Fonn 3160 -3 (February 2005) UNITED STATES	s 7	200 6 AP	R 4	AM 1	OMB N	APPROVE b. 1004-013 March 31, 2	37
DEPARTMENT OF THE I BUREAU OF LAND MAN	NTERIOR			EIVED	5. Lease Serial No. SF-0	78960	
APPLICATION FOR PERMIT TO I	DRILL OR	REENT			I 63 If Indian, Allotee	or Tribe	Name
Ia. Type of work: DRILL REENTI	NMNM-078	7. If Unit or CA Agreement, Name and No. NMN W - O 784 lo H in V					
lb. Type of Well: Oil Well Gas Well Other	Si	ngle Zone	Multi	ple Zone	8. Lease Name and V SAN JUAN 2		IT #71C
2. Name of Operator ConocoPhillips Company 9. API Well No. 30-039-27867							
3a. Address 4001 Penbrook, Odessa, TX 79762	3b. Phone No. 432-3	68-1230	,				
4. Location of Well (Report location clearly and in accordance with any S At surface NWSW 2070 FSL - 220 FWL At proposed prod. zone NESE 1900 FSL - 10 FEL		nts, *)			BLANCO I I 1. Sec., T. R. M. or B SURF: SECTION 1 BH: SECTION 17, T	lk. and Su 6, T29N	rvey or Area, R6W L
14. Distance in miles and direction from nearest town or post office*					12. County or Parish		13. State
				Т	RIO ARRIB		NM
15, Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of ac	cres in lease 0 ACRES			ng Unit dedicated to this well 320.0 ACRES - E/2 SECTION 17		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 20. BLM/E			BIA Bond No. on file			
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6431' GL	22 Approximate date work will start*			23. Estimated duration			
	24. Attac	hments					
The following, completed in accordance with the requirements of Onshor	e Oil and Gas (Order No. 1,	, must be at	tached to the	s form:	_	
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service office). 	Lands, the	Item 2 5. Operar	20 above). tor certific other site sp	ation	s unless covered by an e		·
25. Signature	Name	(Printed/Typ				Date	
Title Senior Associate	Pegg	y Jame	s	<u> </u>		04/	03/2006
Approved by (Signature)	Name	(Printed/Ty	ped)			Date (:	2/5/00
Title Alm AM Mussls Office							
Application approval does not warrant or certify that the applicant hold conduct operations thereon. Conditions of approval, if any, are attached.	is legal orequita	able title to	those right	s in the subj	ect lease which would en	title the a	pplicant to
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a States any false, fictitious or fraudulent statements or representations as to	crime for any p o any matter w	person know ithin its juri	vingly and s	willfully to	nake to any department o	or agency	of the United
*(Instructions on page 2)		(PA			
ConocoPhillips Company proposes to drill a direction and equipped in accordance with the attachments sub						ell will	be drilled

HOLD C104 FOR Directional Survey

NMOCD

District I PO Box 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 State of New Mexico Energy. Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

Form C-102
Revised February 21, 1994
Instructions on back
t to Appropriate Distance Office

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

PO Box 2088 Santa Fe, NM 87504-2088

AM 10 13 AMENDED REPORTOR

RECEIVED

ou coas. Div.

WELL LOCATION AND ACREAGE DEDICATION PLAT

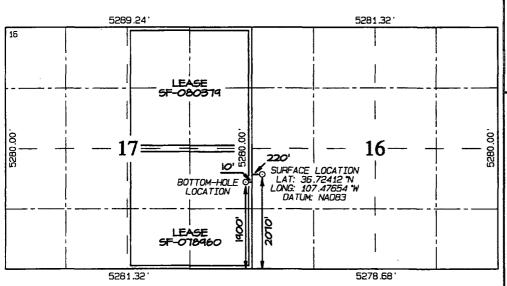
DIST. 3

1	API Number 'Pool Code '72319 '72319		Pool Name BLANCO MESAVERDE		
¹ Property Code 31326			operty Name AN 29—6 UNIT	*Well Number 71C	
'OGRID No 217817			erator Name ILLIPS COMPANY	*Elevation 6431'	

