Fonn 3160 -3 (February 2005)

2005 JAN 17 PM 3 18

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

UNITED STATES DEPARTMENT OF THE INTERIOR OF ARMINGTON IN

5. Lease Serial No.

BUREAU OF LAND MAN	NM-05220						
APPLICATION FOR PERMIT TO				6. If Indian, Allotee or Tr	ibe Name		
Ia. Type of work: DRILL REENT	ER	· · ·		7. If Unit or CA Agreement, Name and No. MV-NMNM-0784164 DK-NMNM-0784163			
lb. Type of Well: Oil Well Gas Well Other	Si	ngle Zone Multi	ole Zone	8. Lease Name and Well No. SAN JUAN 29-6 UNIT #35F			
2. Name of Operator ConocoPhillips Company		(include area code)		9. API Well No.	9752		
3a. Address 4001 Penbrook, Odessa, TX 79762		10. Field and Pool, or Explo BLANCO MESAVE DAKOT	RDE / BASIN				
4. Location of Well (Report location clearly and in accordance with any S At surface NWSW 2485' FSL - 25' F At proposed prod. zone	-	nts, *)		I 1. Sec., T. R. M. or Blk. an SECTION 15, T29N, R6	d Survey or Area		
14. Distance in miles and direction from nearest town or post office*				12. County or Parish RIO ARRIBA	13. State NM		
 15, Distance from proposed* location to nearest propery or lease line, ft. (Also to nearest drig. unit line, if any) 	16. No. of a	ores in lease 0 ACRES	17. Spacing	g Unit dedicated to this well MV - W/2 - 320.0 ACRES DK - S/2 - 320.0 ACRES			
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed	1 Depth 7902'		0. BLM/BIA Bond No. on file ES0085			
11. Elevations (Show whether DF, KDB, RT, GL, etc.) 6486' GL	22 Approxim	nate date work will star	t*	23. Estimated duration			
	24. Attac	hments					
The following, completed in accordance with the requirements of Onshord. 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 SUPO must be filed with the appropriate Forest Service office).		4. Bond to cover th Item 20 above). 5. Operator certific	e operations ation	s form: unless covered by an existing mation and/or plans as may be			
25 Signature ifile Sr. Associate	Name	(Printed/Typed) Pegg	y James	Date	01/16/2006		
Approved by (Signature) Manle 67		(Printed/Typed)		Date 5	122/0		
itle AFM	Office	EFO	: at				
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 subje	ect lease which would entitle f	ne applicant 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 within its juris iction	willfully to n	nake to any department	ney of the United		

*(Instructions on page 2)

ConocoPhillips Company proposes to drill a vertical wellbore to the Blanco Mesaverde / Basin Dakota formatols. Done Di will be drilled and equipped in accordance with the attachments submitted herewith. This application is for APD / PAST. 3

This well will be downhole commingled pursuant to the terms and conditions outlined in Order K-11363.

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

This action is subject to fechnical and procedural review porsuant to 13 CFR 3165.3 and appeal pursuant to 43 CFR 3155.4

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

District II

30

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Instructions on back Submit to Appropriate District Office

OIL CONSERVATION DIVISION PO Box 2088 State Lease - 4 Copies Fee Lease - 3 Copies

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

PO Drawer DD, Artesia, NM 88211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410

