	•				* • · ·			
Fonn 3160 -3 (February 2005)	WHITE OTATE	. A 8 0	THE PARTS C		1000 OMB	FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007		
Г	UNITED STATES EPARTMENT OF THE I BUREAU OF LAND MAM	ÑŤÉRIOR		K Kived	5. Lease Serial No	5. 5-078998		
	ION FOR PERMIT TO	ক ্ টে^ .	こうかん カーバ		6. If Indian, Alloto	ee or Tribe	Name	
Ia. Type of work: DRILL	REENT	ER .		ij Ž	7. If Unit or CA Ag	reement, Na	ame and No.	
lb. Type of Well: Oil Well	Gas Well Other	ple Zone	8. Lease Name and Well No. San Juan 32-7 Unit #227A					
2. Name of Operator	ConocoPhillips Com	, pany			9. API Well No.)45 <i>-</i>	3310	
3a. Address		3b. Phone No.	(include area code)		10. Field and Pool, o	r Explorator	гу	
4001 Penbrook, Od			432-368-1352			ruitland		
At surface	ESW 1434 FSL - 602 FWL ENW 2500 FNL - 750 FWL	iaie requireme	us, 7		Sec. 18, T31N,		•	
14. Distance in miles and direction from	n nearest town or nost office*				12. County or Parish		13. State	
14. Distance in times and direction from	in nearest town or post office				San Juan		NM	
15, Distance from proposed* location to nearest propery or lease line, ft. (Also to nearest drig, unit line, if a	nv)				Unit dedicated to this well			
					Order R-9305 - 321.61 acres			
 Distance from proposed location* to nearest well, drilling, completed applied for, on this lease, ft. 	,	19. Proposed Depth 3587' TVD 3987.89' MD			BIA Bond No. on file			
21. Elevations (Show whether DF, K. 6604		22 Approximate date work will start*			23. Estimated duration			
		24. Attac	hments		<u> </u>			
The following, completed in accordance	with the requirements of Onshore	Oil and Gas (Order No. 1, must be att	ached to this	s form:			
 Well plat certified by a registered su A Drilling Plan. A Surface Use Plan (if the location SUPO must be filed with the appro 	n is on National Forest System L	ands, the	Item 20 above). 5. Operator certifica	ation	unless covered by an	-	,	
25. Signature		Name /	Printed/Typed)	-55°*		Date	_=	
Dicke U	Listby	`		Westby		5/19	9/2005	
Title Staff Agent								
Approved by (Signature)	9	Name (Printed/Typed)			Date	Tulos	
Hedry Field M	or certify that the applicant holds	Office Office	ble title to those rights	in the subje	ct lease which would e	entitle the ap	oplicant to	
Title 18 U.S.C. Section 1001 and Title 4 States any false, fictitious or fraudulent	3 U.S.C. Section 1212, make it a c statements or representations as to	rime for any p any matter wi	erson knowingly and w thin its juris iction.	villfully to m	ake to any department	or agency o	of the United	
*(Instructions on page 2)		50p /	inection	1/51/	'rveu			
ConocoPhillips Company pro	• • • • • • • • • • • • • • • • • • • •				J	is well wi	ill he	

ConocoPhillips will use mudloggers to prevent us from accessing the Pictured Cliffs formation.

drilled and equipped in accordance with the attachments submitted herewith. This application is for APD/ROW.

