	7.	Timo	
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Form 3160 -3

(February 2005)

2005 MAY 17 AM 10 50

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

CIVILLED STATES	
DEPARTMENT OF THE INTERIOR	
BUREAU OF LANDMANAGEMENT	0

SF-078687

6. If Indian, Allotee or Tribe Name

A DDI	ICATION	EAD DEDM	IT TO DOUL	OD DECNIED	
APPI	LICA HON	FOR PERM	II TO DRILL	OR REENTER	

Ia. Type of work: DRILL REE	NIER	7. If Unit or CA Agreement, Name and No.
lb. Type of Well: Oil Well Gas Well Other	Single Zone Multi	8. Lease Name and Well No. San Juan 32 Fed 15 #1
2. Name of Operator  ConocoPhillips Co	9. API Well No. 30-045-33088	
3a. Address	3b. Phone No. (include area code)	10. Field and Pool, or Exploratory
4001 Penbrook, Odessa, TX 79762	432-368-1352	Basin Fruitland Coal
4. Location of Well (Report location clearly and in accordance with a NENE 270 FNL - 697 FEL At proposed prod. zone NENE 660 FNL - 1000 FEL	11. Sec., T. R. M. or Blk. and Survey or Area Section 15, T32N, R9W (Surface and Bottom Hole)	
4. Distance in miles and direction from nearest town or post office*	12. County or Parish 13. State San Juan NM	
15, Distance from proposed*	16. No. of acres in lease	17. Spacing Unit dedicated to this well

propery or lease line, ft. (Also to nearest drig, unit line, if any) 1305.05 acres E/2 317.6 acres 18. Distance from proposed location\* to nearest well, drilling, completed, 19. Proposed Depth 20. BLM/BIA Bond No. on file 3809<sup>†</sup> TVD applied for, on this lease, ft. 3857.16' MD

21. Elevations (Show whether DF, KDB, RT, GL, etc.) 22 Approximate date work will start\* 23. Estimated duration 6951'

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

- 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 Lands, the SUPO must be filed with the appropriate Forest Service office).
- 4. Bond to cover the operations unless covered by an existir Item 20 above).
- 5. Operator certification
- 6. Such other site specific information and/or plans as may be required by the

25. Signature	Name (Printed/Typed)	Date
- Vicke Westber (D)	Vicki Westby	5/16/2005
Title		
Stoll agent		/
Approved by (Signature)	Name (Printed/Typed)	Date
DI// (aules by)		7/28/05
Title	Office	
<u> </u>	/ / 0	

Name (Printed/Tyned)

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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 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.

ConocoPhillips Company proposes to drill a directional wellbore to the Basin Fruitland Coal formation. This well will be drilled and equipped in accordance with the attachments submitted herewith. This application is for APD/ROW.

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

This well does not require HPA notification.

MOLDERM PO Divectional Survey

<sup>\*(</sup>Instructions on page 2)

