DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RCVD DEC7'06 OIL CONS. DIV.

P

UNITED STATES

а.	Type of Work DRILL	5. Lease Number (1995 1997 11 11 NMSF-078999
		Unit Reporting Number RECEI
	NMN	Unit Reporting Number REDEI M -6784み(B - DK NMNM -07842)A- 6. If Indian, All. or Tribe
b.	Type of Well GAS	6. It indian, All. or Tribe 19 1 200 190
<u>.</u>	Operator	7. Unit Agreement Name
	ConocoPhillips	
		San Juan 31-6 Unit
	Address & Phone No. of Operator	8. Farm or Lease Name
	Po Box 4289, Farmington, NM 87499	
	() 006 0-00	9. Well Number
	(505) 326-9700	#16 F
١.	Location of Well	10. Field, Pool, Wildcat
-	Unit M (SWSW), 855' FSL & 410' FWL,	Basin Dakota / Blanco MV
	- FF 0C00/W	11. Sec., Twn, Rge, Mer. (NMPM)
		\ Sec. 33, T31N, R06W, NMPM
	Longitude 107° 28.5135'W	API # 30-039- 29904
4.	Distance in Miles from Nearest Town	12. County 13. State
		Rio Arria NM
5.	Distance from Proposed Location to Nearest Property or Lease Lin	100
6.	410 [*] Acres in Lease	17. Acres Assigned to Well
0.	Acres III Lease	DK & MV 320 W/2
8.	Distance from Proposed Location to Nearest Well, Drlg, Compl, or	Applied for on this Lease
9.	Proposed Depth	20. Rotary or Cable Tools
	8054'	Rotary
1.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
	6473' GL	
23.	Proposed Casing and Cementing Program	
	See Operations Plan attached	
	$\left(\begin{array}{c} 1 \\ 1 \end{array} \right)$	-111
4.	Authorized by: Takey Cluston	5/8/16
→.	Sr. Regulatory Analyst	Date
ERMI	T NO APPROVAL DA	ATE
1 DDD-	OVED BY TITLE Action	1011
APPRO	VED BY Jun lovato IIILE te in	DATE 12 16/0
\ robo	ological Report attached	7
TCHAE	mental Assessment is attached	

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE BUBLEOT TO COMMIT, ANDERWITH A TRACHED TRACHED TO COMMIT AND WITH A TRACHED

United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

g 13/13/06 NMOCD

District I PC 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 Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION PO Box 2088

Santa Fe, NM 87504-2088 2006 PMY 11

AMENDED REPORT

RECEIVED

RCVD DECTOS OIL CONS. DIV.

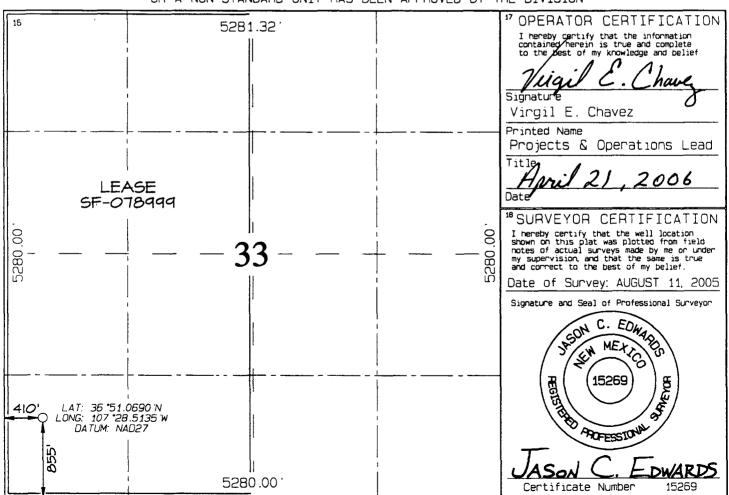
WELL LOCATION AND ACREAGE ODED TO ATTON PLATA