This well does not require HPA notification.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

MMOCD

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

State Broken State of State of

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

Submit to Appropriate District Office

State Lease — 4 Copies

Fee Lease - 3 Copies

☐ AMMENDED REPORT

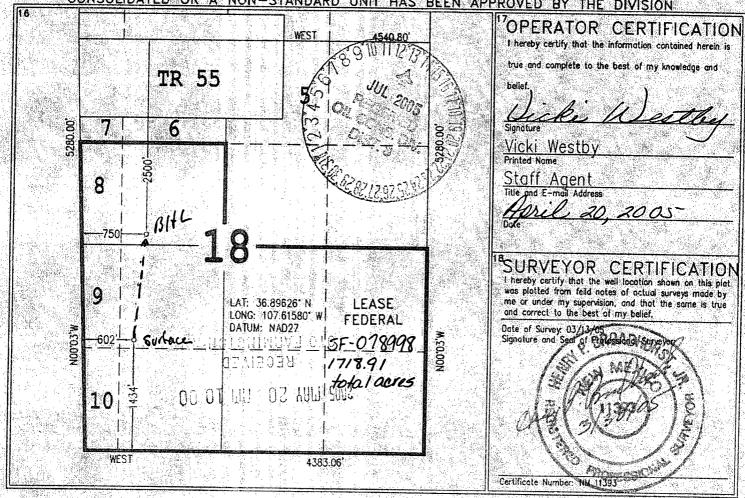
District J
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV

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

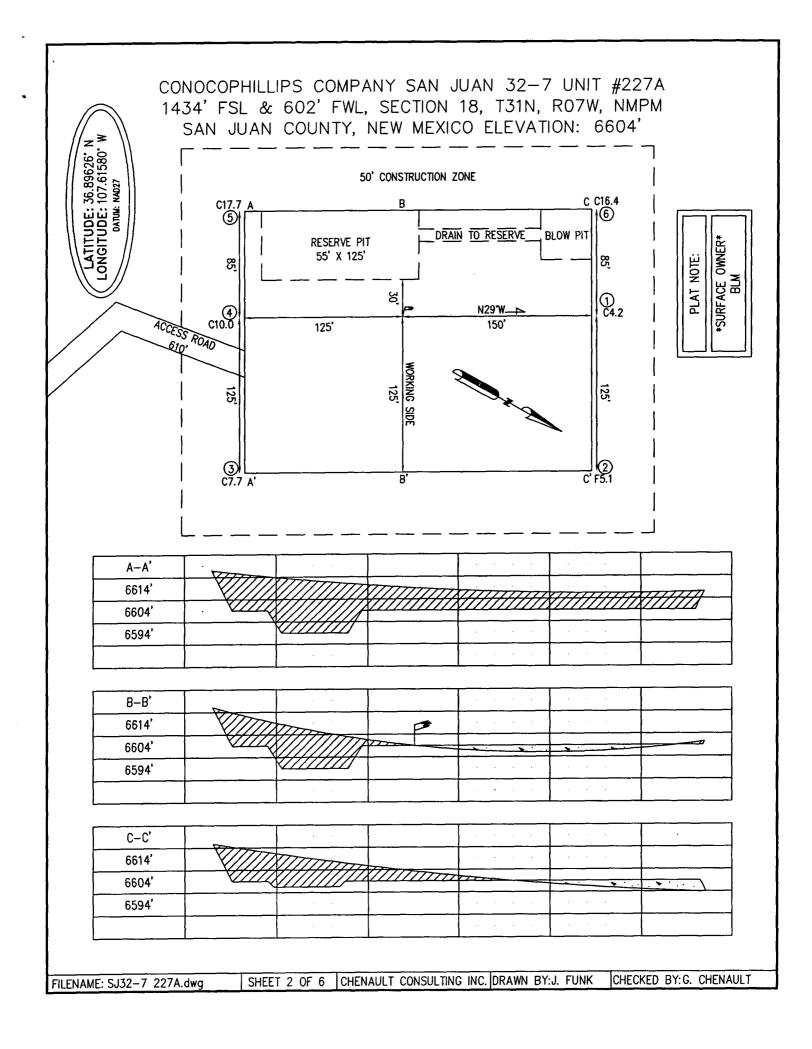
LOCATION AND ACREAGE DEDICATION PLAT WFII API Number 30015-3 71629 BASIN FRUITLAND COAL (GAS) Property Code 31329 ^aProperty Name Well Number SAN JUAN 32-7 UNIT 227A *Operator: Name
CONOCOPHILLIPS COMPANY OGRID No. Elevation 217817 6604