# 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

<u>District II</u>
1301 W. Grand Avenue, Artesia, NM 88210
<u>District III</u>

Submit to Appropriate District Office

<u>Diatrict III</u> 1000 Rio Broxos Rd., Aziec, NM 87410

1625 M. French Dr., Hobbs, NM 88240

State Lease - 4 Copies

District IV

District\_

Fee Lease - 3 Copies

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

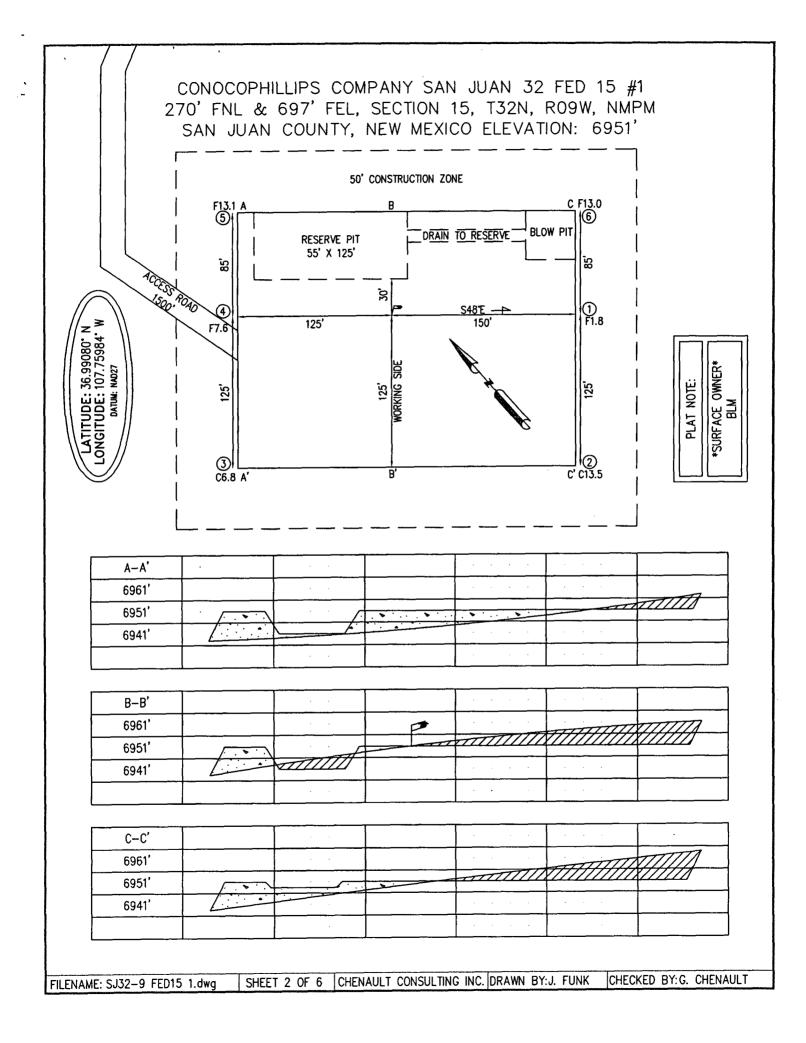
□ AMMENDED REPORT

LOCATION AND ACREAGE DEDICATION PLAT
Pool Code
71629
BASIN FRUITLAND COAL (G API Number 30-045·33088 BASIN FRUITLAND COAL (GAS) SAN JUAN 32 FED Property Code Wall Mumber 15 #1 5156 \*Operator Name
CONOCOPHILLIPS COMPANY Elevation OGRID No. 217817 6951 <sup>10</sup>Surface Location UL or lot no. Feet from the Section Township 09W 32N NORTH SAN JUAN 270 697 EAST Different Bottom Hole Location From Surface ill or lot no. Section Township Feet from the East/West line 32N 09W NORTH 1000 **EAST** SAN JUAN 15 660 "Joint or infili Consolidation Code "Order No. \*Dedicated Acres E/2 317.6

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 OPERATOR CERTIFICATION 5236.44 N88'56'W I hereby certify that the information contained herein is **LEASE** 1000 SF-078687 I BOTTOM HOLE 1305.05 5266.80 total ocres 5289.24 Westby LAT: 36.99080° N LONG: 107.75984" W DATUM: NAD27 SURVEYOR CERTIFICATIOI I hereby certify that the well location shown on this play was plotted from feild notes of actual surveys made by LAT: 36'59'26.9" N me or under my supervision, and that the and correct to the best of my bellet. LONG: 107'45'37.6" W DATUM: NAD83 Date of Survey: 03/28/05 WC15/W WOOTH W N8842W MUV - 010 5239.08 KEOEINED Certificate Numb