DIST. 3

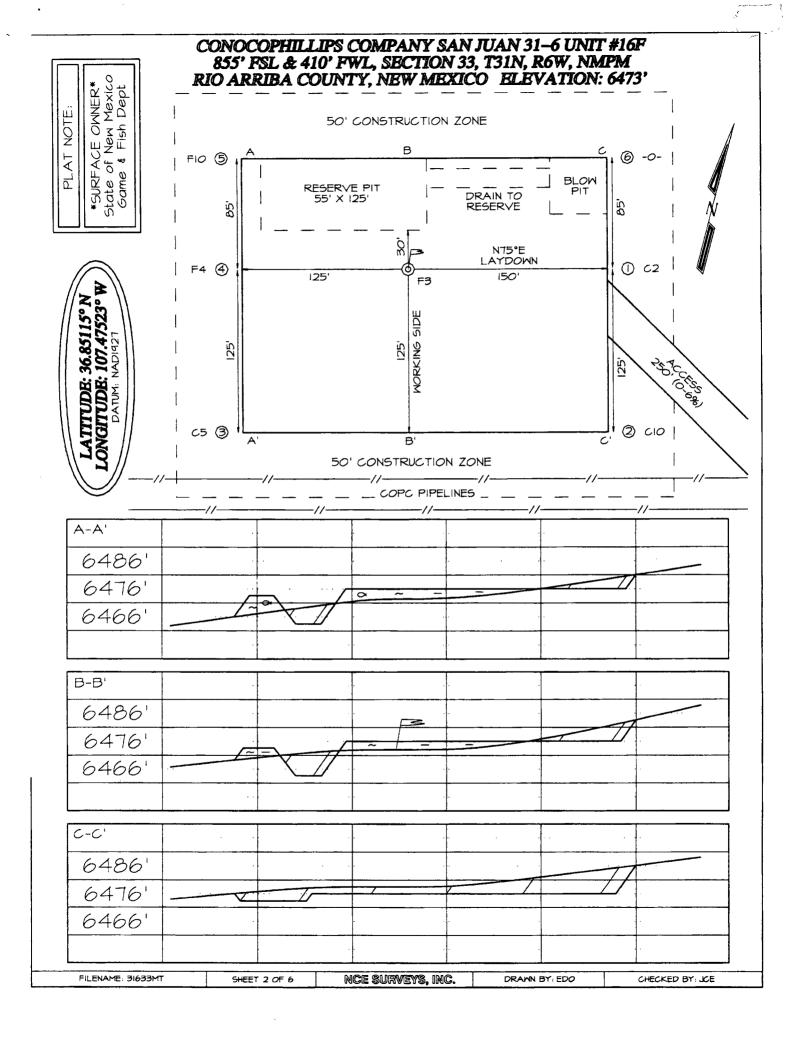
'API Number	*Pool Code	³Pool Name			
30-039-29	904 72319 \ 71599	BLANCO MESAVERDE \ B.	ASIN DAKOTA		
Property Code		³Property Name	*Well Number		
31328	Ç	SAN JUAN 31-6 UNIT	16F		
'OGRID No.		*Operator Name			
217817	CO	NOCOPHILLIPS COMPANY	6473		

UL or lot no Sect ion Township Lot Idn Feet from the North/South line Feet from the East/West line County RIO 33 31N 855 SOUTH 410 WEST 6W ARRIBA ¹¹ Bottom Hole Location If Different From Surface Ut or lot no. Sect ion Township Lot Idn Feet from the North/South line Feet from the East/West line County Range ¹³ Joint or Infill 12 Dedicated Acres ¹⁴ Consolidation Code ¹⁵ Order No. 320.0 Acres - W/2(MV) 320.0 Acres - W/2 (DK)

