4" Hole. 7' surface.	', 20 ppf, J-55, STC Casir	g. Circulate cement to
PC TONGUE 3733 3320	TOP COAL			3563	3490						
BASE LOWEST COAL 3903 3150	BASE MAIN COAL			3723	3330		1250			•	
PCCF 3911 3142	PC TONGUE			3733	3320						
Total Depth 3983 3070 G-1/4" hole possibly underreamed to 9.5". Optional Liner: 5.5", 15.5#, J-55 LTC - left uncemented. Reference Type Well Name Comments Intermediate COP 32-8 #259A Intermediate NWPL 32-8 #41 Intermediate NWPL 32-8 #37	BASE LOWEST COA	AL		3903	3150						
Reference Wells: Reference Type Well Name Comments Intermediate COP 32-8 #259A Intermediate NWPL 32-8 #41 Intermediate NWPL 32-8 #37	PCCF			3911	3142						
Reference Wells: Reference Type Well Name Comments Intermediate COP 32-8 #259A Intermediate NWPL 32-8 #41 Intermediate NWPL 32-8 #37	Total Depth			3983	3070				6-1/4" hole pos	sibly underreamed to 9.5	". Optional Liner: 5.5",
Reference Type Well Name Comments Intermediate COP 32-8 #259A Intermediate NWPL 32-8 #41 Intermediate NWPL 32-8 #37	Reference Wells	; ;							13.5#, 3-35 ER	2 - lert uncemented.	A Land
ntermediate NWPL 32-8 #41 ntermediate NWPL 32-8 #37			lame			Comment	S				
ntermediate NWPL 32-8 #37		COP 3	2-8 #25	9A	-						-
	Intermediate	NWPL	32-8 #4	1			 ,				
ntermediate Southland Wilmer Canyon #3	Intermediate	NWPL	32-8 #3	7							
	Intermediate	Southla	and Wilr	ner Canyon #	‡ 3						



PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 32-8 267

San Juan Business Unit

	Logging Progr	am:	ters substitute	er de la	Part House West		
ľ	Intermediate Log	gs: 🔲 Log only if	show GR/ILD	☐ Triple Com	nbo		
	TD Logs:	Triple Com	nbo 🗌 Dipmeter	RFT Sc	onic VSP TDT		
					C will comply with		
	Additional Inform		M's Conditions of a rathole in this non- ion				
	Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks	

Comments: Zones - No PCCF PA or gas pool.

Obtain mudlog from intermediate casing to TD.

This is a NSL.

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

San Juan 32-8 # 267 **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	230	,	
Cement Yield	1.21	cuft/sk	
Cement Density	15.6	lb/gal	
Excess Cement	125	%	
Cement Required	- 141	sx	

SHOE

230 ', 9.625 ", 32.3 ppf, H-40 STC

INTERMEDIATE CASING:

Duitt Bit Diamenton	0.75	1	
Drill Bit Diameter	8.75]"	
Casing Outside Diameter	7	"	Casing Inside Diam. 6.456
Casing Weight	20	ppf	
Casing Grade	J-55	1	
Shoe Depth	3533	ŀ	
Lead Cement Yield	2.91	cuft/sk	
Lead Cement Density	11.5	lb/gal	
Lead Cement Excess	160	%	
Tail Cement Length	315	 '	
Tail Cement Yield	1.33	cuft/sk	
Tail Cement Density	13.5	lb/gal	
Tail Cement Excess	160	%	
Lead Cement Required	415	sx	
Tail Cement Required	100	sx	
•••			

LINER TOP 3513 '

SHOE 3533 ', 7 ", 20 ppf, J-55

LINER BOTTOM 3983 (Uncemented)

