UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

			" 1000 GUR 2 679 1"	1.21
a.	Type of Work	- 18678 Om	5.0Lease Number	
	DRILL		NMSF-078781	_
			Unit-Reporting N	umber
_		OCT 2008	OTO FARIAMETON	i Nad
b.	Type of Well	17	6. If Indian, All. or	Tribe ,
	GAS	No of		
	Operator		7. Unit Agreement	Name
	ConocoPhillips	E 200 200 1		
	Address & Phone No. of Operat		8. Farm or Lease Na	ame .
	PO Box 4289, Farming	ton, NM 87499		
			9. Well Number	
	(505) 326-9700	_	Bruington LS #	4M
•	Location of Well	E.	10. Field, Pool, Wild	
	Unit J (NWSE), 2075 FS	L & 2155' FWL,	Blanco MV / Ba	sin DK
	_ 000EF	. ^	_ 11. Sec., Twn, Rge,	Mer. (NMPM)
	Latitude 36° 83975'N	J. #	J Sec. 6, T30N,	R11W
	Longitude 108 ⁰ 03032'W	, ON 14	API # 30-045- 32	
4.	Distance in Miles from Nearest	Town	12. County	13. State
			San Juan	NM
5.	Distance from Proposed Location	on to Nearest Property or Lease	Line	
	450′			•
16.	Acres in Lease		17. Acres Assigned	to Well
			314.26 8/2	2 KV,
			320.45 31	2 DK
8.	Distance from Proposed Location	on to Nearest Well, Drlg, Compl,	or Applied for on this Lea	se
9.	Proposed Depth		20. Rotary or Cable	Tools
.	6898'		Rotary	10010
21.	Elevations (DF, FT, GR, Etc.) 5807′ GL		22. Approx. Date \	Work Will Start
23.	Proposed Casing and Cementing	g Program		1
	See Operations Plan			
	Lat.	111. 11	~ ,	15 100
24.	Authorized by: Talkle	y Cally to	\mathcal{A}	J466
	• • • • • • • • • • • • • • • • • • • •	tory Analyst	Date	
	IT NO.	ADDOVAL	DATE	
CLIM	IT NO.	APPROVAL	DATE	
/ PPR	OVED BY WILLIAM	lea TITLE AFM	DATE	10/6/
11 1° FW	- Million			-10/6
	eological Report submitted	a uni neté	H FOR NSL	

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

b

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

United States any false-hiszitions of transport of the control of DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS". 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

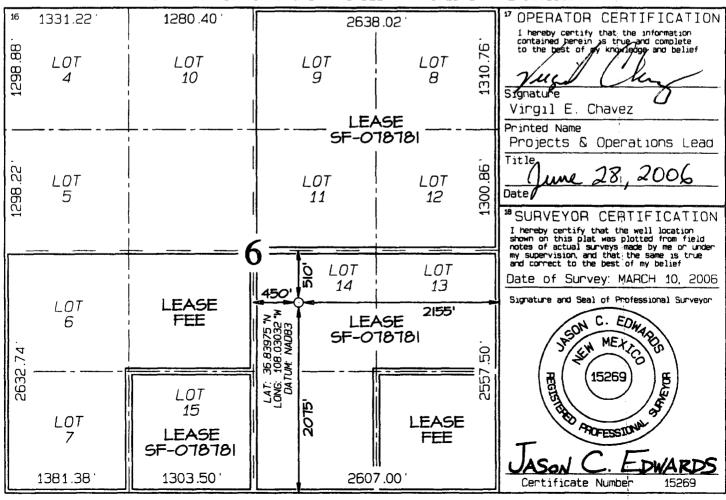
OIL CONSERVATION DIVISION PO Box 2088 Santa Fe. NM 87504-2088 Form C-102 Revised February 21, 1994 Instructions on back bmit to Appropriate District Office

