OIL CONS. DIV. DIST. 3

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

A

la.	Type of Work DRILL RE	5. Lease Number SF-080854	
	1 (Lan	SF-080854 Unit Reporting Nun ルルドルーフを42点	nber
lb.	Type of Well GAS	6. If Indian, All. or Tri	be
2.	Operator	7. Unit Agreement Na	ame
	ConocoPhillips	San Juan 32-8	Unit
3.	Address & Phone No. of Operator	8. Farm or Lease Nam	ne
	PO Box 4289, Farmington, NM 87		
	(505) 326-9700	9. Well Number #30	
1.	Location of Well	10. Field, Pool, Wildo	
	Unit G (SWNE), 2,088' FNL, 1465'	FEL Basin Dakota/Bla	anco Mesaver
	Latitude 36° 53'54.91405" N	11. Sec., Twn, Rge, N	Mer. (NMPM) T31N, R8W
	Longitude 107° 38'26.33711" W		
	Hongitude 107 50 20.55711 W	API # 30-045-340	95
14.	Distance in Miles from Nearest Town	12. County	13. State
	35 Miles Bloomfield	San Juan	NM
15.	Distance from Proposed Location to Nearest F 1465'	roperty or Lease Line	
16.	Acres in Lease	17. Acres Assigned to 320.00 acres	
18.	Distance from Proposed Location to Nearest \	Vell, Drlg, Compl, or Applied for on this Lease	9
19.	Proposed Depth		
13.	8148'	20. Rotary or Cable T Rotary	OOIS
21.	Elevations (DF, FT, GR, Etc.) 6580'GL	22. Approx. Date We	ork will Start
23.	Proposed Casing and Cementing Program See Operations Plan attached		
	see Operations Fram accaded	,	
24.	Authorized by: Heart Family Regulatory Specialis	12/04/06 Date	_
DEDNA	IT NO.	APPROVAL DATE	
- LAIA!		AFFROVAL DATE	/- /
	18 1111 = 1.		

Archaeological Report attached

Threatened and Endangered Species Report attached

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.



Principal II

1625 N. Frank Dr., Parks, NIM 93240

District II

1301 W. Gered Avezes, Ameda, NRI 85210

District III

1000 Rio Empos Rd., Aztec, NR4 97410

District IV

1220 S. St. Francis Dr., Santo Fe, NM 37500

State of New Mexico

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505 2006 DEC 5 PM 4 01

Fee Lease - 3 Copies T. 3 State Lease - 7 Copies

Submit to Appropriate District Office

Revised June 10, 2003

Form C-102

AMMENDED REPORT

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-045-	M Number 341	95	715	Poel Code 99/723	3 Pool Name: 3 19 DAKOTA / MESAVERDE						
4 Property Code 5 Property Name 31330 SAN JUAN 32-6									Well Number 30		
7 OGRID No. 217817					8 Openi ONOCOPHIL		⁹ Hisvation 6,579.5'				
					10 SURFACE	LOCATION					
JL or lot so.	Section	Township Range Lot kit			Post from the	North/South line Fest from the Bast/West is			County		
G	14	31-N	8-W		2088	NORTH	1465	EAST	SAN JUAN		
			11 E	ottom H	ole Location	If Different Fro	m Surface				
					Feet from the	North/South line	Post from the	Bast/West line	County _		
Dedicated Acres	Joint of	or Infili	Cousolidation	Ceda 15	Order No.			•			