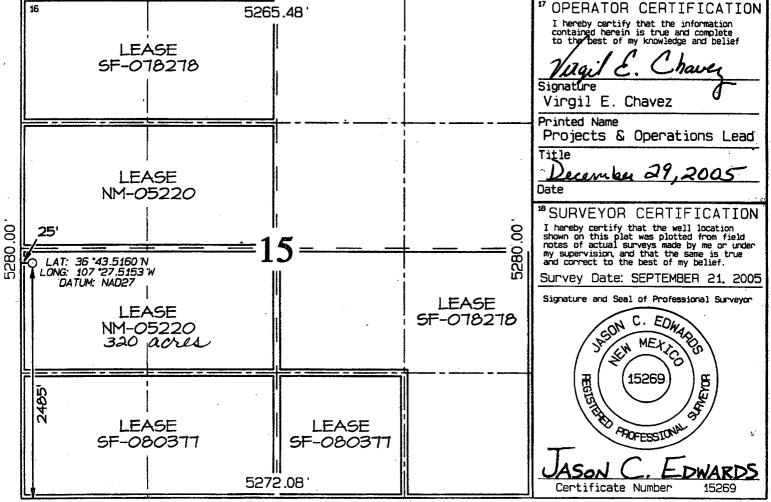
Santa Fe, NM 87504-2088 FM 3 18

AMENDED REPORT

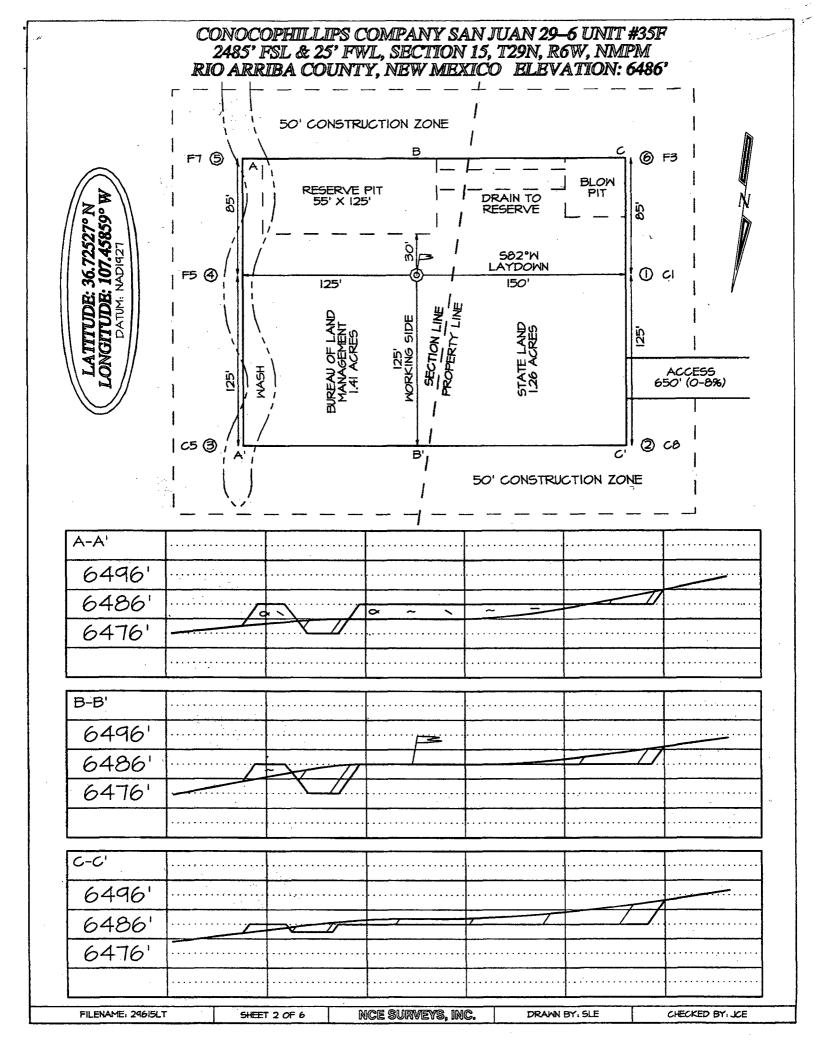
RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

			WELL	LOCAT	ION AND A	CREAGE DED	ICATION PL	AT.			
30-0:	I Number	9752		Code \ 71599	9	BLANCO MES	Pool Name AVERDE \ B	ASIN D	AKOTA		
Property 3132	Code				*Property SAN JUAN 2				Well Number 35F		
'0GRID 2178:				CC	*Operator NOCOPHILL]	Name IPS COMPANY	······································		Elevation 6486		
					¹⁰ Surface	Location			·	· · · · · · · · · · · · · · · · · · ·	
UL or lot no.	Section	Township	Range	. Lot Ian	Feet from the	North/South line	Feet from the	East/West	line	County	
L	15	29N	6W		2485	SOUTH	25	WES	T	RIO ARRIBA	
		11 E	Bottom	Hole L	ocation I	f Different	From Surf	ace			
UL or lot no.	Section	Township	Range	Let Idn	Feet from the	North/South line	. Feet from the	East/West	line	County	
¹⁰ Dedicated Acres	320.0 320.0	Acres Acres	- W/2	(MV) (DK)	¹³ Joint or Infill	³⁴ Consolidation Code	¹⁵ Order No.			<u> </u>	
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										
16		15E 18278	52	265.48		3	1	certify the dest of my k	at the in true and knowledge	FICATION Information Informat	



