UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RCVD FEB21'07 OIL CONS. DIV.

a.	Type of Work	7897 Bast 319 TH Z- 37	5. Lease Number	
ıa.	DRILL	RECEIVED	SF-079047	
		ş -1 - 1 - 1	Unit Reporting Nu	mber
lb.	Type of Moll	210 F/F (1711 BM	6. If Indian, All. or To	iiba
D.	Type of Well GAS		O. II IIIQIAN, An. Of Ti	iD o
2.	Operator		7. Unit Agreement N	ame
	ConocoPhillips		San Juan 32-8	Unit
 3.	Address & Phone No. of Operato	NT	8. Farm or Lease Na	ne
•	PO Box 4289, Farmingt		o, rain or 2000 run	
	(505) 206 0500		9. Well Number	
	(505) 326-9700		#\$ 8	
١.	Location of Well		10. Field, Pool, Wilde	
1	Unit N (SESW), 1070' FS	L & 1721' FWL,	Basin DK/Blanc	o MV
			/ 11 Sec. Two Rge. I	Mer. (NMPM)
	Latitude 36º 54.4380752		11. Sec., Twn, Rge, Sec. 11, T31N,	R8W
	Longitude 107° 38.84392	93′ W		1.60
			API# 30-045-3 4	1132
4.	Distance in Miles from Nearest T	own	12. County	13. State
	15 miles/Bloomfield		San Juan	NM
5.	Distance from Proposed Location	to Nearest Property or Lease Lie	ne	
6.	Acres in Lease		17. Acres Assigned	to Well
			320 - (W/2)	
18.	Distance from Proposed Location	to Nearest Well, Drig, Compl, o	r Applied for on this Leas	8
9.	Proposed Depth		20. Rotary or Cable	Γools
	8257′		Rotary	
21.	Elevations (DF, FT, GR, Etc.)		22. Approx. Date W	ork will Start
	6658' GL			
23.	Proposed Casing and Cementing	Program		
23.	See Operations Plan a			
24.	Authorized by:	Ol Bear	40	11-07
4 4 .		Regulatory Technician)	Dat	e
	_			
PERMI	T NO.	APPROVAL D	ATE	/
·	11/1/2012		/1	2/2-51
APPRO	OVED BY SILL OF THE STATE OF TH	TITLE NOV	DATE	1/29
	/			
	ological Report attached		NOTIFY AZTEC OCD 2 IN TIME TO WITNESS	

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes 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 presentations as to any matter within its jurisdiction.

2/26/07

District I.

1625 N. Franch Dr., Hobbs, NM 88246

<u>District II.</u>

1303 W. Grand Avenus, Access, NM 88216

<u>District III.</u>

1000 Rfn Bruson Rd., Astro., NM 87410

District IV.

1220 S. St. Pisnick Dr., Sants Po, NM 87505

API Number

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION S
1220 South St. Francis Dr.
Santa Fe, NM.8750511 30 PM 2: 37

Fee Lease - 3 Copies
State Lease - 7 Copies
Submit to Appropriate District Office
Revised June 10, 2003
Form C-102