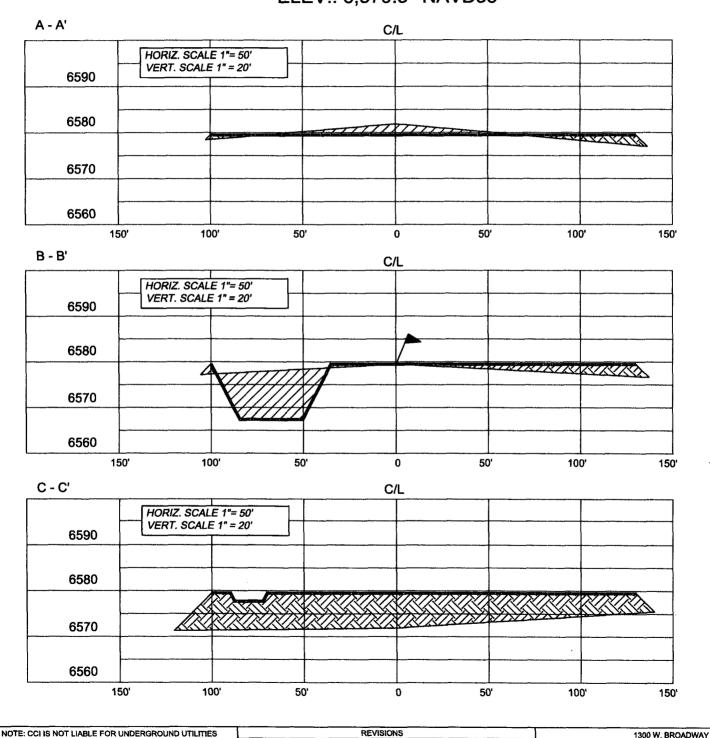
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16			ſ	7 /
	₩ 89°26°00° ₩	5.126.88" (R) N 88"37"55" W	2,563.95° (M)	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and
	Morth GTR. COR. FD. 3-14° BRASS CAP BLM 1954	is in	NORTHEAST COR FD. 3-14" BRASS CAP BLM 1994 Z Q G	complete to the best of my knowledge and belief, and that this organization either owns a working interest or unlessed mineral interest in the lead including the proposed bostom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order hereafore entered by the difficien. Signodure
		2086		Kandis Roland
_	NAD 83 DATUM AT: 36° 53' 54.93000" G: 107° 38' 28.54000" NAD 27 DATUM		2,588.41° (X)	Printed Nome Regulatory Assistant Title and E-meil Address 7/27/06 Date
	AT: 36° 53' 54.91405° G: 107° 38' 26.33711°		01200	¹⁸ SURVEYOR CERTIFICATION
			EAST QTR. COR. FD. 2-1/5" BRASS CAP BLM 1954	I hereby certify that the well location shown on this plat was plotted from fulld 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.
			S,178-72" (R)	Date of Survey: 6/26/06 Signature and Seal of Professional Surveyor:
		SF-0 SECT	ED ACREAGE 80854 ION 14 , R8W	
		l .		Certificate Number 48 11585

Submit 3 Copies To Appropriate District	State of New Mexico	Form	C-103
Office District I	Energy, Minerals and Natural Resources		27, 2004
1625 N. French Dr., Hobbs, NM 88240	37	WELL API NO. 24/795	
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	30-045- 30-045- 5. Indicate Type of Lease	
District III	1220 South St. Francis Dr.	STATE FEE	
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	6. State Oil & Gas Lease No.	
District IV		Federal Lease SF-080854	
1220 S. St. Francis Dr., Santa Fe, NM 8750:	S AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name	
	O DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name of Olit Agreement Name	
DIFFERENT RESERVOIR. USE "APPLICATION	N FOR PERMIT" (FORM C-101) FOR SUCH	San Juan 32-8 Unit	
PROPOSALS.)		8. Well Number	
1. Type of Well: Oil Well Gas Well X	Other	30	
2. Name of Operator		9. OGRID Number	
	oPhillips Company	217817	
3. Address of Operator	EET, FARMINGTON, NM 87402	10. Pool name or Wildcat Blanco Mesaverde/Basin Dakota	ļ
4. Well Location	SET, TARMINGTON, NW 87402	Dianco Mesaverde Dasin Darota	
	988' feet from the South line and	1465' feet from the <u>East</u> line	
Section 14	Township 31N Rng 8V	NMPM County San Jua	n
	Elevation (Show whether DR, RKB, RT, GR, etc.) 6580		
Pit or Below-grade Tank Application	or Closure	BACA THE THE OTHER TOO FEW AND SHEET AND	1200
Pit type New Drill Depth to Groundwa	ter >100' Distance from nearest fresh water well	>1000' Distance from nearest surface water	1000'
Pit Liner Thickness: 12	mil Below-Grade Tank: Volume 446	0 bbls; Construction Material Synth	etic
12 Check A	appropriate Box to Indicate Nature of No	tice Report or Other Data	
NOTICE OF IN	· · · · · · · · · · · · · · · · ·	SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK	I	AL WORK ALTERING CASI	NG 🗀
TEMPORARILY ABANDON		ICE DRILLING OPNS. P AND A	''` H
			1 1
PULL OR ALTER CASING	MULTIPLE COMPL CASING/	CEMENT JOB	
PULL OR ALTER CASING OTHER: New I		CEMENT JOB	
OTHER: New I 13. Describe proposed or completed	Drill X OTHER: d operations. (Clearly state all pertinent details, and	give pertinent dates, including estimated date	
OTHER: New I 13. Describe proposed or completed of starting any proposed work).	Drill X OTHER:	give pertinent dates, including estimated date	
OTHER: New I 13. Describe proposed or completed	Drill X OTHER: d operations. (Clearly state all pertinent details, and	give pertinent dates, including estimated date	
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CONOCOPHILLIPS COMPANY