¹⁰Surface Location UL or lot no. Section Township Ronge Lot Idn Feet from the North/South line Feet from the East/West line K 18 31N 07W SOUTH 1434 602 WFST SAN JUAN 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 18 31N 07W 2500 NORTH 750 WEST SAN JUAN Joint or Infill Consolidation Code Order No. Dedicated Acres 321.61

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 Mexico			Fon	n C -10
_	<u>District I</u>	Energy, Minerals and Natural Resources	WELLA	OI NO	Ma	ay 27, 200
•	1625 N. French Dr., Hobbs, NIM 88240 <u>District 11</u>		WELL A	TINO.		
	1301 W. Grand Ave., Artesia, NM 882 1 0 District III	OIL CONSERVATION DIVISION 1220 South St. Francis Dr.	I	Type of Leas	e	
	1000 Rio Brazos Rd., Aztec, NM 8741 0	Santa Fe, NM 873059 10 11 /2 /3		ATE	FEE []
	<u>District IV</u> 1220 S. St. Francis Dr., Santa I e, NM	Saina i C, i vivi 6, 2000 and in the	6. State Of	il & Gas Lease	No.	
F	87505	ICESANDREPORTSONWESSO (2)	(ZAI man N	lame or Unit A		NT
1	(DONOTUSETHIS FORMFOR PROPO	SALSTODRILLOR TO DEEPEN ORPLUGBACK TO A CO		arie or Onit A	greement	Name
}	DIFFERENT RESERVOIR. USE 'APPLI PROPOSALS.)	CATION FOR PERMIT (FORM C-101) FOR SUCH	[63] 	San Juan 32-	7 Unit	
	1. Type of Well: Oil Well	Gas Well Other	8./Well Nu	ımber	227A	
	2. Name of Operator	ConocoPhillips Company) 9. OGRID	Number	21791	7
ŀ	3. Address of Operator	Conocor minps Company	I O. Pool na	ame or Wildca	21781 t	1 /
	P	4001 Penbrook, Odessa, Tx. 79762		Basin Fruitla	nd Coal	
	4. Well Location					
-	Unit LetterK	1434 feet from the South line and	602 f	eet from the _	West	line
Ĺ	Section18	Township 31N Range 7W	NMPM	San Juan	Cou	ınty
		I 1. Elevation (Show whether DR, RKB, RT, GR, etc. 6604' GL	c.)	<u> </u>		
	Pit or Below -grade Tank Application 🔀 🤇	=		<u> </u>		
l	Pit typeDrillDepth to Groundw	ater $190'$ Distance from nearest fresh water well ≥ 1 Mile	Distance	from nearest surfa	ce water 🙎	290'
	Liner Thickness: mil	Below-Grade Tank: Volume bb1s; C	onstruction Mate	erial		
	12. Check A	Appropriate Box to Indicate Nature of Notice	, Report or C	Other Data		
	NOTICE OF IN	TENTION TO:		REPORT	OF.	
	PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WOR			OF: NGCASIN	JG []
	TEMPORARILYABANDON 🔲	CHANGE PLANS COMMENCE DR				<u>" </u>
	PULL OR ALTER CASING	MULTIPLE COMPL CASING/CEMEN	NT JOB			
	OTHER:	OTHER:				
_	13. Describe proposed or comp	leted operations. (Clearly state all pertinent details, an	d give pertiner	nt dates, includi	ng estima	ited date
	of starting any proposed wo or recompletion.	rk). SEE RULE I 1 03. For Multiple Completions: At	ttach wellbore	diagram of pro	posed con	npletion
	or recompletion.					
T	he pit will be constructed and closed in	accordance with Rule 50 and as per the Nov. 1, 2004 Guid	delines. See the	attached diagram	n that deta	ilethe
lo	cation of the pit in reference to the pro	posed wellhead. The drill pit will be lined. The drill pit w	ill be closed afte	r the well has be	en comple	eted.
					_	
Ti	pereby certify that the information ab	ove is true and complete to the best of my knowledge a	and baliaf I find	har agetify that	i+1	
gr	ade tank has been/will be constructed or cl	osed according to NMOCD guidelines \(\frac{1}{2}\), a general permit \(\sigma\)	or an (attached) a	alternative OCD-a	anv pu or i approved pl	an 🗌
	GNATURE Vicki Westby	TITLE Staff Agent		DATE 5/		
					1912003	- :-
-	pe or print name	E-mail address:		Telephone N	o.	
Fo	or State Use Only	OFFIITY ON A COLO	10a	JUL	- 13	2005
	PPROVED BY:	TITLE GAS INS	PECTOR, DIST.	DATE	- -	~000
	onditions of Approval (if any).		····			





PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-7 227A

Lease:						AFE #: V	/AN.CB	M.5138		AFE \$:
Field Name: hP	HILLIPS	32-7		Rig:				State: NM	County: SAN JUAN	API #:
Geoscientist: C	loud, To	om A		Phon	e: +1 832 4	86-2377	Proc	l. Engineer:		Phone:
Res. Engineer:	eterso	n, Brad T		Phon	e: 486-2055		Proj	. Field Lead:		Phone:
Primary Object	tivė (Z	ones):				100	1, 2, 4		Tell Batter III	
Zone	Zon	e Name								
JCV	BAS	IN FRUITI	AND COA	AL (GAS)						
Location: Surfa	ice'	10.00				1			44.	Deviated
Latitude: 36.90			de: -107.6		X:		Y:		Section: 18	Range: 7W
Footage X: 602	FWL	Footage	Y: 1434	FSL	Elevation:	6604	(FT)	Township: 31N		
Tolerance:										
Location: Botto	m Hole					****				Deviated
Latitude:		Longitud	ie:		X:		Y:		Section: 18	Range: 7W
Footage X: 750	FWL	Footage	Y: 2500	FNL	Elevation:		(FT)	Township: 31N		
Tolerance:										
Location Type: Y	ear Rou	und		Start I	Date (Est.):		Co	mpletion Date:	Date In (Operation:
Formation Data:	Assui	me KB =	6617	Units =	FT					
Formation Call & Casing Points		(Depth TVD in Ft	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	ВНТ	-	Remarks	
SAN JOSE			13	6604						. 5:
Surface Casing			213	6404				12-1/4 hole. 9 to surface.	5/8" 32.3 ppf, H-40, ST	C casing. Circulate cemer
NCMT			1197	5420	=				_	
OJAM			2367	4250				Possible water	flows.	
KRLD FRLD			2477	4140				Descible and		
Intermediate Casii	nca		3117 3157	3500 3460				Possible gas.	20 ppf 1-55 STC Cac	ing. Circulate cement to
	ij							surface.	, 20 ppr, 3-33, 31C Casi	ing. Circulate terrient to
TOP COAL			3187	3430						
BASE MAIN COAL			3317	3300		200				
PC TONGUE	A I		3387	3230						
Base Lowest Co PCCF	ML.		3507 3510	3110 3107						
Fotal Depth			3587	3030				6-1/4" hole nos	sibly underreamed to 0	5". Optional Liner: 5.5",
•			3307	2020		_		15.5#, J-55 LTG	- left uncemented.	o . Optional Lines . 5.5 ,
Reference Well					113				13,144	
Reference Type	Well N		7		Comment	S				
ntermediate ntermediate		32-7 #22 32-7 #20			-					
ntermediate ntermediate		32-7 #20 J 32-7 #2								
	001-3	U UZ-1 #2	.0 1/1		<u> </u>					
									The state of the s	
Logging Progra	m:	19	-				316			

Drinted on: 5/13/2005 10:10:12 AM



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-7 227A

TD Logs:	☐ Triple	Combo Dipmeter	☐ RFT ☐ Sc	onic VSP TDT		
				COPC will comply with		
Additional Infor	mation:	the BLM's Condition sump/rathole in this formation				
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks	

Comments: Location/Tops/Logging - Target hardlines: east of 700' FWL, west of 1200' FWL, south of 2000' FNL, north of 2600' FNL

Zones - To drill and complete a directional Fruitland Coal well. Directional well required due to topography. Current estimate of 1520' road within the critical area. Sight view from Navajo Lake is an issue but OK at the original onsite with this surface location.