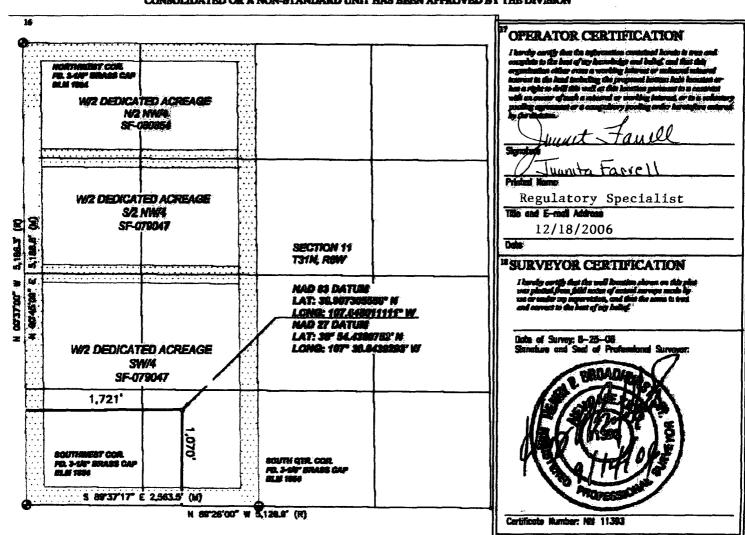
☐ AMMENDED REPORT

CEVIEDER

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-045	5 - 34152 72319/71599 Blanco Mesaverde/Blanco Dakota Code Wedl Number											
⁴ Property Co 31330					Well Number							
7 OGRID No. Sperator Name Superator												
					10 SURPACE	LOCATION						
Lift. or lot no.	Section	Township	Range	Lot life	Post from the	North/South line	Post from the	Bast/West Sine	County			
N:	11	31-N	8-14		1,070	SOUTH	1,721	WEST	MAUL MAS			
			ıı E	lottom H	ole Location	If Different Fro	m Surface					
UL or let ms	Sections	Tournelin	Rango	Lot line	Fort from the	North South line	Foot floor the	Best/West lites	County			
	1	<u> </u>			ł	1		1	1			
Dollared Acre	13 Johns	or hell)	Complitation	Code 13	Clinder No.	<u> </u>		<u></u>				
326	(2)			· · ·								

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	State of New Mexico		Form C-103						
Office District 1	Energy, Minerals and Natural Resource	es	May 27, 2004						
1625 N. French Dr., Hobbs, NM 88240		WELL API NO.	21152						
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISIO		0-045 - 2412						
District III	1220 South St. Francis Dr.	5. Indicate Type of Lease STATE	FEE 🗍						
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	6. State Oil & Gas Lease No.							
District IV	Santa 1 0, 1414 07505								
1220 S. St. Francis Dr., Santa Fe, NM 87505	AND DEPORTS ON WELLS	SF-079047							
(DO NOT USE THIS FORM FOR PROPOSALS TO	AND REPORTS ON WELLS DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name	Ì						
DIFFERENT RESERVOIR. USE "APPLICATION F	OR PERMIT" (FORM C-101) FOR SUCH	San Juan 32-8 Ur	nit						
PROPOSALS.)		o William I							
1. Type of Well: Oil Well Gas Well X C	ther	8. Well Number #9							
2. Name of Operator		9. OGRID Number							
Con	ocoPhillips	217817							
3. Address of Operator	F FARMINICTON NIM 97402	10. Pool name or Wildcat	M						
4. Well Location	r, Farmington, NM 87402	Basin DK/Blanco N	VI V						
Unit Letter N : 1070			West line						
Section 11	Township 31N Rng	the record of the same	inty San Juan						
Property of the second	vation (Show whether DR, RKB, RT, GR, etc., 6658'								
Pit or Below-grade Tank Application 0	r Closure								
Pit type New Drill Depth to Groundwater	>100' Distance from nearest fresh water well	>1000' Distance from nearest surface water	200-1000						
Pit Liner Thickness: 12 m	il Below-Grade Tank: Volume	4400 bbls; Construction Material	Synthetic						
12. Che	k Appropriate Box to Indicate Nat	ure of Notice, Report or Other Data							
NOTICE OF INTE		SÚBSEQUENT REPORT	OF:						
PERFORM REMEDIAL WORK	LUG AND ABANDON REME	DIAL WORK	ALTERING CASING						
├		MENCE DRILLING OPNS.	P AND A						
PULL OR ALTER CASING M	IULTIPLE COMPL	NG/CEMENT JOB							
OTHER: New Dri	II X OTHE	R:							
		and give pertinent dates, including estimated date							
of starting any proposed work). Some or recompletion.	EE RULE 1103. For Multiple Completions:	Attach wellbore diagram of proposed completion							
or recompletion.									
New Drill, Lined:									
New Diffi, Linea.									
ConocoPhillips proposes to construct a	new drilling pit and an associated vent/flare p	it. Based on Burlington's interpretation of the Ec	osphere's risk ranking						
		ling / Workover Pit Construction / Operation Production							
		d to manage fluids and that portion will be lined a							
	tes closing these pits according to the Drilling	g / Workover Pit Closure Procedure dated August	2, 2004 on file at the						
NMOCD office.									
		•							
Thereby certify that the information above	is true and complete to the best of my knowle	dge and belief. I further certify that any pit or below-							
	ccording to NMQCD guidelines, a general permit		□ .						
f-hh.	$\mathcal{N} \mathcal{L} = -$, 5/ *						
SIGNATURE	TITLE	Regulatory Technician	_ DATE <u>/-26-0</u>						
Type or print name Rhonda F	logers E-mail address: rog	gerrs@conocophillips.com Telephone No	505-599-4018						