SOR WHATA UN TO ED

	Substit 3 Copies To Appropriate District Office	State of New M				Fonn C-103	
,	<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and Na	iurai Resources	WELL API NO.			
	District 11 1301 W. Grand Ave., Artesia, NM 882 1 0	OILCONSERVATIO	NDIVISION	30-045 - 33088 5. Indicate Type of Lease			
	District III	1220 South St. Fra	ancis Dr.	I	· · · —	FEE [	1
	I 000 Rio Brazos Rd., Aztec, NM 8741 0 <u>District IV</u>	Santa Fe, NM 8	37505		il & Gas Lease		<u> </u>
	1220 S. St. Francis Dr., Santa I e, NM 87505						
ſ	SUNDRYNOT	ICES AND REPORTS ON WELL		7. Lease N	lame or Unit Ag	greement l	Name
	(DONOTUSETHIS FORMFOR PROPOR DIFFERENT RESERVOIR, USE 'APPLIC	SALSTODRILLOR TO DEEPENOR PL 'ATION FOR PERMIT' (FORM C-101) F	UGBACKTOA ORSUCH		C 1 22 I	2.115	
	PROPOSALS)	Gas Well 🔀 Other		8. Well Nu	San Juan 32 F		
ŀ	Type of Well: Oil Well      Name of Operator	Gas Well Other		9. OGRID		1	
	2.1 (41)001 (5)014401	ConocoPhillips Company	,	).Condi	TVIIIICA	21781	7
	3. Address of Operator			I 0. Pool na	ame or Wildcat		
-	4 337 113	4001 Penbrook, Odessa, TX	79762		Basin Fruitlar	d Coal	
	4. Well Location Unit Letter A	270 feet from the Nort	h line and	697 f	C 41	East	••
	Section 15		ange 9W	NMPM	eet from the San Juan	Cou	line
L	Booton	I 1. Elevation (Show whether D		T WINT		Cour	пу
Г	Pit or Below -grade Tank Application 🔀 C	losure 69		BILL -			
- 1	Pit type Drill Depth to Groundwa		vater well >1000	Distance	from nearest surfac	e water 2	00'
	Liner Thickness: mil	Below-Grade Tank: Volume		truction Mate		e water	
-	12. Check A	ppropriate Box to Indicate N				· . <u> </u>	
		<del>-</del>	1	•			
	NOTICE OF INT	FENTION TO: PLUG AND ABANDON ☐			REPORT		о П
	PERFORM REMEDIAL WORK   TEMPORARILY ABANDON	CHANGE PLANS	REMEDIAL WORK COMMENCE DRIL			NG CASIN	ᅜᆜ
	PULLORALTER CASING	MULTIPLE COMPL	CASING/CEMENT			•	Ш
	OTHER:	П	OTHER:				$\Box$
	13. Describe proposed or compl	eted operations. (Clearly state all p	ertinent details, and a	give pertinen	nt dates, includir	ng estimat	ed date
		k). SEE RULE I 1 03. For Multipl	e Completions: Attac	ch wellbore	diagram of prop	osed com	pletion
	or recompletion.						
T	he pit will be constructed and closed in a	accordance with Rule 50 and as per th	ne Nov. 1, 2004 Guidel	ines. See the	attached diagram	n that detail	sthe
lc	ocation of the pit in reference to the prop	xosed wellhead. The drill pit will be l	ined. The drill pit will I	oe closed afte	r the well has be	en comple	ted.
I I	hereby certify that the information abo ade tank has been/will be constructed or clo	ove is true and complete to the best sed according to NMOCD guidelines	of rny knowledge and ], a general permit $\square$ or	belief. I furt an (attached) a	her certify that a alternative OCD-a	nv pit or b	elow- n $\square$
	IGNATURE Vicki Westby	TITLE Stat			DATE <u>5/</u>	-	
T	ype or print name	E-mail add	lress:		Telephone No	э.	
Fo	or State Use Only		and the control of the party	വാനം വദാ	Ai 🖎	<b>A</b> ****	
A	PPROVED BY:	TITLE	uty on a gas inspi	FIRST AND .	DATE O	CT 03	2005
	onditions of Approval (if any).						500





### PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

**SAN JUAN 32 FED 15 1** 

Lease:				AFE #: WAN.CBM.5107				Α	NFE \$:			
Field Name: CBI	M DRILL BLO	CKS	Rig:				State:	NM	County: SAN JUAN	Δ	NPI #:	
Geoscientist: Cl	oud, Tom A		Phone	: +1 832 486	5-2377	Prod	. Engineer:	Limb	o, H G	Phor	ie: 1-83	32-486-2427
Res. Engineer: F	Peterson, Brad	Τt	Phone	: 486-2055		Proj.	Field Lead:			Phon	ie:	
Primary Object	tive (Zones)	ı:			out of							
Zone	Zone Nan	 1е							-			
JCV	BASIN FRU	JITLAND COAL	(GAS)									
		•			<del></del>							
Location: Surfa	ce								Here I was a second		Straig	ht Hole
Latitude: 36.99	Long	itude: -107.76	,	X:		Y:			Section: 15		Range:	9W
Footage X: 697 I	FEL Foota	age Y: 270 FNI	L	Elevation: 69	51	(FT)	Township:	32N				
Tolerance:						•						
Location: Botto	m Hole								The state of the s		Straig	ht Hole
Latitude:	Long	itude:		X:		Y:			Section: 15		Range:	9W
Footage X: 1000	FEL Foota	nge Y: 660 FNI	_	Elevation:	•	(FT)	Township:	32N				
Tolerance:		**										
Location Type:			Start D	ate (Est.):		Co	mpletion Dat	te:	Date In	Opera	tion:	
Formation Data:	Assume KB	= 6964 l	Jnits =	FT					-			
Formation Call &	-	Depth	SS	Depletion	ВНР	ВНТ			Remarks			
Casing Points		(TVD in Ft)	(Ft)	(Yes/No)	(PSIG)	Dili	<u> </u>		Remarks	, —		
SAN JOSE		13	6951				10 i // hal	o r	7/01/ 22 2 mmf 11/40 .c	TC		
SURFACE CSG		213	6751				to surface.	e. 9:	5/8" 32.3 ppf, H-40, S	, rc cas	ling. Cir	culate cement
NCMT		1014	5950									
OJAM		2354	4610				Possible w	ater fl	ows.			
KRLD		2454	4510									
FRLD		3399	3565				Possible ga			_		
Intermediate Casir	ng	3429	3535	Ш			8 3/4" Hole surface.	e. 7",	20 ppf, J-55, STC Ca	sing. (	Circulate	cement to
TOP COAL		3454	3510		-							
BASE MAIN COAL		3614	3350		1000							
PC TONGUE		3664	3300									
BASE LOWEST CO	<b>AL</b>	3729	3235									
PCCF		3734	3230									
Total Depth		3809	3155				6-1/4" hole	poss 5 LTC	ibly underreamed to 9 - left uncemented.	}.5". C	)ptional	Liner: 5.5",
Reference Well:	<b>5.</b>				en en en en				and the same of th			
Reference Type				Comments								
	EPNG SJ 32											
Intermediate	Pacific NW S	SJ #54-14										