¹⁰ Surface Location

UL or lot no.	Section 16	Township 29N	Range 6W	Lot Idn	Feet from the 2070	North/South line SOUTH	Feet from the 220	East/West line WEST	County RIO ARRIBA
¹¹ 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 RIO
I	17	29N	6W		1900	SOUTH	10	EAST	ARRIBA
¹² Dedicated Acres		320.0 E/2) Sed	Acres ction 1	7	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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained Merein is true and complete to the best of my knowledge and belief

Signature

Virgil E. Chavez

Printed Name

Projects + Operations Lead

Title

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief

Survey Date: DECEMBER 28, 2005

Signature and Seal of Professional Surveyor

C. EDWARDS

ASON C. EDWARDS

Certificate Number

15269



Office Submit 3 Copies 10 Appropriate District	State of New Mexico	Fonn C- 1 03		
District I	Energy, Minerals and Natural Resources	May 27, 2004		
1625 N. French Dr., Hobbs, NM 88240		WELL API NO.		
District 11	OIL CONSERVATION DIVISION	30-039-29867		
1301 W. Grand Ave., Artesia, NM 882 1 0 District III		5. Indicate Type of Lease		
I 000 Rio Brazos Rd., Aztec, NM 8741 0	1220 South St. Francis Dr.	STATE FEE		
District IV	Santa Fe, NM 87505	6. State Oil & Gas Lease No.		
1220 S. St. Francis Dr., Santa I e, NM				
87505				
1	ICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name		
(DO NOT USE THIS FORM FOR PROPO	OSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A CATION FOR PERMIT" (FORM C-101) FOR SUCH			
PROPOSALS.)	CATION FOR PERIVITI (FORM C-101) FOR SUCH	SAN JUAN 29-6 UNIT		
1. Type of Well: Oil Well	Gas Well Other	8. Well Number 71C		
	Z Other	9. OGRID Number		
2. Name of Operator	coPhillips Company	217817		
	- Configuration - Configuratio - Configuration - Configuration - Configuration - Configuration	I 0. Pool name or Wildcat		
3. Address of Operator	Dombooods (0.4 TV 70762)	10. Fool name of windcat		
4001	Penbrook, Odessa, TX 79762	BLANCO MESAVERDE		
4. Well Location				
Unit Letter L	2070 feet from the SOUTH line and	220 feet from the WEST line		
		DIO ADDIDA		
Section 16	Township 29N Range 6W	County		
	I 1. Elevation (Show whether DR, RKB, RT, GR, etc.))		
The state of the s	6431' GL			
Pit or Below -grade Tank Application	71000			
Pit type DRILL Depth to Groundw	vater 85' Distance from nearest fresh water well 7,125'	Distance from nearest surface water 265'		
Liner Thickness: 12 mi	l Below-Grade Tank: Volume: 4400 bb1s; C	Construction Material: Synthetic		
1				
12. Check A	Appropriate Box to Indicate Nature of Notice,	Report or Other Data		
NOTICE OF I	ITENTION TO	OF OUT DEDORT OF		
·		SEQUENT REPORT OF:		
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WOR			
TEMPORARILY ABANDON	CHANGE PLANS			
PULL OR ALTER CASING	MULTIPLE COMPL CASING/CEMENT	ſ JOB ☐		
	_	_		
OTHER:	OTHER:			
Describe proposed or comp	leted operations. (Clearly state all pertinent details, and	give pertinent dates, including estimated date		
of starting any proposed w	ork). SEE RULE I 1 03. For Multiple Completions: Att	ach wellbore diagram of proposed completion		
or recompletion.				
The pit will be constructed	and closed in accordance with Rule 50 and as per COPC	June 2005 General Pit Plan on file		
	e attached diagram that details the location of the pit in re			
	The drill pit will be closed after the well has been complete			
The drin pit will be inled.	ne di in più win be closed after the wen has been compie	ACC		
•				
•				
I hereby certify that the information a	bove is true and complete to the best of rny knowledge ar	nd belief I further certify that any nit or below-		
grade tank has been/will be constructed or	closed according to NMOCD guidelines \Box , a general permit \Box	or an (attached) alternative OCD-approved plan		
8		or an (acceptable) accomments of approved plan		
	· · · · · · · · · · · · · · · · · · ·			
SIGNATURE Peggy James	TITLE Senior Associate	DATE 04/03/2006		
SIGNATURE Peggy James		DATE 04/03/2006		
, oggy bames	TITLE Senior Associate			
Type or print name				
, oggy bames	TITLE Senior Associate E-mail address peggy.s.james@conocoph	illips.com: Telephone No.: (432)368-1230		
Type or print name For State Use Only	E-mail address peggy.s.james@conocoph	illips.com: Telephone No.: (432)368-1230 SPECTOR, DIST. DEC 1 2 2006		
Type or print name	E-mail address peggy.s.james@conocoph	illips.com: Telephone No.: (432)368-1230		