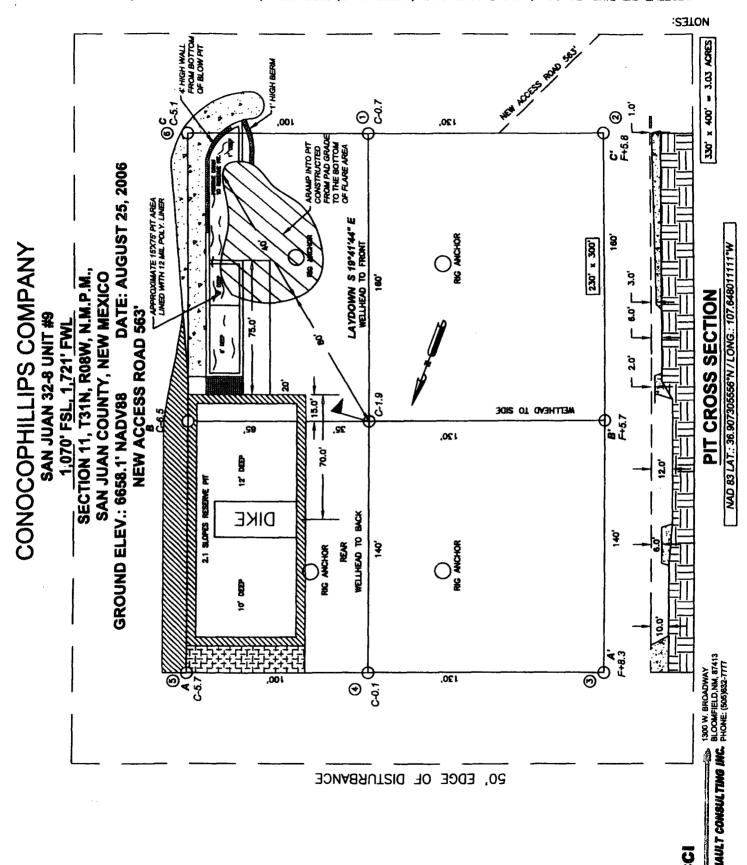
DEPUTY OIL & GAS INSPECTOR, DIST.