Submit 3 Copies To Appropriate District Office District I	State of New Mex Energy, Minerals and Natur		Fonn C- 1 03 May 27, 2004			
1625 N. French Dr., Hobbs, NM 88240 District 11	.		WELL API	NO. 0-139-1	39757	
1301 W. Grand Ave., Artesia, NM 882 1 0 District III	OIL CONSERVATION 1 1220 South St. France			Type of Lease		
I 000 Rio Brazos Rd., Aztec, NM 8741 0 District IV	Santa Fe, NM 875		STA	TE & Gas Lease	FEE	
1220 S. St. Francis Dr., Santa I e, NM 87505	,			<u>-</u>		
	TICES AND REPORTS ON WELLS DISALS TO DRILL OR TO DEEPEN OR PLUC	G BACK TO A	7. Lease Na	ame or Unit A	greement Name	
DIFFERENT RESERVOIR. USE "APPLI PROPOSALS.)	CATION FOR PERMIT" (FORM C-101) FOR	SUCH		SAN JUAN 29-	-6 UNIT	
1. Type of Well: Oil Well	Gas Well 🔀 Other		8. Well Nu		35F	
2. Name of Operator Conc	ocoPhillips Company		9. OGRID	Number	217817	
3. Address of Operator	D. 1. 0.1. TW. 505/0		I 0. Pool na	ame or Wildca	t	
	Penbrook, Odessa, TX 79762		BLANCO	MESAVERDE	E/BASIN DAKOTA	
4. Well Location Unit Letter L	2485 feet from the SOUTH	[line and	25 fe	eet from the	WEST line	
Section 15	Township 29N Ran		NMPM	RIO ARRIB		
	I 1. Elevation (Show whether DR,	RKB, RT, GR, etc.)	1,1,1,1		County	
Pit or Below -grade Tank Application		GL			2	
Pit type DRILL Depth to Groundy		· ·	Distance	from nearest surfa	ice water	
Liner Thickness: 12 mil			struction Mate	erial SYNTHE	TIC	
12. Check	Appropriate Box to Indicate Nat	ture of Notice, l	Report or C	Other Data		
_	NTENTION TO:		-	REPORT		
PERFORM REMEDIAL WORK		REMEDIAL WORK			ING CASING 🔲	
TEMPORARILY ABANDON DULL OR ALTER CASING	<u>=</u> 1	COMMENCE DRIL CASING/CEMENT		. P AND	A 📙	
				_	_	
OTHER: 13 Describe proposed or comm	pleted operations. (Clearly state all per	OTHER:	give nertiner	nt dates includ	ling estimated date	
of starting any proposed w or recompletion.	ork). SEE RULE I 1 03. For Multiple	Completions: Atta	sch wellbore	diagram of pro	oposed completion	
The pit will be constructed	and closed in accordance with Rule 50	and as per COPC	June 2005 G	eneral Pit Plar	n on file	
with the NMOCD See the	e attached diagram that details the loca	tion of the pit in re	ference to the			
The drill pit will be lined.	The drill pit will be closed after the we	ll has been comple	ted			
Thomaky contifued that the information	h	C 1	11 11 0 7 0			
grade tank has been/will be constructed or	above is true and complete to the best of closed according to NMOCD guidelines,	a general permit \square	or an (attached)	alternative OCD	t any pit or below- D-approved plan	
SIGNATURE Peggy James	TITLE Sr. A	ssociate		DATE	01/16/2006	
Type or print name For State Use Only	E-mail address pegg	y.s.james@conocophi	llips.com:	Telephone No	o.: (432)368-1230	
	DEPU	TY OIL & GAS INS	PC/YAB		MAY 2 2 2006	
APPROVED BY: Conditions of Approval (if any):	TITLE_	a ous 1142	CCIUM, DIST	DATE_		
Conditions of Approval (If any):						





PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-6 35F

		*							
Lease:				A	FE #:WA	N.CNV.	5109		AFE \$:
Field Name: 29-6			Rig: ł	H&P 281			State: NM	County: RIO ARRIBA	API #:
Geoscientist: Glas	ser, Terry	/ J	Phone	e: (281) 293 -	6538	Prod. I	Engineer: Mo	ody, Craig E.	Phone: 486-2334
Res. Engineer: He	nsley, Da	an E	Phone	: 832-486-238	35	Proj. F	ield Lead: Fra	nsen, Eric E.	Phone:
Primary Objectiv	ve (Zon	e s) ;							
Zone	Zone N	ame							
FRR	BASIN D	DAKOTA (PRORAT	ΓED GA	AS)					
RON	BLANC	O MESAVERDE (P	RORA	TED GAS)					
				·	_				
	V		naWarzis Zariez		ENGLAND PROGRAM	3 V 24 P 20 3 V 3 - 5 2			
Location: Surface	THE REAL PROPERTY OF THE PARTY								StraightsHole
Latitude: 36.73	Lo	ongitude: -107.46	5	X:		Y:		Section: 15	Range: 6W
Footage X: 25 FW	L Fo	ootage Y: 2485 F	SL	Elevation: 64	86	(FT)	Township: 29N		
Tolerance:									
Location Type: Yes	ar Round	<u> </u>	Start I	Date (Est.):		Com	pletion Date:	Date Ir	n Operation:
Formation Data:	Assume	KB = 6502	Units =	: FT					
Formation Call & Casing Points		Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	внт		Remark	S
Surface Casing		216	6286	; <u> </u>				9 5/8" 32.3 ppf, H-40,	STC casing. Circulate cement
NCMT		1202	5300	·			to surface.		
CJAM		2462	4040	=					
KRLD		2662	3840	=					
FRLD		3102	3400						
PCCF		3382	3120						
LEWS		3582	2920						
Intermediate Casing	9	3682	2820				8 3/4" Hole. 7 surface.	7", 20 ppf, J-55, STC C	asing. Circulate cement to
CHRA		4392	2110		•				
CLFH		5172	1330		1300				
MENF		5272	1230						
PTLK		5567	935						
MNCS		5817	685	=					
CLLP		6902	-400	_					
CRHN		7552	-1050) <u> </u>					
TWLS		7662	-1160	=					
CBBO		7737	-1235	_					
TOTAL DEPTH DK		7902	-1400				a minimum of	1-1/2", 11.6 ppf, N-80, 100' inside the previou de TDT with GR to surf	LTC casing. Circulate cement is casing string. No open hole face.
Reference Wells Reference Type	The second secon								
vereteline (Abe	vven Nai	ne		Comments					