## PROJECT PROPOSAL - New Drill / Sidetrack

**SAN JUAN 32 FED 15 1** 

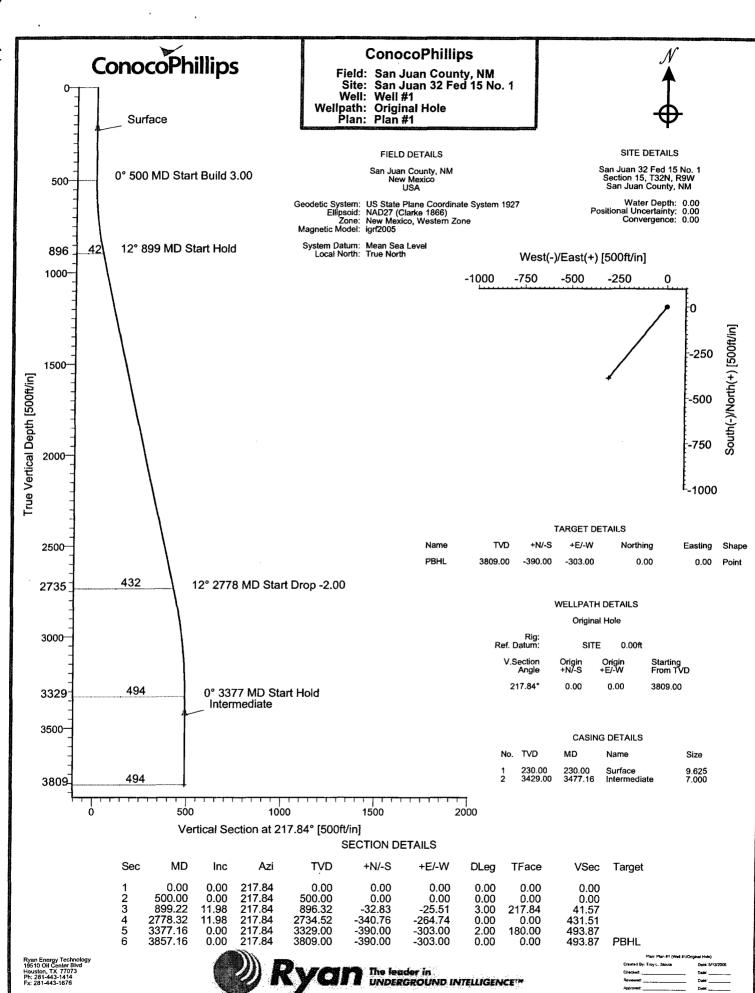
Logging Progra	m:			196	电极性 医神经炎	4					
Intermediate Logs	Intermediate Logs:  Log only if show  GR/ILD Triple Combo										
TD Logs:	☐ Triple Co	mbo 🔲 Dipmeter 🛭	RFT 🔲 Sonic	☐ VSP☐ TDT							
		TD :		NDO :::							
		TD includes 80 feet su									
Additional Informa		the BLM's Conditions									
		sump/rathole in this no formation	on-producing Pict	tured Cliffs							
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks						
Comments: Zones	- Fruitland dire	ctional well.									
Mud L	og from interm	ediate casing shoe to T	D will be obtained								
Duilline	a Mind Droaman	-									
	g Mud Program:										
	urface: spud m	uu esh water mud with bei	ntonito and nolum	or ac pooded							
				oolymer, & corrosion inhib	itor as needed						
De	now intermedia	ice. an/misc arming me	and with fourtier, p	bolymer, & corrosion initio	noi as needed						
Centra	lizer Program:										
		zers placed 10' above t	he shoe latched o	ver a stop collar and at the	e top of the 2nd, 3rd, & 4th join	nts					
					at the top of the 2nd, 4th, 6th,						

ts

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 -

Drinted on: 5/13/2005 10:30:45 AM



### San Juan 32 Fed 15 # 1 Halliburton Cementing Program

#### **SURFACE CASING:**

Drill Bit Diameter	12.25	]"	
Casing Outside Diameter	9.625	<b>]</b> "	Casing Inside Diam. 9.001
Casing Weight	32.3	ppf	<del></del> -
Casing Grade	H-40	l	
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:**

Drill Bit Diameter	8.75 *
Casing Outside Diameter	7 " Casing Inside Diam. 6.456"
Casing Weight	20 ppf
Casing Grade	J-55
Shoe Depth	3477
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	407 sx
Tail Cement Required	100 sx
4.	