SAN JUAN 32-8 #30 2,088' FNL, 1,465' FEL SECTION 14, T31N, ,R08W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO ELEV.: 6,579.5' NAVD88



NO.

DESCRIPTION

REVISED BY

DATE

CCI

BLOOMFIELD,NM, 87413

PHONE: (505)632-7777

CHENAULT CONSULTING INC.

OR PIPELINES.

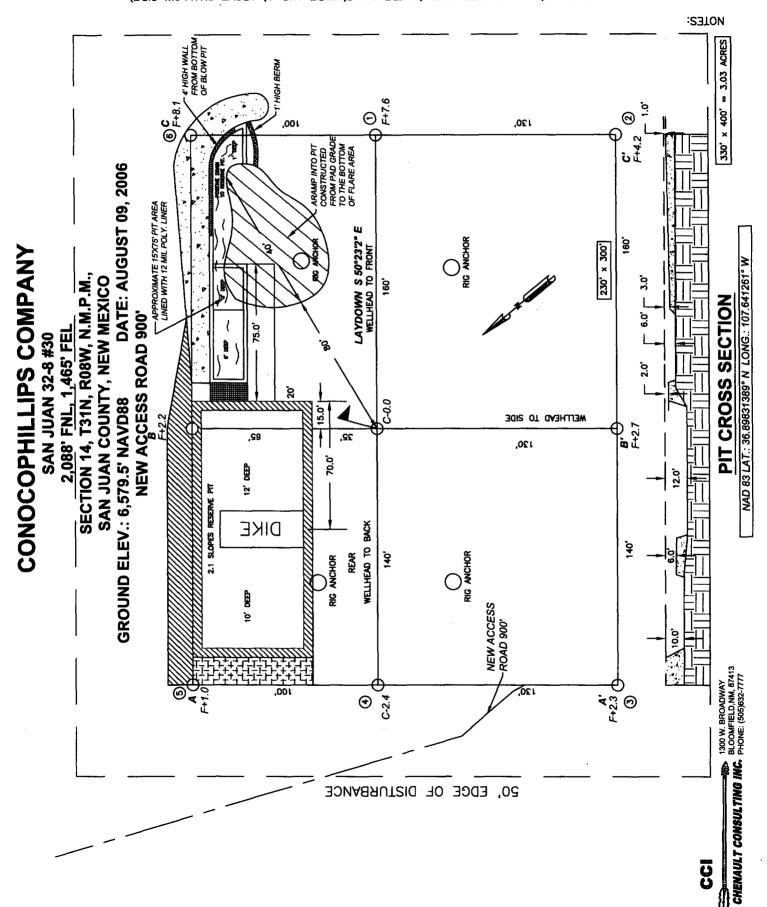
CONSTRUCTION.