Printed on: 1/14/2006 1:43:49 PM



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-6 35F

Logging Progran				6						
Intermediate Logs:	Log only it sn	ow GR/IL	D Triple	Combo		<u>-</u> .				
TD Logs:	☐ Triple Combo	☐ Dipmete	r 🗌 RFT 🗀] Sonic [VSP	✓ TDT				1.1.,111
Additional Informa	tion:	.,,,,,								
Log Type	Stage	From (Ft)	To (Ft)		Tool 7	Гуре/Nam	е	Remark	(S	
Drilling Su In	- Drill and equip the n 15-T29N-R6W, Ri n Mud Program: urface: spud mud termediate: fresh low Intermediate:	io Arriba Coun water mud wit	ty, NM. Once on the one of the on	established d polymer	and ad as nee	dequately	tested, pro	oduction will	be downhole o	& 2600 FSL of commingled.
Su In joints Ti	lizer Program: rface: centralizers termediate: centra urbolizers placed on low Intermediate:	nlizers placed 1 ne per joint fro	10' above the shom the top of the	hoe latched ne Ojo Alar	d over mo to t	a stop coll the top of t	ar and at t the Kirtlan	the top of the d Shale	e 2nd, 4th, 6th	nts , 8th, & 10th
FWL &	General/Work Description - Drill and equip the SAN JUAN 29-6 35F well as an 80-acre Mesaverde/Dakota infill well, to be located 10 FWL & 2600 FSL of Section 15-T29N-R6W, Rio Arriba County, NM. Once established and adequately tested, production will be downhole commingled.									
Lease:			_ A	FE #: WAN	.CNV.6	5109			AFE	\$:
Field Name: 29-6		Rig:				State:	NM Cou	nty: RIO ARR	IBA API	#:
Geoscientist: Glas	er, Terry J	Phone	: (281) 293 -	6538	Prod. E	Engineer:	Moody, C	Craig E.	Phone:	486-2334
Res. Engineer: He	nsley, Dan E	Phone	: 832-486-238	35	Proj. F	ield Lead:	Fransen,	Eric E.	Phone:	
PrimaryObjectiv	/e:(vZones)#									
Zone	Zone Name									
FRR	BASIN DAKOTA (F	PRORATED GA	(S)	7						
RON	BLANCO MESAVE	RDE (PRORA	TED GAS)							
Locations Symbol									េះក្	តៅត្រីដៅថ្ងៃ :
Latitude: 36.73	Longitude:	-107.46	X:		Y:		Sec	ction: 15	Ra	inge: 6W
Footage X: 25 FW	L Footage Y:	2485 FSL	Elevation: 64	86 (1	FT)	Township:	29N			
Tolerance:										
Location Type: Yes	ar Round	Start	Date (Est.):		Com	pletion Da	ite:	Da	ate In Operatio	on:
Formation Data:	Assume KB = 650	2 Units =	- FT	_						
Formation Call & Casing Points		epth SS O in Ft) (Ft)	Depletion (Yes/No)	BHP (PSIG)	внт			Rer	marks	
Surface Casing		216 6286	5 🔲			12-1/4 ho		' 32.3 ppf, H	-40, STC casin	g. Circulate cement
NCMT	1	202 5300				a samuce	••			
CJAM		462 4040								
KRLD	2	662 3840								
FRLD	3	102 3400) 🗆							

Printed on: 1/14/2006 1:43:49 PM



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

c	۸	N	 1	ı	۸	A	ŧ	29.	6	2	E	
•	~	N			4	и	•	<i>-</i> / 4.	n	- 5	~	_

PCCF	33	3120				
LEWS	3!	582 2920				
Intermediate Casin	g 30	582 2820			8 3/4" Hole. 7" surface.	, 20 ppf, J-55, STC Casing. Circulate cement to
CHRA	43	392 2110				
CLFH	5:	172 1330		1300		
MENF	52	272 1230				
PTLK	5!	567 935				
MNCS	58	817 685				
CLLP	69	902 -400				
CRHN	7:	552 -1050				
TWLS	70	662 -1160				
CBBO	77	737 -1235	\square			
TOTAL DEPTH DK	79	902 -1400			a minimum of 1	-1/2", 11.6 ppf, N-80, LTC casing. Circulate cement 1.00' inside the previous casing string. No open hole e TDT with GR to surface.
Reference Wells	e v					
	Well Name		Comments			
Rogging Rogga	Œ					
	: Log only if sho	ow 🔲 GR/ILD	Triple Cor	mbo		
TD Logs:	☐ Triple Combo	Dipmeter	RFT S	onic VSP	✓ TDT	
Additional Informa	tion:					
Log Type	Stage	From (Ft)	To (Ft)	Tool	Гуре/Name	Remarks
	D 111 1 1 11		C OFF	00 11	1 /= 1	CH

Comments: Zones - Drill and equip the SAN JUAN 29-6 35F well as an 80-acre Mesaverde/Dakota infill well, to be located 10 FWL & 2600 FSL of Section 15-T29N-R6W, Rio Arriba County, NM. Once established and adequately tested, production will be downhole commingled.

Drilling Mud Program: Surface: spud mud

Intermediate: fresh water mud with bentonite and polymer as needed

Below Intermediate: air/mist/nitrogen 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 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 35F well as an 80-acre Mesaverde/Dakota infill well, to be located 10 FWL & 2600 FSL of Section 15-T29N-R6W, Rio Arriba County, NM. Once established and adequately tested, production will be downhole commingled.