SAN JUAN 32-8 #267

HALLIBURTON OPTION

TIALLIBORY ON OF THE T					
9-5/8 Surface Casin	g				
Standard Cement					
+ 3% Calcium Chlori	de				
+ 0.25 lb/sx Flocele					
141 sx					
1.21	cuft/sx				
170.7	cuft				
30.4	bbls				
15.6	ppg				
5.29	gal/sx				
	9-5/8 Surface Casin Standard Cement + 3% Calcium Chlor + 0.25 lb/sx Flocele 141 1.21 170.7 30.4				

7" Intermediate Casing					
	Lead Slurry				
Standard Cement					
o (Destar		t Circulation Additive)			
Cement Recipe	+ 10 lb/sx Gilsonite (Lost Circ. Additvie)			
	+ 0.25 lb/sx Flocele (Lost Circ. Additive)				
Cement Required	415	SX			
Cement Yield	2.91	cuft/sx			
	1206.2	cuft			
Slurry Volume	214.8	bbls			
Cement Density	11.5	ppg			
Water Required	16.88	gal/sx			

7" Intermediate Casing				
	Tail Slurry			
	50 / 50 POZ:Standar			
	+ 2% Bentonite (Ligh	nt Weight Additive)		
Cement Slurry	+ 5 lbm/sk Gilsonite	(Lost Circ. Additive)		
•	+ 0.25 lbm/sk Flocel	+ 0.25 lbm/sk Flocele (lost Circ. Additive)		
	+ 2% Calcium Chloride (Accelerator)			
Cement Required	100	SX		
Cement Yield	1.33	cuft/sx		
	132.7	cuft		
Slurry Volume	23.6	bbls		
Cement Density	13.5	ppg		
Water Required	5.36	gal/sx		

SCHLUMBERGER OPTION

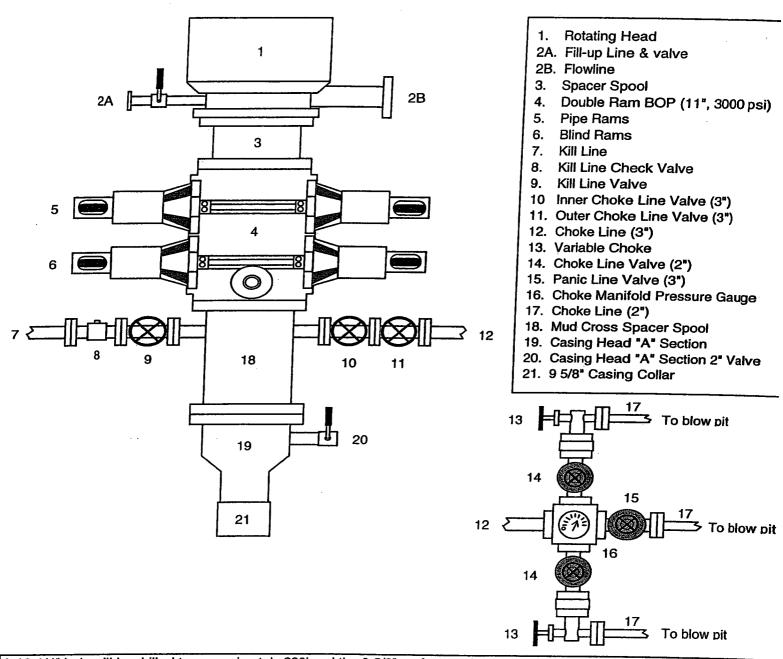
00/120/112-110-11-11-11-1					
	9-5/8 Surface Casing				
	Class G Cement				
Cement Recipe	+ 3% S001 Calcium	Chloride			
	+ 0.25 lb/sx D029 Ce	+ 0.25 lb/sx D029 Cellophane Flakes			
Cement Volume	147	sx			
Cement Yield	1.16	cuft/sx			
01	170.7	cuft			
Slurry Volume	30.4	bbls			
Cement Density	15.8	ppg			
Water Required	4.983	gal/sx			