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

157

2. C.C.I. SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL ONE—CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

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





PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-8 30

Lease:				А	AFE #: WAN.CNV.7125 AFE \$:					E \$:	
Field Name: 32-8 Rig: Bea				arcat Rig 5			State:	NM	County: SAN JUAN	AP	I #:
Geoscientist: Brain, Ted H. Phone:			832-486-25	92	Prod. I	Engineer:	Pio	trowicz, Greg M.	Phone	: +1 832-486-3486	
Res. Engineer: Phone:				832 486-26	51				nsen, Eric E.	Phone	
Primary Objective	ve (Zones):										
Zone	Zone Name	9			7						
R20002	MESAVERD	E(R20002)									
R20076	DAKOTA(R2	20076)									
					_						
Location: Surface		Datum Cor	te: NAI	3.27							Straight Hole
Latitude: 36.89858	37 Longit	ude: -107.64	*************************************	X:		Y;			Section: 14		Range: 8W
Footage X: 1465 I	 _	ge Y: 2088 FN		Elevation: 65	80		Township:	31N			
Tolerance:		<u></u>				<u> </u>					
Location Type: Su	mmer Only		Start Da	ate (Est.):		Con	pletion D	ate:	Date In	n Opera	tion:
Formation Data:	Assume KB	= 6596 U	Jnits =				<u>'</u>				· · · · · · · · · · · · · · · · · · ·
Formation Call &		Depth	SS	Depletion	BHP	<u> </u>	1				
Casing Points		(TVD in Ft)	(Ft)	(Yes/No)	(PSIG)	BHT			Remark	S	
SURFACE CSG	,	(A) 120	6476				12-1/4 h		9 5/8" 32.3 ppf, H-40,	STC cas	ing. Circulate cement
NCMT	•	946	5650	П			to Suriac	е.			ì
DJAM		2280	4316				Possible	wate	r flows.		
KRLD		2382	4214	ō							
FRLD		3174	3422				Possible	gas.			
PCCF		3465	3131								
LEWS		3525	3071		362	5					
HURF		4242	2354	<u> </u>	M	•					
CHRA	_	4638	1958				0.2/48.44	-1-	711 20 1 FF CTC C		C:
Intermediate Casin	g.	-4738	1858	- ப			surface.	oie.	7", 20 ppf, J-55, STC C	asıng. (Circulate cement to
UCLFH		5085	1511								
CLFH		5423	1173				Gas; pos	sibly	wet		
MENF		5470	1126				Gas.				
PTLK		5769	827				Gas.				
MNCS		6265	331								
UPPER GLLP		6631	-35				Gas. Pos	-			
GRHN		7818	-1222				Gas poss	ible,	highly fractured		
GRRS		7885	-1289	Ц			_				
TWLS		7976	-1380				Gas				
PAGU		8015	-1419	00000			-	inty F	ractured.		
CBBO		8108	-1512	П			Gas				
CBRL		8137	-1541	Ц							
TD		8148	-1552	<u>_</u>					11.	_	
Reference Wells				T.A.	148						
	Well Name SJ 32-8 303			Comments 14-31N-8W		- 6656					
	OU 02-0 000			14-2114-044	-14VV, ND	- 0000					

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C. HARRADEN/ December 6, 2006 CONOCOPHILLIPS/ San Juan 32-8 Unit #30 APD STIPULATION/CONDITION OF APPROVAL

This well is located within a 'vulnerable area'. In order to protect the integrity of the fresh water alluvium aquifer, a minimum surface csg. depth of 200' is stipulated as a condition of approval for this APD.