Printed on: 1/14/2006 1:43:49 PM

MESA VERDE Wells:

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 ioints

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

DAKOTA Wells:

Drilling Mud Program:

Surface: spud mud

Intermediate: fresh water mud with bentonite and polymer as needed

Below Intermediate: air/mist/nitrogen 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 Below Intermediate: no centralizers used in air holes. In mud holes centralizers are spaced out appropriately

San Juan 29-6 # 35F **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	235	•	
Cement Yield	1.21	cuft/sk	
Cement Density	15.6	lb/gal	
Excess Cement	125	%	
Cement Required	143	sx	

SHOE

235 ', 9.625 ", 32.3 ppf, H-40 STC

INTERMEDIATE CASING:

		1	
Drill Bit Diameter	8.75	11	
Casing Outside Diameter	7	10	Casing Inside Diam. 6.456
Casing Weight	20	ppf	•
Casing Grade	J-55	FF.	
•			
Shoe Depth	3682		
Lead Cement Yield	2.88	cuft/sk	
Lead Cement Density	11.5	lb/gal	
Lead Cement Excess	150	%	
Lead Cement Required	368	sx	
Tail Cement Length	736.4	•	
Tail Cement Yield	1.33	cuft/sk	
Tail Cement Density	13.5	lb/gal	
Tail Cement Excess	150	%	
Tail Cement Required	215	sx	
· · · · · · · · · · · · · · · · · · ·	The second secon	٠.	

SHOE

3682 ', 7 ",

20 ppf, J-55 STC

PRODUCTION CASING:

Drill Bit Diameter Casing Outside Diameter	6.25 4.5		Casing Inside Diam. 4.000
Casing Weight	11.6	ppf	
Casing Grade	N-80		
Top of Cement	3482	l'	200' inside intermediate casing
Shoe Depth	7902	ľ	
Cement Yield	1.45	cuft/	sk
Cement Density	13.1	lb/ga	il
Cement Excess	50	%	
Cement Required	464	sx	

SAN JUAN 29-6 #35F

HALLIBURTON OPTION

9-5/8 Surface Casing							
	Standard Ce	ment					
Cement Recipe	+ 3% Calciur	n Chloride					
	+ 0.25 lb/sx l	locele					
Cement Volume	143	SX					
Cement Yield	1.21	cuft/sx					
Slurry Volume	172.9	cuft					
Sidily volume	30.8	bbls					
Cement Density	15.6	ppg					
Water Required	5.29	gal/sx					

7" Intermediate Casing								
Lead Slurry								
	Standard Ce	ment						
Cement Recipe	+ 3% Econoli	te (extender)						
	+ 10 lb/sx Pheno Seal							
Cement Required	368	sx						
Cement Yield	2.88	cuft/sx						
Slurry Volume	1060.2	cuft						
Siding volume	188.8	bbls						
Cement Density	11.5	ppg						
Water Required	16.85	gal/sx						

7" Intermediate Casing					
	Tail Slurry				
	50 / 50 POZ:St	andard Cement			
Cement Slurry	+ 2% Bentonite				
	+ 6 lb/sx Pheno Seal				
Cement Required	215 sx				
Cement Yield	1.33 cuft/sx				
Slurry Volume	286.4	cuft			
Siding volume	51.0	bbls			
Cement Density	13.5 ppg				
Water Required 5.52 gal/sx					

4-1/2" Production Casing				
	50 / 50 POZ:Standard Cement			
	+ 3% Bentonite			
Cement Recipe	+ 3.5 lb/sx P	henoSeal		
Cement Recipe	+ 0.2% CFR-3 F	riction Reducer		
	+ 0.1% HR-5 Retarder			
	+ 0.8% Halad-9 Fluid Loss Additive			
Cement Quantity	464	sx		
Cement Yield	1.45	cuft/sx		
Cement Volume	673.1	cuft		
Cement volume	119.9			
Cement Density	13.1 ppg			
Water Required	6.55 gal/sx			

SCHLUMBERGER OPTION 1

9-5/8 Surface Casing					
	Class G Cement				
Cement Recipe	+ 3% S001 Calcium Chloride				
	+ 0.25 lb/sx D029 (+ 0.25 lb/sx D029 Cellophane Flakes			
Cement Volume	148 sx				
Cement Yield	1.17	cuft/sx			
Cement Volume	172.9	cuft			
Cement Density	15.8	ppg			
Water Required	4.973 gal/sx				