7" Intermediate Casing					
	Lead Slurry				
	Class G Cement				
Coment Besins	+ 3% D079 Extende				
Cement Recipe	+ 0.25 lb/sx D029 Co	ellophane Flakes			
	+ 0.2% D046 Antifoam)				
Cement Required	464	sx			
Cement Yield	2.61	cuft/sx			
Chama A Volume	1212.1				
Slurry Volume	215.9	bbls			
Cement Density	11.7 ppg				
Water Required	15.876	gal/sx			

	7" Intermediate Casin	g			
Tail Slurry					
Cement Slurry	50 / 50 POZ : Class G Cement				
	+ 2% D020 Bentonite				
	+ 5 lb/sx D024 Gilsonite extender				
	+ 0.25 lb/sx D029 Cellophane Flakes				
	+ 2% S001 Calcium Choloride				
	+ 0.2% D046 Antifoam				
Cement Required	100	SX			
Cement Yield	1.27	cuft/sx			
Slurry Volume	126.9	cuft			
	22.6	bbls			
Cement Density	13.5	ppg			
Water Required	5.182	gal/sx			

BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

For Drilling to Intermediate Casing Point & Setting 7" Intermediate Casing



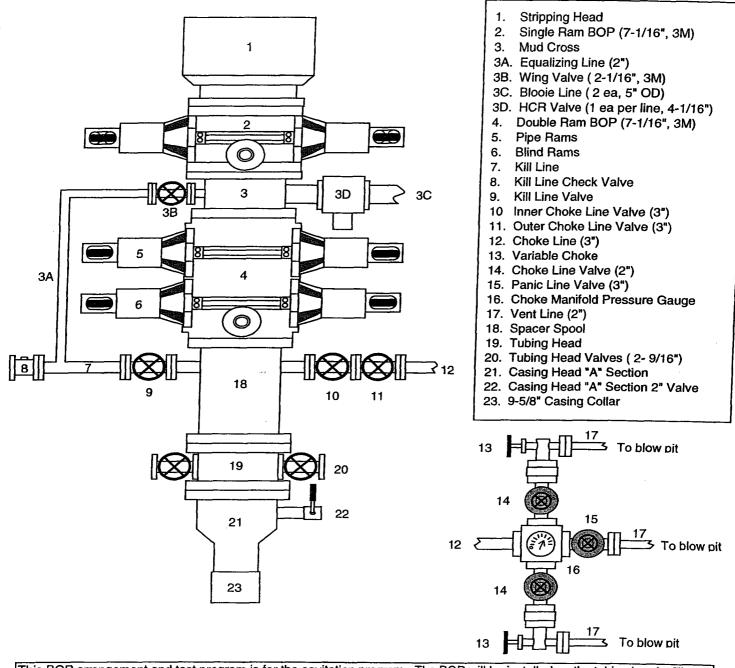
A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe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

- 1. Upper Kelly cock Valve with handle
- 2. Stab-in TIW valve for all drillstrings in use

BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

For Cavitation Program



This BOP arrangement and test program is for the cavitation program. The BOP will be installed on the tubing head. 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. The pipe rams and choke manifold will be tested to 200 psi to 300 psi (low pressure test) for 10 minutes and to 1800 psi (high pressure test) for 10 minutes - This test will be done with a test plug or possibly without a test plug (ie against casing). If we conduct this test without a test plug we will ensure that we have sufficient drillstring weight in the hole to exceed the upward force generated by the test.

We use a power swivel and air/mist to drill the 6-1/4" hole in our cavitation program. We do not use a kelly. In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

- 1. String floats will be used inside the drillpipe
- 2. Stab-in TIW valve for all drillstrings in use
- 3. Each blooie line is equipped with a hydraulically controlled valve (HCR valve).

Property:	San Juan 32-8 Unit	Well	#:	267	
Surface Locati	on:				
Unit: A	Section: 23 Township:	32N Range	e:8W		
County: San Juan		State: New Mexico			
Footoge: (ol from the North	line 391	from the	Fast	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.