LINER TOP

3457 '

SHOE

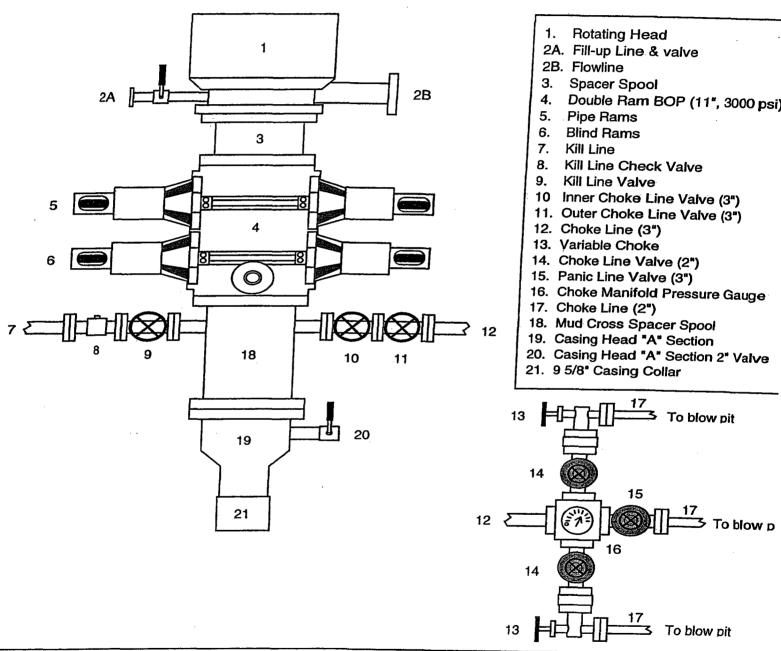
3477', 7", 20 ppf,

J-55

LINER BOTTOM 3857 (Uncemented)

# BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

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



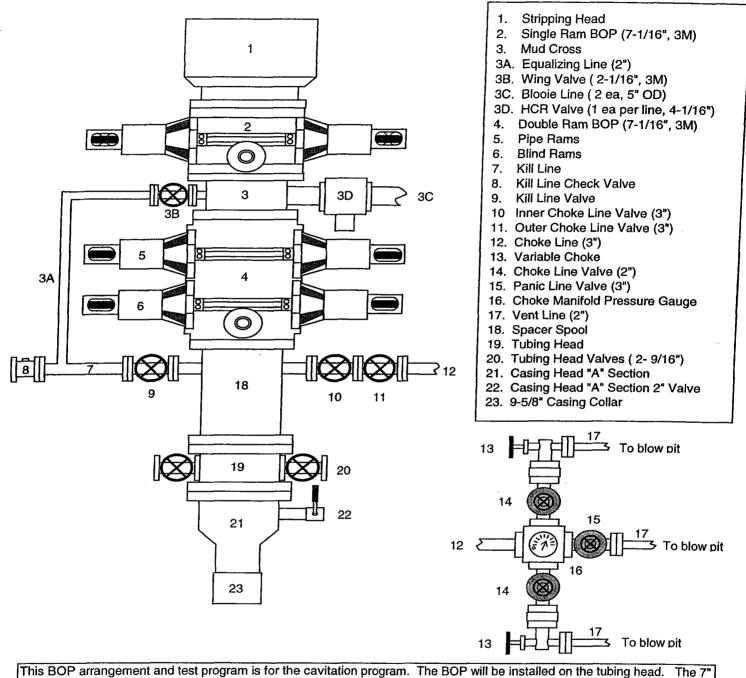
A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe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



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 F	ed 15	<del></del>	Well #	•	1	
Surface Loca	ation:							
Unit: A	_Secti	on: 15 Tov	vnship:_	32N	_Range:	9W		
County: Sar	Juan			State:	New M	exico		
Footaga	270	from the	North	lina	697	from the	Fact	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.