minimum suri of approval	face csg. depth of . for this APD.	200 15 561641
37 sx 10.6 bbls 10.6 bbls 14.5 ppg 14.5 ppg 17.4 pgal/sx 17ype I-II Ready MI + 20% Fly Ash	Option 3 246 sx 115.4 bbis 648.1 cuft 2.63 ft²/sx 11.7 ppg 15.92 gal/sx Class G Cemert + 3% D079 Extender + 0.20% D046 Antifo. + 1.0 lb/bbi CemNet	135 sx 30.8 bbls 173.1 cuft 1.28 ft ³ /sx 13.5 ppg 5.255 gal/sx 50/50 Por: Class G Cei + 2% D020 Bentonite + 5.0 lb/sx D024 Gilson + 2% S001 Calcium Chi + 0.1% D046 Antifoame + 0.15% D065 Dispersa + 1.0 lb/bbl CemNet
ngth psi psi	ingth psi psi	ngth psi
Comp. Strength irs 250 psi irs 500 psi	Comp. Strength 7 hrs 50 ps hrs 350 ps hrs 450 ps	Comp. Strength 5 50 psi hrs 1250 psi hrs 1260 psi hrs 500 psi hrs 2300 psi litive
Com 6 hrs 8 hrs	Comp. Str 1:47 hrs 50 12 hrs 350 24 hrs 456	Com 2:05 4:06 12 hrs 24hrs 24hrs ant 12 hrs 13:29 24 hrs ant Additive
Option 2 76 sx 16.4 bbls 91.9 cuft 1.21 ff/sx 15.6 ppg 5.29 gal/sx Standard Cement + 3% Calcium Chloride + 0.25 lb/sx Flocele	Option 2 249 sx 115.4 bbls 648.1 cuft 2.60 ft²/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	130 sx Com 130 sx 130 sx 130.8 bbls 2:05 173.1 cuff 4:06 1.33 ft ³ /sx 12 hrs 13.5 ptg 24hrs 5.52 gal/sx 5.52 gal/sx 5.52 gal/sx 5.60 poz. Standard Cement + 2% Bentonite + 6.0 lb/sx Phenoseal 442 sx Com 11.7 bbls 9:32 626.9 cuff 12 hrs 1.45 ft ³ /sx 13:29 13.1 ptg 24 hrs 6.050 poz. Standard Cement + 3% Bentonite + 0.2% CFR-3 Friction Reducer + 0.2%
ngth psi psi	ngth psi	angth psi psi psi
Comp. Strength Irs 250 psi Irs 500 psi Flakes	Comp. Strength irs 300 psi hrs 525 psi	Stre 399 100 100
Con 6 hrs 8 hrs de de	Comp. St 9 hrs 300 48 hrs 525	Com 3:53 8:24 hrs 24 hrs 48 hrs 48 hrs 7 hrs 7 hrs 7 hrs 1 tr 1 tr 1 tr 1 tr 1 tr 1 tr 1 tr 1 tr
Option 1 79 sx Comp. 16.4 bbls 6 hrs 22 91.9 cuff 8 hrs 51 1.17 ft ³ (sx 15.8 ppg 4.973 gal/sx Class G Cement + 3% S001 Calcium Chloride + 0.25 lb/sx D029 Cellophane Flakes	INTERMEDIATE LEAD:	NTERMEDIATE TAIL.: Option 1
12.25 • 9.625 • 9.625 • 9.001 • 32.3 ppf H-40 126 %	8.75 ° 7 ° 6.456 ° 20 ppf J-55 ° 50 % ° 7.25	6.25 4.55 4.052 10.5 ppf 1-55 30 %
HOLE: CSG OD: CSG ID: WGT: GRADE: EXCESS:	HOLE: CSG OD: CSG ID: WGT: GRADE: EXCESS: TAIL:	HOLE: CSG OD: CSG ID: WGT: GRADE: EXCESS:

	Comp. Strengt 10:56 500 psi 42 hrs 1012 psi	11 75% 75% 75% 7 0.26		If the 9 5/8* surface casing is preset drilled (MOTE) will cement w/75 sx Type I-II cement w/20% Flyash mixed @ 1.61 ct/sx. Will bring cement to surface. Wait on cement for 24 hours for pre-set hole before pressure testing or drilling out. If H&P rig is used to drill the well will use 13 1/2" surface hole then will adjust cement to insure cement reaches surface.	
<u>SURFACE:</u>	INTERMEDIATE LEAD: Option 4 225 sx 115.4 bbls 1 648.1 cuft 11 11 11 11 11 12 12 1	t Extender) seal	INTERMEDIATE TAIL:	If the 9 5/8* surface casing is preset drilled (MOTE) w Wait on cement for 24 hours for pre-set hole before p will adjust cement to insure cement reaches surface.	PRODUCTION:
12.25 • 9.625 • 9.625 • 9.001 • 32.3 ppf H-40 125 %	. 42 α	6.456 • 20 ppf 1-55 50 %	3625		6.25 • 4.5 • 4.052 • 10.5 ppf J-55 90 %
HOLE: CSG OD: CSG ID: WGT: GRADE: EXCESS:	ù Ĉ	CSG ID: WGT: GRADE: EXCESS:	DEPTH	ill State of	HOLE: CSG OD: CSG ID: WGT: GRADE: EXCESS:

!