7" Intermediate Casing				
	Lead Slurry			
	Class G Cerr	nent		
ļ	+ 0.25 lb/sx D029 (Cellophane Flakes		
Cement Recipe	+ 3% D079 E	+ 3% D079 Extender		
	+ 0.20% D046 Antifoam			
	+ 10 lb/sx Pheno Seal			
Cement Required	390 sx			
Cement Yield	2.72	cuft/sx		
Slurry Volume	1060.2	cuft		
Siulty volume	188.8	bbls		
Cement Density	11.7 ppg			
Water Required	15.74 gal/sx			

7" Intermediate Casing				
	Tail Slurry			
	50 / 50 POZ: C	lass G Cement		
	+ 0.25 lb/sx D029	Cellophane Flakes		
	+ 2% D020 E	Bentonite		
Cement Slurry	+ 1.5 lb/sx D024 (Gilsonite Extender		
	+ 2% S001 Calcium Chloride			
	+ 0.10% D046 Antifoam			
	+ 6 lb/sx Pheno Seal			
Cement Required	219	sx		
Cement Yield	1.31	cuft/sx		
Slurry Volume	286.4	cuft		
Siurry volume	51.0	bbls		
Cement Density	13.5 ppg			
Water Required	5.317	gal/sx		

4-1/2" Production Casing				
	50 / 50 POZ:Class G Cement			
	+ 0.25 lb/sx D029	Cellophane Flakes		
	+ 3% D020 E	Bentonite		
	+ 1.0 lb/sx D024 (Gilsonite Extender		
Cement Recipe	+ 0.25% D16	7 Fluid Loss		
	+ 0.15% D065 Dispersant			
	+ 0.1% D800 Retarder			
	+ 0.1% D046 Antifoamer			
	+ 3.5 lb/sx Pl	henoSeal		
Cement Quantity	467	sx		
Cement Yield	1.44	cuft/sx		
Cement Volume	673.1	cuft		
Cement volume	119.9			
Cement Density	13	ppg		
Water Required		gal/sx		

SCHLUMBERGER OPTION 2

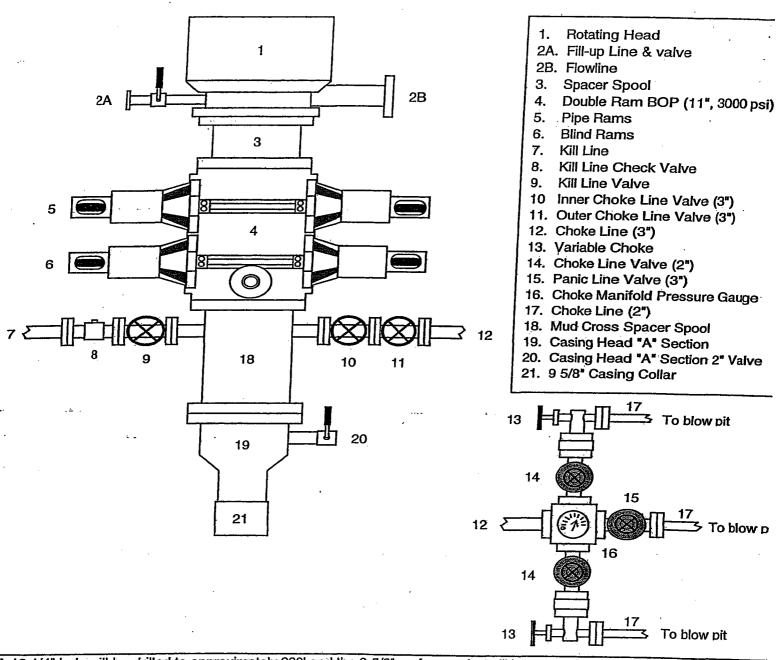
9-5/8 Surface Casing				
	Type III Cement + 2% S001 Calcium Chloride			
Cement Recipe				
	+ 0.25 lb/sx D029 (Cellophane Flakes		
	+ 0.20% D046 Antifoam			
Cement Volume	130	sx		
Cement Yield	1.33	cuft/sx		
Cement Volume	172.9 cuft			
Cement Density	14.8	ppg		
Water Required	6.095	gal/sx		