CONOCOPHILLIPS COMPANY SAN JUAN 29-6 UNIT #71C 2070' FSL & 220' FWL, SECTION 16, T29N, R6W, NMPM RIO ARRIBA COUNTY, NEW MEXICO ELEVATION: 6431' LATITUDE: 36.72412° N ONGITUDE: 107.47654° V DATUM: NADI993 50' CONSTRUCTION ZONE F3 (5) 6 F8 BLOW RESERVE PIT 50' X 105' PIT DRAIN TO RESERVE 90 100,000 L20' 8 579°W LAYDOWN 4 (1) F5 130' 145 C2 F2 SECTION LINE / PROPERTY LINE MORKING SIDE *SURFACE OWNER* State of New Mexico 120 PLAT NOTE: 20 CB 3 2 C7 B' 50' CONSTRUCTION ZONE A-A' 6443' 6433' 6423' B-B' 6443' 64331 6423' C-C' 6443' 6433' 64231 FILENAME: 2961772 SHEET 2 OF 6 NCE SURVEYS, INC. DRAWN BY: EDO CHECKED BY: JCE



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-6 71C

Lease:				A	FE #:WA	N.CNV	.6107		AFE \$:
Field Name: 29-6			Rig: H	&P 281			State: NM	County: RIO ARRIBA	API #:
Geoscientist: Glas	ser, Terry J	<u> </u>	Phone	: (832)486-23	32	Prod.	Engineer: Mod	ody, Craig E. P	hone: 486-2334
Res. Engineer: He	nsley, Dan E		Phone	: 832-486-238	35	Proj.	Field Lead: Fra	nsen, Eric E. P	hone:
Rimery Open	70:(701139):::"								
Zone	Zone Name				7				
RON	BLANCO MES	AVERDE (PR	ORAT	ED GAS)					
		!		., 444					
		1							
lecetion suice	1	enin God	€ (NA	D 277					Deviated
Latitude: 36.72412	20 Longitud	le: -107.476	540	X:		Y:		Section: 16	Range: 6W
Footage X: 220 FV	VL Footage	Y: 2070 FSI	-	Elevation: 64	31	(FT)	Township: 29N		
Tolerance:									
Lowie Die Boisen	ufolë (I	Sion Doc	e Nz	VD:297					ট্রেগর্চার্ট্র
Latitude: 36.72355	59 Longitud	le: -107.476	700	X:		Y:		Section: 17	Range: 6W
Footage X: 10 FEL	. Footage	Y: 1900 FSI	-	Elevation:		(FT)	Township: 29N		
Tolerance:						•	-		
Location Type: Yea	ar Round		Start D	Date (Est.):		Co	mpletion Date:	Date In O	peration:
Formation Data:	Assume KB =	6447 U	nits =	FT					
Formation Call & Casing Points	(Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	внт		Remarks	
Surface Casing		216	6231				131/2 hole. 9 to surface.	5/8" 32.3 ppf, H-40, STC	casing. Circulate cement
NCMT		1147	5300	П			w surface.		
CJAM		24 <mark>4</mark> 7	4000	=			Possible water	flows.	
KRLD		2607	3840						
FRLD		2997	3450				Possible gas.		
PCCF		3322	3125						
LEWS		3522	2925						
Intermediate Casing	9	3622	2825				8 3/4" Hole. 7 Circulate ceme	", 23 ppf, J-55, LTC Casir ent to surface.	ng. Special drift to 6.25".
CHRA		4297	2150				on condicate conne	ine to surrace:	
CLFH		5077	1370				Gas; possibly v	wet	
MENF		5157	1290	, \square			Gas.		
PTLK		5477	970				Gas.		
MNCS		5727	720						
TOTAL DEPTH MV		5827	620				a minimum of	1-1/2", 10.5 ppf, J-55, ST 100' inside the previous on the TDT with GR to surface	C casing. Circulate cement casing string. No open hole e.
Reference Wells									