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, 3'd, & 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, & comosion inhibitor as needed

Centralizer Program:

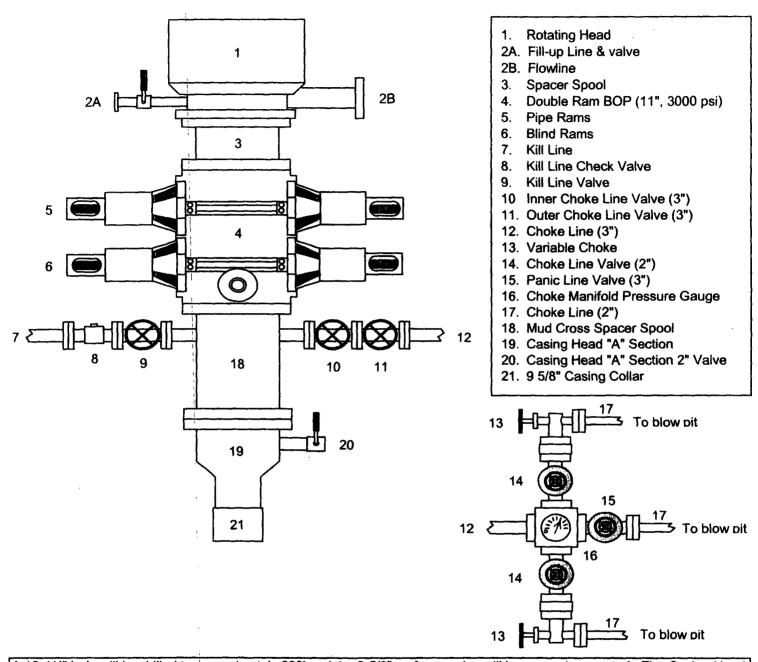
Surface: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2nd, 3rd, & 4th joints Intermediate: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2nd, 4th, 6th, 8th, &

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

BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

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



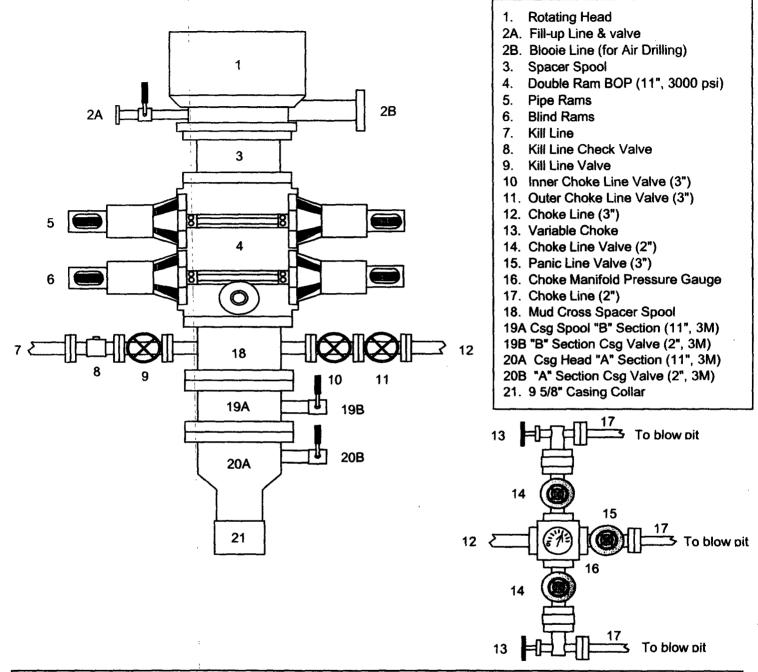
A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe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

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