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 Distri Office District I	Sta	nte of New Mexico		m C-103 ay 27, 2004
1625 N. French Dr., Hobbs, NM 8824 District II	0 Energy, M	inerals and Natural Resour	WELL API NO. 30-039- 299	
1301 W. Grand Ave., Artesia, NM 882		ON 5. Indicate Type of Lease		
District III	1220	STATE FEE		
1000 Rio Brazos Rd., Aztec, NM 874 <u>District IV</u>	10 S	anta Fe, NM 87505	6. State Oil & Gas Lease No. NMSF-078999	
1220 S. St. Francis Dr., Santa Fe, NM		CG ON WELL G		
(DO NOT USE THIS FORM FOR PROPOS	TICES AND REPORT SALS TO DRILL OR TO DE		7. Lease Name or Unit Agreement Name	
DIFFERENT RESERVOIR. USE "APPLIC	ATION FOR PERMIT" (FO	RM C-101) FOR SUCH	San Juan 31-6 Unit	
PROPOSALS.) 1. Type of Well:			8. Well Number	
Oil Well Gas Well	X Other		#16F	
2. Name of Operator	ConocoPhillips Compan	nv	9. OGRID Number 217817	
3. Address of Operator			10. Pool name or Wildcat	
4. Well Location	STREET, FARMINGT	ON, NM 8/402	Basin DK / Blanco MV	
Unit Letter M :	855 feet from			1
Section 33	Townsl	hip 31N Rng hether DR, RKB, RT, GR, etc.	6W NMPM County Rio A	mioa
Pit or Below-grade Tank Application	or Closure	6473' GL		
Pit type New Drill Depth to Gro		istance from nearest fresh water w	ell <1000' Distance from nearest surface water	>1000'
Pit Liner Thickness: 12		v-Grade Tank: Volume	bbls; Construction Material	1000
NOTICE O PERFORM REMEDIAL WORK TEMPORARILY ABANDON	CK Appropriate Bo F INTENTION TO PLUG AND ABA CHANGE PLANS	: REM	f Notice, Report or Other Data SUBSEQUENT REPORT OF: MEDIAL WORK MENCE DRILLING OPNS. P AND A	SING
PULL OR ALTER CASING	MULTIPLE COM	⊢	SING/CEMENT JOB	L
	MULTIPLE COM	IPL CAS	SING/CEMENT JOB	
OTHER: 13. Describe proposed or com	New Drill pleted operations. (Cle	IPL	SING/CEMENT JOB	
OTHER: 13. Describe proposed or come of starting any proposed was or recompletion. The pit will be constructed and the starting are proposed was also become a starting any proposed was also become and the starting are proposed with the starting and the starting are proposed or come of starting any proposed or come of starting and starti	New Drill pleted operations. (Cle york). SEE RULE 1103	MPL X OTHER CAS X OTHER Carly state all pertinent details 3. For Multiple Completions: ith Rule 50 and as per the Nor	SING/CEMENT JOB JER: , and give pertinent dates, including estimated date	
OTHER: 13. Describe proposed or composed or composed was a proposed was a propos	New Drill pleted operations. (Cle york). SEE RULE 1103 closed in accordance wi reference to the propose	APL X OTH- early state all pertinent details 3. For Multiple Completions: ith Rule 50 and as per the Noved wellhead. The dirll pit will plete to the best of my knowled.	SING/CEMENT JOB JER: , and give pertinent dates, including estimated date Attach wellbore diagram of proposed completion vember 1, 2004 guidelines. See the attached diagram	
OTHER: 13. Describe proposed or composed or composed was a proposed was a propos	New Drill pleted operations. (Cle york). SEE RULE 1103 closed in accordance wi reference to the propose	APL X OTH- early state all pertinent details 3. For Multiple Completions: ith Rule 50 and as per the Noved wellhead. The dirll pit will plete to the best of my knowled.	RER: , and give pertinent dates, including estimated date Attach wellbore diagram of proposed completion vember 1, 2004 guidelines. See the attached diagram I be lined. The drill pit will be closed after the well it edge and belief. I further certify that any pit or below- tit X or an (attached) alternative OCD-approved plan	
OTHER: 13. Describe proposed or composed or composed or completion. The pit will be constructed and details the location of the pit in completed. I hereby certify that the information grade tank has been/will be constructed or SIGNATURE Type or print name	New Drill pleted operations. (Cle york). SEE RULE 1103 closed in accordance wi reference to the propose	APL X OTH Case of the part of the North Art of the A	RER: , and give pertinent dates, including estimated date Attach wellbore diagram of proposed completion vember 1, 2004 guidelines. See the attached diagram is be lined. The drill pit will be closed after the well is edge and belief. I further certify that any pit or below- it X or an (attached) alternative OCD-approved plan	has been
OTHER: 13. Describe proposed or composed or composed or completion. The pit will be constructed and details the location of the pit in completed. I hereby certify that the information grade tank has been/will be constructed of SIGNATURE	New Drill pleted operations. (Clevork). SEE RULE 1103 closed in accordance with the proposed according to NMO	APL X OTHER Case A STATE AND A STATE AN	RER: , and give pertinent dates, including estimated date Attach wellbore diagram of proposed completion vember 1, 2004 guidelines. See the attached diagram I be lined. The drill pit will be closed after the well it edge and belief. I further certify that any pit or below- tit X or an (attached) alternative OCD-approved plan Sr. Regulatory Analyst DATE 5/8	has been





PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 31-6 16F

Lease:			AFE #: WAN.CNV.6				/.6207				AFE \$:	
Field Name: 31-6 Rig			Rig: H&P 283				State: NM County: RIO ARRIBA			RRIBA	API #:	
Geoscientist: Glaser, Terry J F			Phone:	(832)486-23	32	Prod. E	ingineer:	Mood	y, Craig E.		Phone:	486-2334
Res. Engineer: To	mberlin, Timo	thy A	Phone:	(832) 486-23	328	Proj. F	ield Lead:	Frans	en, Eric E.		Phone:	
Primary Objecti	re (Zones):											
Zone	Zone Name											
R20002	MESAVERDE	(R20002)										
R20076	DAKOTA(R20	076)										
		Datum Cod	ia: Kint									
Location: Surface		ide: -107.47				V. 0.0			Section: 33			traight Hole
atitude: 36.85115	·			K: 0.00		Y: 0.0			Section: 33		K	ange: 6W
Footage X: 410 FV	VL FOOTAG	e Y: 855 FSL		Elevation: 64	/3 ((FT) ⁻	Township:	31N				
Folerance:		درو د خصوص و در	Church Do	/5-1).						D. t. T.		
ocation Type: Su				te (Est.):			pletion Da			Date In	Operation	on:
	Assume KB =	: 6489	Jnits = 1	FT 	,, 							
ormation Call & asing Points		Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	ВНТ				Remarks		
urface Casing		216	6273	(168).16)	(, 525)	l	13-1/2" h	nole. 9	5/8" 32.3 ppf	, H-40, S	STC casi	ng. Circulate
_				_			cement to					•
CMT		1389	5100				Danaible .					
JAM		2589	3900				Possible v	water 11	ows.			
rld Rld		2689	3800 3360				Possible o	226				
CCF		3129 3429	3060				LO33IDIC (Jas.				
EWS		3629	2860									
ntermediate Casing	3	3729	2760	Ä			8 3/4" Ho	ole. 7",	20 ppf, J-55,	STC Cas	sing. Ci	rculate cement t
				_			surface.	·			•	
HRA		4579	1910				C	-: - - - - - - - - - - - - -				
LFH ENF		5399	1090				Gas; poss Gas.	sidiy we	: C			
LIVI TLK		5439 5684	1050 805				Gas.					
NCS		5934	555				Gus.					
LLP		7049	-560	H			Gas. Pos	sibly w	et.			
RHN		7704	-1215	\Box				•	hly fractured			
ВВО		7899	-1410				Gas					
OTAL DEPTH DK		8054	-1565				a minimu	m of 10		previous	casing	ng. Circulate cen string. No open
Reference Wells	1											
Reference Type	Well Name			Comments								
Logging Program		i i f abau .	CD/IID	□ Trink	Combo		1				-	
Intermediate Logs	· L Log only	ii snow [GR/ILD	Triple	COMBO							

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PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 31-6 16F

Additional Information:								
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks			

Comments:

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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, 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, & 4th joints

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

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, &

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, 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, &