DATEEB 2 6 2007

Type or print name For State Use Only

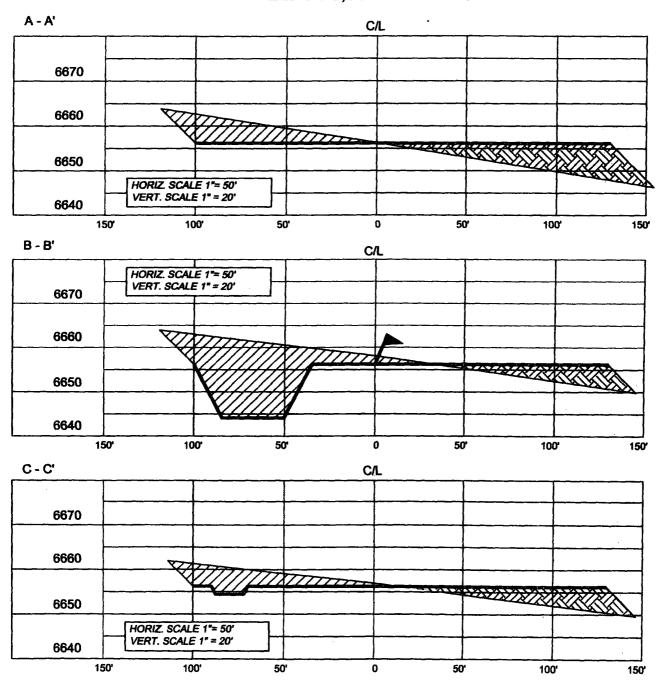
APPPROVED BY Conditions of Approval (if any):

1. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE).



CONOCOPHILLIPS COMPANY

SAN JUAN 32-8 UNIT #9 1,070' FSL, 1,721' FWL SECTION 11, T31N, R8W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO ELEV.: 6,658.1' NAVD88



NOTE: CCI IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKET OR LIMITABLE DISTRIBUTES OF THE SHOP O

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD PRIOR TO CONSTRUCTION.

NO.	DESCRIPTION	REVISED BY	DATE
			
			l
			1

CCI

1300 W. BROADWAY BLOOMFIELD,NM, 87413 PHONE: (505)632-7777

CHENAULT CONSULTING INC.



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-8 UNIT 9

									
Lease:			AF	E #: WAN.C	NV.7115		APPENDENCE OF THE PROPERTY OF	A	NFE \$:
Field Name: 32-8	}	earcat Rig 5		State	: NM Co	ounty: SAN JUAN	A	NPI #:	
Geoscientist: Pip	pin, Eddie A	Phone:	505-326-978	0 Pr	od. Engineer		vicz, Greg M.	Phor	ne: +1 832-486-3486
Res. Engineer: Pr		Phone:	832-486-227		oj. Field Lead			Phon	
Primary Object									
Zone	Zone Name			1					
R20002	MESAVERDE(R20002)]					
R20076	DAKOTA(R20076)]					
Location: Surfac	re Datum	Code: NA	D 27	190				· · · · · ·	Strolght Hole
Latitude: 36.9073	01 Longitude: -10	7.647399	X:	Y:		S	Section: 11		Range: 008W
Footage X/ 1721	FWL Footage Y: 107	QFSL	Elevation: 665	58 (FT) Township	p: 031N			
Tolerance:					<u>-, l · </u>				
Location Type: Si	ummer Only	Start D	ate (Est.):		Completion I	Date:	Date Ir	n Oper	ration:
Formation Data:	Assume KB = 6672	Units =			<u> </u>				
Formation Call &	Depth		Depletion	BHP _		 			
Casing Points	(TVD in		(Yes/No)	(PSIG) B	HT		Remark	S	
200	-3327	9999			null				
216	-3327	7 9999			null				
MACC	2348				Possible	e water flo	ws.		
KRLD	2443		□						
FRLD	3028				Possible	e gas.			
PCCF	3555		Ц						
LEWS Intermediate Casin	3764								
Intermediate Casin HURF	ng 3842 4366								
CHRA	4725								
UCLFH	5170		H						
CLFH	5465		ñ		Gas; po	ssibly wet			
MENF	5557		ñ		Gas.				
PTLK	5867		ō		Gas.				
MANCOS	6219	453							
UPPER GALLUP	7182	-510			1				
GREENHORN	7931	-1259			k)			
GRANEROS	7983	-1311			9				
TWLS	8084				l				
PAGU	8110								
CBRO	8120								
CBRL	8152		Ü		10' updi	ip to 32-8	#23M		
ENCINAL TD	8212		Н		TTD 4F1 I	lo T/Ch	JCN I		
Reference Well:	(8257	-1585			10 45 [pelow T/EN	ICIY		
Reference Type	Well Name		Comments						
	SJ 32-8 42		10-31N-8W-N	IE, KB = 674	19				
	SJ 32-8 243		11-31N-8W-S						
Production	32-8 #23M		NW 14-31N	BW					