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

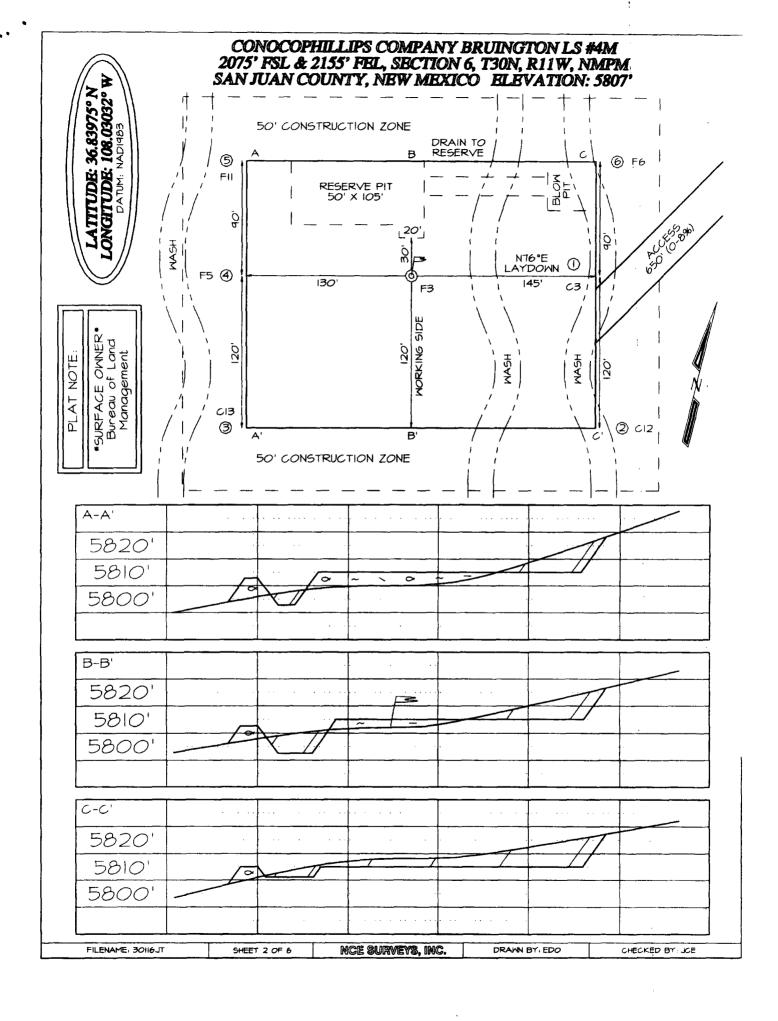
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹AP	I Number			Code	T CIN AIND.	CHEAGE DEDI	Popl Name				
30-045		377		/ 71599							
Property 3179	Code				, ,	*Property Name BRUINGTON LS				*Well Number 4M	
'OGRID No *Operator Name 217817 CONOCOPHILLIPS COMPANY							• 6	*Elevation 5807 '			
¹⁰ Surface Location											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the East/West line County				
J	6	30N	11W	14	2075	SOUTH	2155 EAST SAN JUAN				
		11	Bottom	Hole L	ocation I	f Different	From Su	rface	;		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/M	est line	County	
314.26 Acres — E/2 (MV) 320:45 Acres — S/2 (DK) 320:45											
NO ALLOW	IABLE W					ON UNTIL ALL EEN APPROVED			EEN CO	NSOLIDATED	
¹⁶ 1331.22 1280.40					263	8.02	11	17 OPERATOR CERTIFICATION I hereby certify that the information			



Submit 3 Copies To Appropriate District Office	State of New Mexico	Form C-103
District I	Energy, Minerals and Natural Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240		
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	WELL API NO. 30-045- 33877 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-078781
1220 S. St. Francis Dr., Santa Fe, NM 8750		
	ES AND REPORTS ON WELLS TO DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
DIFFERENT RESERVOIR. USE "APPLICATIO	N FOR PERMIT" (FORM C-101) FOR SUCH	Bruington LS
PROPOSALS.)		
1. Type of Well: Oil Well Gas Well X	Other	8. Well Number #4M
2. Name of Operator	Otto	9. OGRID Number
Cono	coPhillips Company	217817
3. Address of Operator	DET DARWICTON NIM 07402	10. Pool name or Wildcat
4. Well Location	EET, FARMINGTON, NM 87402	Blanco Mesaverde / Basin DK
	075' feet from the South line and	2155' feet from the <u>East</u> line
Section 6	Township 30N Rng 11V	V NMPM County San Juan
	Elevation (Show whether DR, RKB, RT, GR, etc.) 5807' GL	
Pit or Below-grade Tank Application	or Closure	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]
Pit type New Drill Depth to Groundw	rater <100' Distance from nearest fresh water well	>1000' Distance from nearest surface water >1000'
Pit Liner Thickness: 12	mil Below-Grade Tank: Volume	bbls; Construction Material
12 Charles	Appropriate Box to Indicate Nature of No	tica Papart or Other Data
NOTICE OF IN		SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK	[AL WORK ALTERING CASING
TEMPORARILY ABANDON		ICE DRILLING OPNS. P AND A
PULL OR ALTER CASING	1 —1	CEMENT JOB
OTHER: New	Drill X OTHER:	П
	ed operations. (Clearly state all pertinent details, and	give pertinent dates, including estimated date
	SEE RULE 1103. For Multiple Completions: Atta	
or recompletion.	·	
	rkover pits as per our General plan on file with the O	CD dated June 2005 and we are closing all pits as per the
November 1, 2004 Guidelines.		
I hereby certify that the information abo	ove is true and complete to the best of my knowledge	and heliaf I further contifu that any pit or helay
	ed according to NMOCD guidelines, a general permit	
4727		- Company of the control of the cont
SIGNATURE Follows	Mys TITLE Sr. 1	Regulatory Specialist DATE 6/29/2006
Type or print name Patsy For State Use Only	Clugston E-mail address: plclugstor	n@br-inc.com Telephone No. 505-326-9518
APPPROVED BY	TITLE TEPUTY OIL	B GAS INSPECTOR, DIST. DATE OCT 0 6 2006
Conditions of Approval (if any).		





PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

BRUINGTON LS 4M

Printed on: 7/3/2006 11:09:53 AM

Lease:				AFE #: WAN.CNV.6140			.6140		AFE \$:	
Field Name: NEW MEXICO-WEST			Rig: 486-0597			State: NM County: SAN JUAN			API #:	
Geoscientist: Brain, Ted H.			Phone	832-486-2	592	Prod.	Engineer: F	Piotrowicz, Greq M.	Phone: +1 832-486-3486	
Res. Engineer: Harrington, Tim R.			Phone	832-486-2	207	Proj.	Field Lead: F	ransen, Eric E.	Phone:	
Primary Objecti	ve (Zones):		Zang.							
Zone	Zone Name)								
R20002	MESAVERD	E(R20002)							•	
R20076 DAKOTA(R20076)										
A thought many thought a little of the configuration.	one way to the second proper com-			Vietin in the second	Company of the Control of the Control	· ····································				
Location: Surface	e .	Datum Co	de: NA	D 27			7		Straight Hole	
Latitude: 36.8397	50 Longit	ude: -108.0	30320	X:		Y:		Section: 6	Range: 11W	
Footage X: 2155	FEL Footag	ge Y: 2075 F	SL	Elevation:	5807	(FT)	Township: 3	ON	<u> </u>	
Tolerance:										
Location Type: Ye	ear Round		Start [oate (Est.):		Co	mpletion Date	: Date I	In Operation:	
Formation Data:	Assume KB :	= 5823	Units =	FT						
ormation Call &		Depth	SS	Depletion	n BHP	T	. [0		
Casing Points		(TVD in Ft)	(Ft)	(Yes/No)) (PSIG)	BHT	<u> </u>	Remark	KS	
Surface Casing		216	5607				12-1/4 hole to surface.	. 9 5/8" 32.3 ppf, H-40,	STC casing. Circulate cement	
DJAM		673	5150				Possible wa	ter flows.		
KRLD		943	4880	=						
RLD		1923	3900				Possible gas	5.		
PCCF		2243	3580							
LEWS		2443	3380							
Intermediate Casin	g	2543	3280				8 3/4" Hole surface.	. 7", 20 ppf, J-55, STC C	Casing. Circulate cement to	
CLFH		3933	1890				Gas; possib	ly wet		
MENF		3998	1825	=			Gas.			
PTLK		4548	1275				Gas.			
GLLP		6053	-230				Gas.			
GRHN		6543	-720				Gas possible	e, highly fractured		
TWLS		6663	-840				Gas			
PAGU		6723	-900	=			Gas. Highly		LTC and a City late assessed	
TOTAL DEPTH DK		6898	-1075				a minimum		, LTC casing. Circulate cement us casing string. No open hole face.	
Total Depth		6898	-1075				631/4#hole		9.5" . Optional Line 5.5",	
Reference Wells	3			1000.00						
Reference Type	Well Name	· · · · · · · · · · · · · · · · · · ·		Commen	ts					
Logging Program	m :									
Intermediate Logs	232 23 27 27 27 27 27 27 27 27 27 27 27 27 27	y if show 🥅	GR/ILI) Tripl	e Combo					
	- LJ 5	,								
TD Logs:	☐ Triple C	ombo 🔲 🛭	Dipmeter		☐ Sonic I	☐ v/ci	PET TDT			
			- DITIELEI	U NET	301110	اد ۷ نــــ	١٧١ ت			
Additional Informa	ation:									