Mud Log from intermediate casing shoe to TD will be obtained.

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:

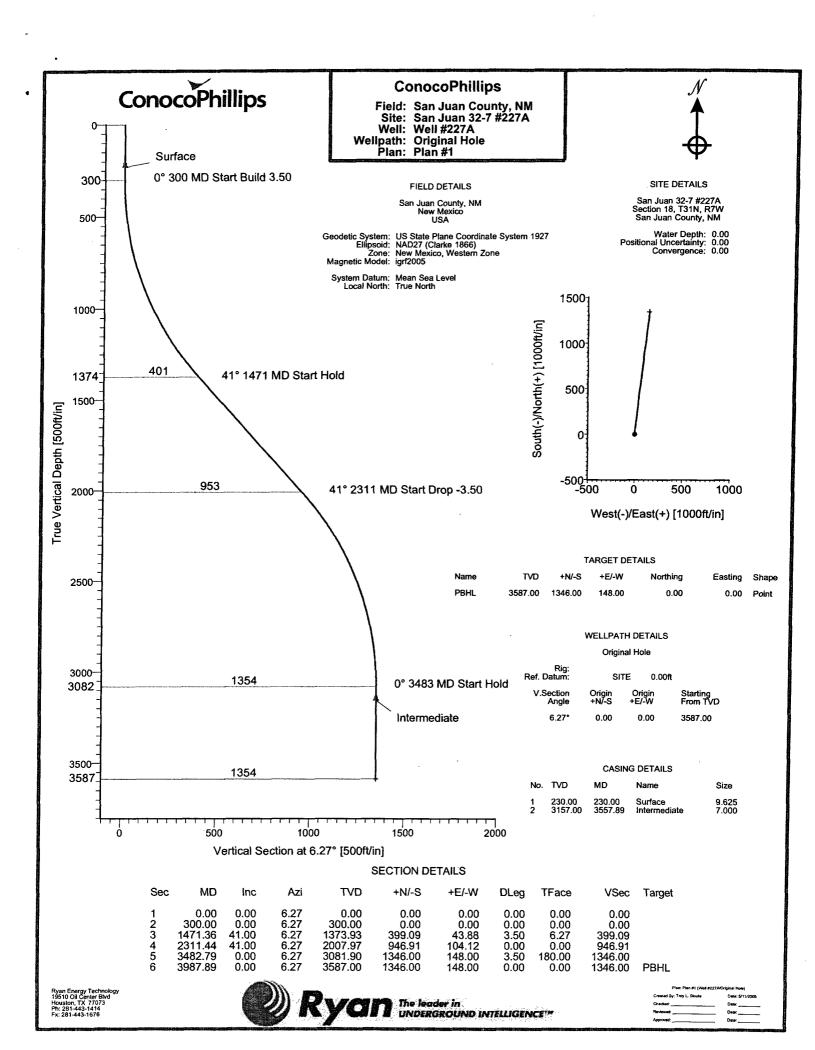
Surface: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2nd, 3rd, & 4th joints
Intermediate: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2nd, 4th, 6th, 8th, & 10th
nts