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PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 32-8 UNIT 9

					
Logging Progr	am:				# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Intermediate Lo	gs: Log only	if show GR/ILD	Triple Combo		
TD Logs:	☐ Triple Co	mbo Dipmeter	RFT Sonic	□ VSP□ TDT ☑ Other	
	CBL/GR MUDLOGGER	100' above Grhn to	TD		
Additional Inform					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

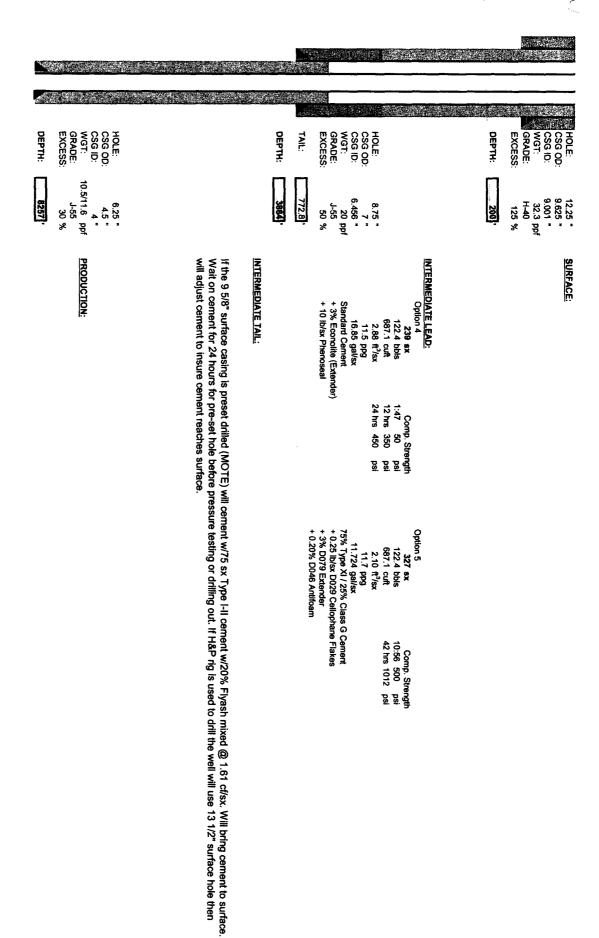
Comments: Location/Tops/Logging - T/PCCF is PCCF Main DKNM031N008W11SW1 AND MVNM031N008W11SW1 ****MUDLOGGER*** 100' above Grhn to TD