Comp. Strength 8 hrs 475 psi 24 hrs 1375 psi	Comp. Strength 3 hrs 100 psi 24 hrs 443 psi	Comp. Strength 24 hrs 1850 psi 48 hrs 3411 psi ent e Extender if
Option 3	Option 3 273 sx 127.8 bbls 717.6 cuft 2.63 ft³/sx 11.7 ppg 15.92 gal/sx Class G Cement + 3% D079 Extender + 0.20% D046 Antifoam + 1.0 lb/bbl CemNet	Option 3 157 sx Com 3.8 bbls 24 hrs 2.8 bbls 24 hrs 2.00.8 cuft 48 hrs 1.28 ft²/sx 13.5 ppg 5.255 gal/sx 50/50 Poz. Class G Cement + 2% D020 Bertonite + 5.0 lb/sx D024 Gilsonite Extender + 5.0 lb/sx D024 Gilsonite Extender + 0.1% D046 Antificamer + 0.1% D046 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 2:05 50 psi 4:06 500 psi 12 hrs 1250 psi 24hrs 1819 psi nt Comp. Strength 9:32 50 psi 12 hrs 500 psi 13:29 1026 psi 24 hrs 2300 psi nt ucer Additive
Option 2 143 sx 30.8 bbls 6 172.9 cuft 1.21 ft ³ sx 15.6 ppg 5.29 gal/sx Standard Cement + 3% Calcium Chloride + 0.25 lb/sx Flocele	Option 2 276 sx 178 bbls 177.6 cuft 2.60 ft ³ /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	Option 2 3.8 bbls 2.05 2.05 2.00.8 cuft 1.33 ff/sx 1.3.7 ppg 5.5 gal/sx 5.5 gal/sx 5.60/50 Poz: Standard Cement 4.2% Bentonite 4.0 lb/sx Phenoseal 1.45 ft/sx 1.45 ft/sx 1.45 ft/sx 1.45 ft/sx 1.3.9 1.3.1 ppg 6.55 gal/sx 50/50 Poz: Standard Cement 4.78 sx 1.45 ft/sx 1.29 1.3.1 ppg 6.55 gal/sx 1.6.1 bys Phenoseal 1.6.1% HR-5 Retarder 1.6.1% HR-5 Retarder 1.6.1% HR-5 Retarder 1.6.8% Halad-9 Fluid Loss Additive 1.5.8% Halad-9 Fluid Loss Additive
Comp. Strength 6 hrs 250 psi 8 hrs 500 psi psi loride	Comp. Strength 9 hrs 300 psi 48 hrs 525 psi	Comp. Strength 3:53 500 psi 8:22 1000 psi 24 hrs 5399 psi hent phane Flakes loride Comp. Strength 7 hrs 500 psi 24 hrs 2100 psi 24 hrs 2100 psi the Extender ar Comp. Strength The 500 psi strength
Option 1 148 sx Comp. 30.8 bbls 6 hrs 22 172.9 cuft 8 hrs 56 1.17 ft ³ /sx 15.8 ppg 4.973 gal/sx Class G Cement + 3% 5001 Calcium Chloride + 0.25 lb/sx D029 Cellophane Flakes	INTERMEDIATE LEAD:	NTERMEDIATE TAIL.: Option 1
9625 1 9007 1 32.3 ppf H-40 125 %	8.75 " 6.456 " 20 ppf 1-55 150 %	6.25 " 4.55 " 4.55 " 11.6 ppf N-80 50 %
CSG DECENTION OF THE PROPERTY	HOLE: CSG OD: CSG ID: WGT: GRADE: EXCESS: TAIL: DEPTH:	HOLE: CSG OD: CSG ID: WGT: GRADE: GRADE: DEPTH:

:

	Comp. Strength 10:56 500 psi 42 hrs 1012 psi ss G Cement phane Flakes	
	Option 5 342 sx Com 1278 bbls 10:56 { 717 6 cuft 42 hrs 2:10 ff³/sx 11.7 ppg 11.7 ppg 11.7 ppg 11.724 gall/sx 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 psi er)	
SURFACE:	INTERMEDIATE LEAD: Option 4 249 xx 249 xx 127.8 bbts 717.6 cuft 2.88 ft³/sx 11.5 ppg 16.85 galfsx Standard Cement + 3% Econolite (Extender) + 10 lb/sx Phenoseal + 10 lb/sx Phenoseal	PRODUCTION:
12.25 " 9.625 " 9.001 " 32.3 ppf H-40 125 %	8.75 " 6.456 " 20 ppf J-55 150 %	6.25 " 4.5 " 4.5 " 11.6 ppf N-80 50 %
HOLE: CSG OD: CSG ID: WGT: GRADE: EXCESS:	HOLE: CSG OD: CSG 1D: WGT: GRADE: EXCESS: TAIL: DEPTH:	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, 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, 8.