Comments

Printed on: 4/3/2006 11:08:39 AM

Reference Type | Well Name



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-6 71C

		· · · · · · · · · · · · · · · · · · ·		L.		
Intermediate Lo	ogs: Log only	if show GR/ILD	Triple Com	DO		
TD Logs:	Triple Co	ombo Dipmeter	RFT So	onic VSP TDT	and the state of t	
Additional Infor	mation:		<u>,, , </u>			
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks	

Comments: Zones - Drill and equip the SAN JUAN 29-6 71C well as an 80-acre Mesaverde/Lewis infill well, to be located 10 FEL & 1900 FSL of Section 17-T29N-R6W, Rio Arriba County, NM. Once established and adequately tested, production will be from Mesaverde/Lewis only.

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 ints

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 - Drill and equip the SAN JUAN 29-6 71C well as an 80-acre Mesaverde/Lewis infill well, to be located 10 FEL & 1900 FSL of Section 17-T29N-R6W, Rio Arriba County, NM. Once established and adequately tested, production will be from Mesaverde/Lewis only.

This will be a directional well

Printed on: 4/3/2006 11:08:39 AM

San Juan 29-6 #71C TVD - MD Formation Tops

Formation	TVD	MD
San Jose	13	13
Surface Casing	213	213
NCMT	1147	1153.59
OJAM	2447	2468.60
KRLD	2607	2628.66
FRLD	2997	3018.66
PCCF	3322	3600.00
Lewis	3522	3520.00
Intermediate Casing	3622	3644.00
Chacra	4297	4318.66
Cliffhouse	5077	5098.66
Menefee	5157	5178.66
Point Lookout	5477	5498.66
Mancos	5727	5748.66
TD	5827	5849.00

ConocoPhillips

0-

450

760

1000

2000-

3000-

4000

6000

True Vertical Depth [1000ft/in]

ConocoPhillips

Field: Rio Arriba County, NM Site: San Juan 29-6 #71C Well: Well #71C

Wellpath: Original Hole Plan: Plan #1



FIELD DETAILS

Rio Arriba County, NM USA

Geodetic System: US State Plane Coordinate System 1927 Ellipsoid: NAD27 (Clarke 1866) Zone: New Mexico, Western Zone Magnetic Model: igrf2005

-400

System Datum: Mean Sea Level Local North: Grid North



San Juan 29-6 #71C Sec. 16, T29N, R6W Rio Arriba County

Water Depth: 0.00 Positional Uncertainty: 0.00 Convergence: 0.00

100

200 200

100

0

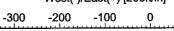
-200

-300

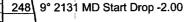
-400

South(-)/North(+) [200ft/in]

West(-)/East(+) [200ft/in]









Surface

0° 450 MD Start Build 3.00

9° 762 MD Start Hold

Intermediate

5000

286 0° 5849 MD TD 5827

> 1000 Vertical Section at 233.53° [1000ft/in]

2000

	WELLPAT	H DE1	TAILS		
Original Hole					
Rig: Ref. Datum:	sr	ΓE	0.00ft		
V.Section Angle	Origin +N/-S	Orig	gin W	Starting From TVD	

0.00

233.53°

CASING DETAILS

0.00

5827.00

No.	TVD	MD	Name	Size
1	230.00	230.00	Surface	9.625
2	3622.00	3643.66	Intermediate	0.000

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shap
PBHL	5827.00	-170.00	-230.00	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1 2	0.00 450.00	0.00 0.00	233.53 233.53	0.00 450.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	
3 4	761.78 2131.00	9.35 9.35	233.53 233.53	760.39 2111.41	-15.09 -147.36	-20.42 -199.37	3.00 0.00	233.53	25.39 247.92	
5 6	2598.66 5848.66	0.00 0.00	233.53 233.53	2577.00 5827.00	-170.00 -170.00	-230.00 -230.00	2.00 0.00	180.00 0.00	286.01 286.01	PBHL