Zones - DKNM031N008W11SW1 AND MVNM031N008W11SW1

General/Work Description - 11/9/06 ADDED THE DK FORMATION. NO LEWIS IN THE MV

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						,						774								
	DEPTH:	WGT: GRADE: EXCESS:	CSG OD:						DEPTH:	TAIL:	EXCESS:	WGT:	CSG OD:				DEPTH:	EXCESS:	CSG ID:	HOLE: CSG OD:
	8257	10.5/11.6 ppf J-55 30 %	6.25 4.5						3864	772.8	50 %	6.456 ° 20 ppf	8.75 " 7 *				200	125 %	9.001 * 32.3 ppf	12.25 " 9.625 "
1.44 It./sx 13.0 ppg 6.47 gal/sx 50/50 Poz: Class G Cement + 0.25 lb/sx D029 Celiophane Flakes + 3% D020 Bentonite + 1.0 lb/sx D024 Glisonite Extender + 0.25% D045 Dispersant + 0.25% D065 Dispersant + 0.1% D080 Retarder + 0.1% D080 Retarder + 0.1% D080 Retarder + 0.1% D080 Retarder + 3.5 lb/sx Phenoseal	108.6 bbls 609.6 cuft	PRODUCTION: Option 1 423 sx	+ 2% D020 Bentonite + 1.5 lb/sx D024 Glisonite Extender + 0.1% D046 Antifoamer + 6 lb/sx Phenoseal	5.317 gal/sx 50/50 Poz: Class G Cement + 0.25 lb/sx D029 Cellophane Flakes + 3% S001 Calcium Chloride	1.31 ft³/sx 13.5 ppg	32.6 bbis 183.9 cuft	140 sx	INTERMEDIATE TAIL:		. To Way of Rein Code	+ 3% D079 Extender + 0.20% D046 Antifoam + 10 lb/rx Bhonocol	15.74 gal/sx Class G Cement	2.72 ft/sx 11.7 ppg	687.1 cuft	NTERMEDIATE LEAD: Option 1 253 sx	+ 3% S001 Calcium Chloride + 0.25 lb/sx D029 Cellophane Flakes	15.8 ppg 4.973 gal/sx Class G Cement	148.3 cuft 1.17 ft ³ /sx	127 sx 26.4 bbls	SURFACE: Option 1
	7 hrs 500 psi 24 hrs 2100 psi	3) Extender	ent vane Flakes ride	4 hrs 3170 8 hrs 5399	8:22 1000 psi	omp. Stre							9 nrs 300 psi 48 hrs 525 psi	mp. Stre	ride เลกe Flakes		8 hrs 500 psi psi	mp. Stre 250	
1.45 ft /sx 13:29 13.1 ppg 24 hrs 6.55 galfsx 50/50 Poz: Standard Cement + 3% Bentonite + 0.2% CFR-3 Friction Reducer + 0.1% HR-5 Retarder + 0.8% Halad-9 Fluid Loss Additive + 3.5 lb/sx Phenoseal	108.6 bbls 609.6 cuft	Option 2 420 sx		5.52 gal/sx 50/50 Poz: Standard Cement + 2% Bertonite + 6.0 lb/sx Phenoseal	1.33 ft³/sx 13.5 ppg	32.8 bbls 183.9 cuft	138 sx	Option		- C.O IDISA E REIROSGI	+ 30 lb/sx San Juan Poz + 3% Bentonite	14.62 gal/sx Type III Ashgrove Cement	2.60 ft ² /sx 11.5 ppg	687.1 cuft	Option 2 264 sx	+ 3% Calcium Chloride + 0.25 lb/sx Flocele	15.6 ppg. 5.29 gal/sx Standard Cement	148.3 cuft 1.21 ft³/sx	123 sx 26.4 bbls	Option 2
13:29 24 hrs ent ducer \$ Additive	9:32 12 hrs	Com		ent.	12 hrs 24hrs	4:06	Com						24 hrs	12 hrs 350	Com			8 hrs	6 hrs	
1026 psi 2300 psi	500 psi	Comp. Strength				500 psi	₫						450 psi	~	₫			500 psi		
			+ 2% S001 Calcium Chloride + 0.1% D046 Antifoamer + 0.15% D065 Dispersant + 0.15% D065 Dispersant + 1.0 lb/bbl CemNet	5.255 gal/sx 50/50 Poz: Class G Cement + 2% D020 Bentonite + 5.0 lb/sx D024 Gilsonite Extender	1.28 ft³/sx 13.5 ppg	32.8 bbis 183.9 cuft	144 sx			* 1.0 (DIDDI CHINNE)	+ 3% D079 Extender + 0.20% D046 Antifoam	15.92 gal/sx Class G Cement	2.63 ft³/sx 11.7 ppg	122.4 bbls 687.1 cuft	Option 3 261 sx	+ 20% Fly Ash	14.5 ppg 7.41 gal/sx Type I-II Ready Mix	90.6 cuft 1.61 ft³/sx	56 sx 16.1 bbls	Option 3
			t vide	ent ∍ Extender		24 hrs 1850 psi 48 hrs 3411 psi	Comp. Strength							3 hrs 100 psi 24 hrs 443 psi	<u>a</u>			24 hrs 1375 psi	Comp. Strength 8 hrs 475 psi	