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

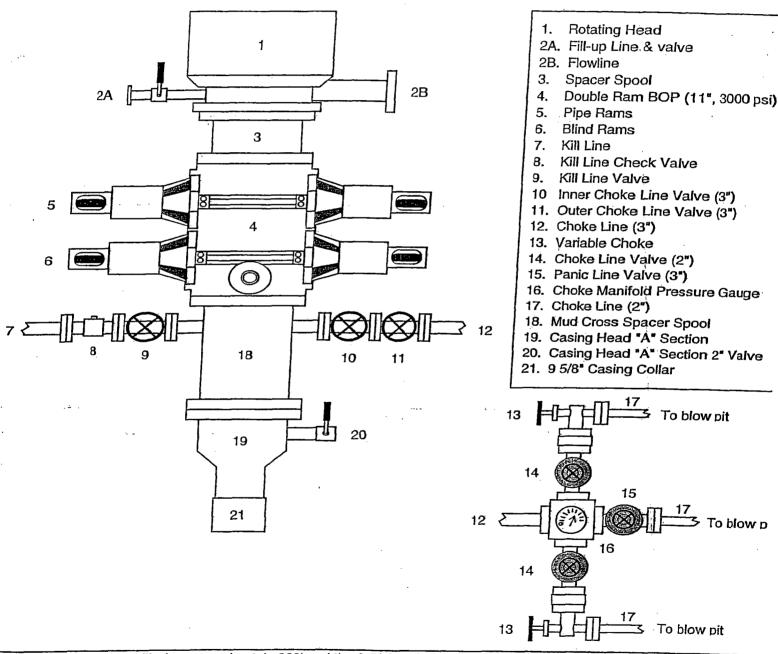
Centralizer Program:

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, 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

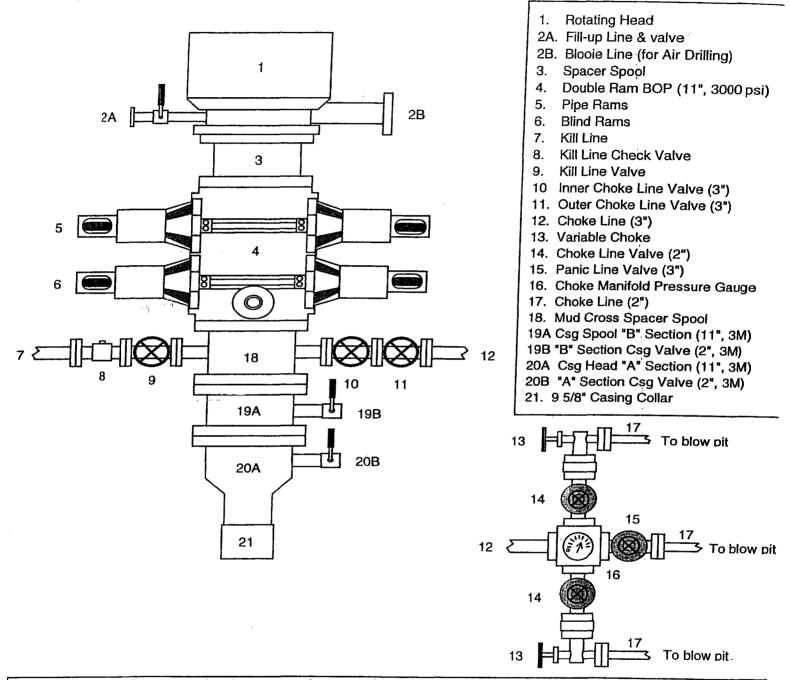


A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A est plug will be set in the wellhead and the pipe rams and choke manifold will be tested to 200 psi to 300 psi (low pressure est) 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" asing will be pressure tested against closed blind rams to 200 psi to 300 psi for 10 minutes and to 1000 psi for 30 ninutes (this value is one 44% of the minimum internal yield pressure of the 9-5/8" casing). (Note: per regulatory equirements we will wait on cement at least 8 hrs after placement before testing the 9-5/8" surface casing). Then an 8-3/4" ole will be drilled to intermediate casing point and 7" intermediate casing will be run and cemented.

Laddition to the equipment in the above diagram the following equipment will comprise the POD acceptance

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