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

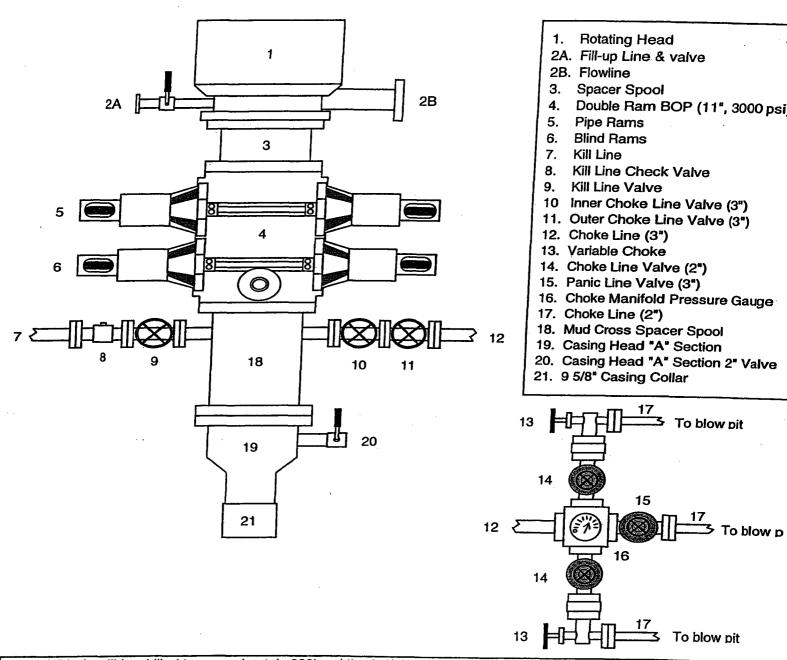
General/Work Description -

San Juan 32-7 #227A

Formation	TVD	MD
San Jose	13	13
Surface Casing	213	213
NCMT	1197	1249.82
OJAM	2367	2742.61
KRLD	2477	2862.92
FRLD	3117	3517.89
Intermediate Casing	3157	3557.89
TOP COAL	3187	3587.89
Base Main Coal	3317	3717.89
PC Tongue	3387	3787.89
Base Lowest Coal	3507	3907.89
PCCF	3510	3910.89
Total Depth	3587	3987.89



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



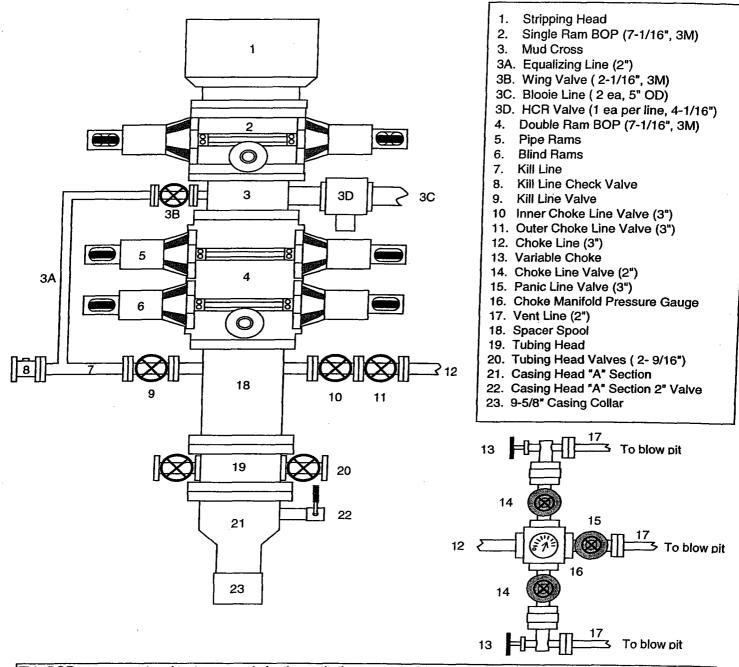
A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe 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 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 32-7 Unit					Well #	!:2	227A		
Surface Loca	ition:								
Unit: K	_Section	on: <u>18</u> Tov	vnship:	31N	_ Range:	7W			
County: Sa	n Juan	-		State	: New M	exico			
Footage:	1434	from the	South	line	602	from the	West	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.