	Option 3 399 sx Comp. Strength 186.8 bbls 148.7 cuft 2.63 ft ³ /sx 11.7 ppg 15.92 gal/sx Class G Cement + 3% D079 Extender + 0.20% D046 Antifoam + 1.0 lb/bbl CemNet	221 sx Comp. Strength 504 bbls 24 hrs 1850 psi 283.0 cuff 48 hrs 3411 psi 1.28 ff ³ /sx 13.5 ppg 5.255 gal/sx 50.50 Por: Class G Cement + 2% D020 Bentonile Extender + 2% S001 Calclum Chloride + 0.1% D046 Antifoamer + 0.1% D046 CemNet + 1.0 lb/bbl CemNet
Comp. Strength 6 hrs 250 psi 8 hrs 500 psi	Comp. Strength 1:47 hrs 50 psi 12 hrs 350 psi 24 hrs 450 psi	Comp. Strength 55 psi 75 psi 7
Option 2 214 sx 46.2 bbls 259.5 cuft 1.21 tt ³ /sx 15.6 ppg 5.29 gal/sx Standard Cement + 3% Catclum Chloride + 0.25 lb/sx Flocele	Option 2 403 sx 186.8 bbls 1048.7 cuft 2.60 ft/sx 11.5 ppg 14.62 gal/sx Type III Ashgrove Cement + 30 lb/sx San Juan Poz + 3% Bentonite + 5.0 lb/sx Phenoseal	213 sx Com 513 bis 2:05 50.4 bbis 2:05 283.0 cuff 4:06 1.33 ft³sx 12 hrs 13.5 ppg 24hrs 5.52 gal/sx 50/50 Poz: Standard Cement + 2% Bentonite + 6.0 lb/sx Phenoseal 1.45 ft³sx 13.29 1.31 ppg 24 hrs 6.55 gal/sx 50/50 Cuff 12 hrs 1.45 ft³sx 13.29 1.31 ppg 24 hrs 6.55 gal/sx 50/50 Poz: Standard Cement + 3% Bentonite + 0.2% CFR-3 Friction Reducer + 0.2% CFR-3 Friction Reducer + 0.1% HR-5 Retarder + 0.1% HR-5 Retarder + 0.1% HR-5 Retarder
Comp. Strength 6 hrs 250 psi 8 hrs 500 psi psi psi psi psi ppinde	Comp. Strength 9 hrs 300 psi 48 hrs 525 psi	Comp. Strength 3:53 500 psi 8:22 1000 psi 24 hrs 3170 psi 48 hrs 5399 psi ment pphene Flakes litric Extender er Comp. Strength 7 hrs 500 psi 24 hrs 2100 psi 24 hrs 2100 psi strength The Extender er and the Extender ss s and
SURFACE: Option 1 222 sx Comp. S 46.2 bbls 6 hrs 250 259.5 cuff 8 hrs 500 1.17 ft/sx 1.17 ft/sx Class G Cement + 3% S001 Calcium Chloride + 0.25 lb/sx D029 Cellophane Flakes	INTERMEDIATE LEAD: Option 1 386 sx 186.8 bbls 1048.7 cuft 2.72 ft ³ /sx 11.7 ppg 15.74 galfsx Class G Cement + 3% D079 Extender + 0.20% D046 Antifoam + 10 lb/sx Phenoseal	Option 1
13.5 ° 9.625 ° 9.001 ° 32.3 ppf H.40	8.75 " 7 " 6.25 " 23 ppf 1-55 150 %	6.25 * 4.052 * 10.5 ppf 1-55 ppf 50 %
HOLE: CSG OD: CSG ID: WGT: GRADE: EXÇESS:	HOLE: CSG OD: CSG ID: WGT: GRADE: EXCESS: TAIL:	HOLE: CSG OD: CSG ID: WGT: GRADE: EXCESS:

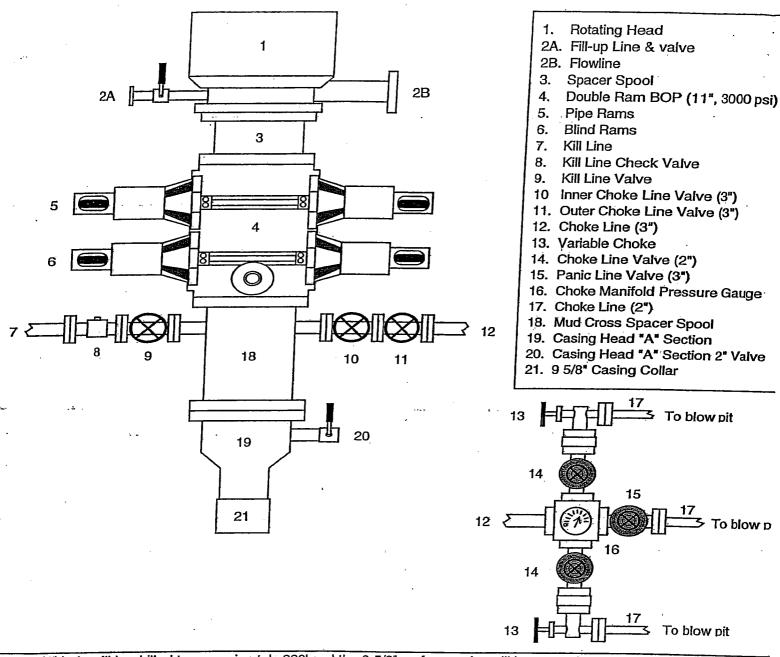
SURFACE:

13.5 " 9.625 " 9.001 " 32.3 ppf H-40 125 %

DEPTH:

Option 5 499 sx Comp. Strength 186.8 bbls 10:56 500 psi 1048.7 cuft 42 hrs 10:12 psi	2.10 ff/sx 11.7 pog 11.724 gallsx 75% Type X/125% Class G Cement + 0.25 lb/sx D029 Cellophane Flakes + 3% D079 Extender + 0.20% D046 Antifoam		
Comp. Strength 1:47 50 psi 12 hrs 350 psi	24 hrs 450		
INTERMEDIATE LEAD: Option 4 364 sx 186.8 bbls 1048.7 cuft	2.88 ft*/sx 11.5 ppg 16.85 galfsx Standard Cement + 3% Econolite (Extender) + 10 lb/sx Phenoseal	<u>INTERMEDIATE TAIL:</u>	PRODUCTION:
;	8.75 * 7 * 6.25 * 23 ppf 1-56 * 150 % 728.8 * 6.44*		6.25 " 4.5 " 4.052 " 10.5 ppf J-55 50 %
	HOLE: CSG OD: CSG ID: WGT: GRADE: EXCESS: TAIL: DEPTH:	•	HOLE: CSG OD: CSG ID: WGT: GRADE: EXCESS:
			/

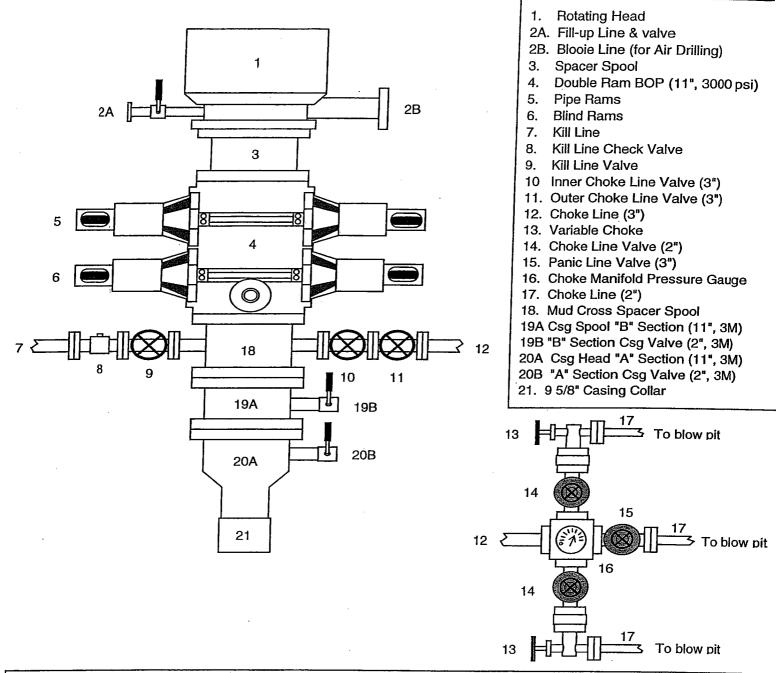
BLOWOUT PREVENTER ARRANGEMENT & PROGRAM For Drilling to Intermediate Casing Point & Setting 7" Intermediate Casing



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:	y: SAN JUAN 29-6				Well #	:	71C		
Surface Loca	ation:								
Unit: L	_Section	on: 16 To	wnship:	29N	_Range:	6W			
County: RIO ARRIBA					State: New Mexico				
Footage	2070	from the	SOUTH	line	220	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.