TOPSET FRUITLAND COAL Wells: (topset casing above coal to prepare for cavitation/DO/UR)

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

CASE & FRAC FRUITLAND COAL Wells: (casing set below coal to prepare for frac completion)

Drilling Mud Program:

Surface: spud mud

Production: fresh water mud with bentonite and polymer 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 Production: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2nd, 4th, 6th, 8th, 8th,

10th joints

Turbolizers placed one per joint from the top of the Ojo Alamo to the top of the Kirtland Shale

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 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

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

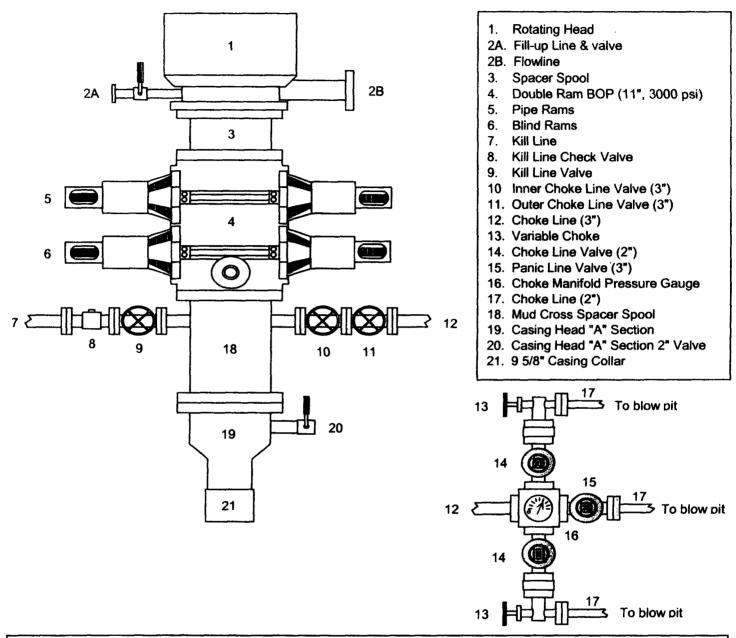
Centralizer Program:

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, &

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

BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

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



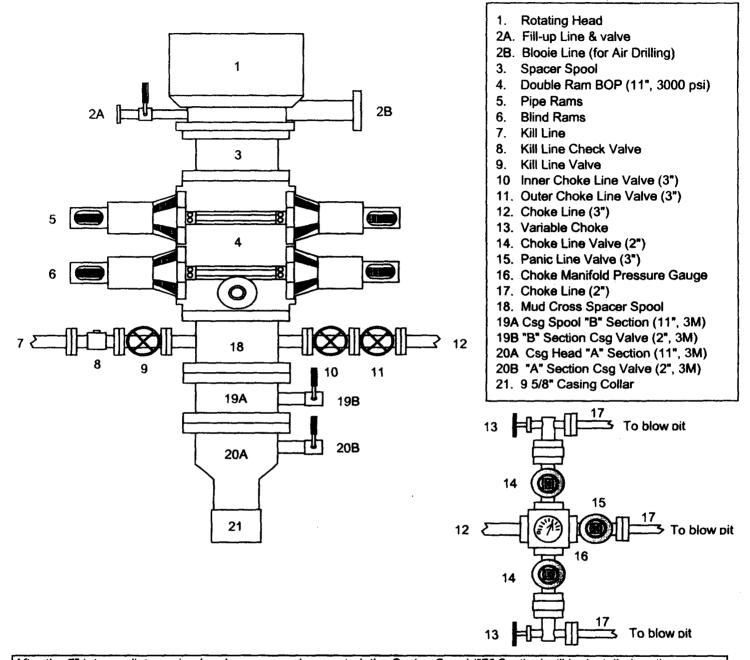
A 12-1/4" hole will be drilled to approximately popular the 9-5/8" surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe rams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

Revision Date: September 1, 2004

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