7" Intermediate Casing					
	Lead Slurry				
	75% Type XI / 25%	75% Type XI / 25% Class G Cement			
	+ 0.25 lb/sx D029	Cellophane Flakes			
Cement Recipe	+ 3% D079 E	xtender			
	+ 0.20% D046 Antifoam				
Cement Required	505 sx				
Cement Yield	2.1 cuft/sx				
Slurry Volume	1060.2	cuft			
Siurry volume	188.8	bbls			
Cement Density	11.7 ppg				
Water Required	11.724	11.724 gal/sx			

7" Intermediate Casing					
	Tail Slurry				
	50 / 50 POZ: Class G Cement				
	+ 0.25 lb/sx D029	Cellophane Flakes			
	+ 2% D020 E	Bentonite			
Cement Slurry	+ 1.5 lb/sx D024 (Silsonite Extender			
	+ 2% S001 Calcium Chloride				
<u>'</u>	+ 0.10% D046 Antifoam				
	+ 6 lb/sx Pheno Seal				
Cement Required	219	sx			
Cement Yield	1.31	cuft/sx			
Slurny Volumo	286.4	cuft			
Slurry Volume	51.0	bbls			
Cement Density	13.5 ppg				
Water Required	5.317 gal/sx				

4-1/2" Production Casing				
	50 / 50 POZ:CI	ass G Cement		
	+ 0.25 lb/sx D029 Cellophane Flakes			
	+ 3% D020 E	Bentonite		
	+ 1.0 lb/sx D024 (
Cement Recipe	+ 0.25% D16	7 Fluid Loss		
	+ 0.15% D06	5 Dispersant		
	+ 0.1% D800 Retarder			
	+ 0.1% D046 Antifoamer			
	+ 3.5 lb/sx Pl	henoSeal		
Cement Quantity	467	sx		
Cement Yield	1.44	cuft/sx		
Cement Volume	673.1	cuft		
Cement volume	119.9			
Cement Density	13	ppg		
Water Required		gal/sx		

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

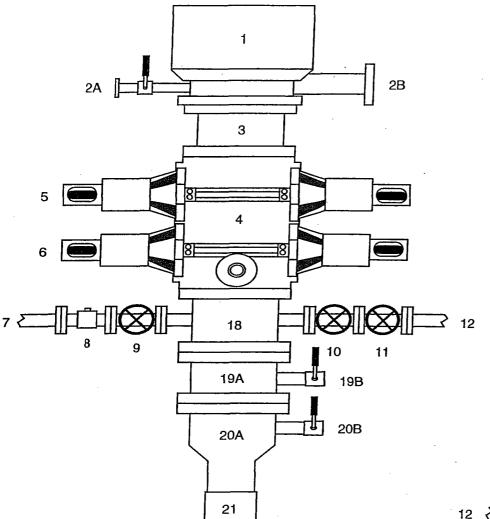


A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe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

BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

For Drilling to TD and Setting 4.5 inch Casing



- 1. Rotating Head
- 2A. Fill-up Line & valve
- 2B. Blooie Line (for Air Drilling)
- 3. Spacer Spool
- 4. Double Ram BOP (11", 3000 psi)
- 5. Pipe Rams
- 6. Blind Rams
- 7. Kill Line
- 8. Kill Line Check Valve
- 9. Kill Line Valve
- 10 Inner Choke Line Valve (3")
- 11. Outer Choke Line Valve (3")
- 12. Choke Line (3")
- 13. Variable Choke
- 14. Choke Line Valve (2")
- 15. Panic Line Valve (3")
- 16. Choke Manifold Pressure Gauge
- 17. Choke Line (2")
- 18. Mud Cross Spacer Spool
- 19A Csg Spool "B" Section (11", 3M)
- 19B "B" Section Csg Valve (2", 3M)
- 20A Csg Head "A" Section (11", 3M)
- 20B "A" Section Csg Valve (2", 3M)
- 21. 9 5/8" Casing Collar

13 To blow pit

14 15 17 To blow pit

14 17 To blow pit

14 17 To blow pit

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

Davidson Datas Cantanalis & and

Property:	SA	AN JUAN 29	-6 UNIT	_	Well #:		35F	
Surface Loc	cation:							
Unit: L	Section	on: 15 To	wnship:	29N	_Range:	6W		
County: R	IO ARRI	IBA		State:	New Me	exico		
Footage:	2485	from the	SOUTH	line.	25	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.