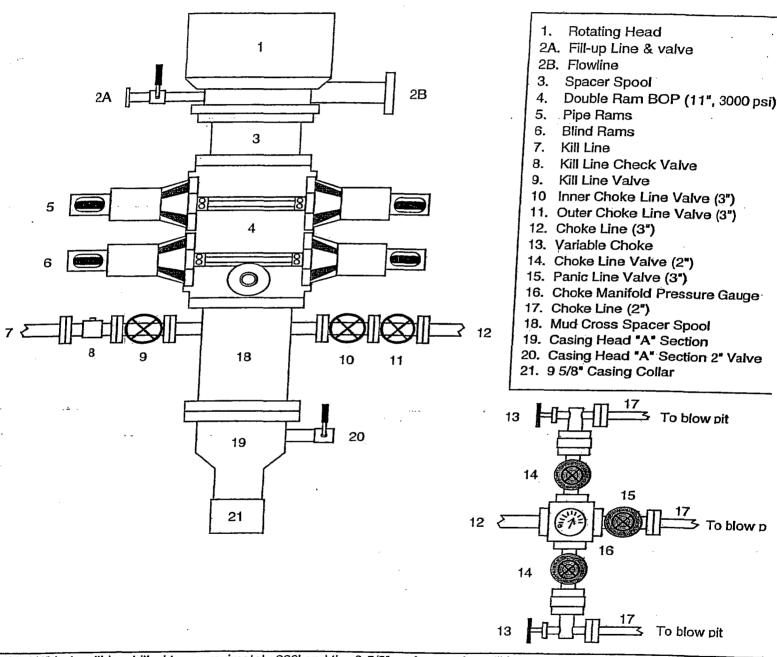
10th joints

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

	Comp. Strength 3 hrs 100 psi 24 hrs 443 psi	Comp. Strength 24 hrs 1850 psi 48 hrs 3411 psi at	
	Option 3 408 sx 191.3 bbis 1074.3 cuft 2.63 ft ³ /sx 11.7 ppg 15.92 gal/sx Class G Cement + 3% D079 Extender + 0.20% D046 Antifroam + 1.0 lb/bbl CemNet	Option 3 227 sx Com 227 sx Com 51.6 bbls 24 hrs 290.0 cuft 48 hrs 1.28 ft²sx 13.5 ppg 5.256 gal/sx 50/50 Poz: Class G Cement + 2% D020 Bentonite + 5.0 lb/sx D024 Galsonite Extender + 2% S001 Calcium Chloride + 0.1% D046 Antifoamer + 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 2:05 50 psi 4:06 50 psi 12 hrs 1250 psi 24hrs 1819 psi ent	Comp. Strength 9.32 50 psi 12 hrs 500 psi 13.29 1026 psi 24 hrs 2300 psi ent ducer
Option 2 214 sx 46.2 bbls 259.5 cuft 1.21 ft ³ /sx 15.6 ppg 5.29 gal/sx Standard Cement + 3% Calcium Chloride + 0.25 lb/sx Flocele	Option 2 413 ex 1913 bbs 1974.3 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 2 218 sx 51.6 bbls 29.0 cuft 1.3 ft/sx 11.3 pg 5.52 gal/sx 50/50 Poz: Standard Cement + 2% Bentionite + 6.0 lb/sx Phenoseal	475 sx Com 122.8 bbls 9:32 68-32 cuff 12 hrs 1.45 ft ³ kx 13:29 13.1 ppg 24 hrs 6.55 gallsx 50/50 Poz: Standard Cement + 3% Bentonite + 0.2% CFR-3 Friction Reducer + 0.1% HR-5 Relarder + 0.1% HR-5 Relarder + 0.8% Halad-9 Fluid Loss Additive + 3.5 lb/sx Phenoseal
Comp. Strength 6 hrs 250 psi 8 hrs 500 psi psi noride	Comp. Strength 9 hrs 300 psi 48 hrs 525 psi n	Comp Strength 3:53 500 psi 8:22 1000 psi 24 hrs 3170 psi 48 hrs 5399 psi ment pphane Flakes lioride	Comp. Strength 7 hrs 500 psi 24 hrs 2100 psi ment pphane Flakes site ss ant
SURFACE: Option 1 222 sx Comp. 46.2 bbls 6 hrs 2 259.5 cuft 8 hrs 5 1.17 ft³sx 15.8 ppg 4.973 gallsx Class G Cement + 3% S001 Calcium Chloride + 0.25 lb/sx D029 Cellophane Flakes	Option 1 Option 1 395 sx 1995 sx 1913 bbls 1074.3 cuft 2.72 ft³lsx 11.7 ppg 15.74 gal/sx Class G Cement + 3% D079 Extender + 0.20% D046 Antiform + 10 lb/sx Phenoseal	NTERMEDIATE TAIL: Option 1	479 sx Comp. 122.8 bbls 7 hrs 5i 689.3 cuft 24 hrs 5i 689.3 cuft 24 hrs 2i 1.4 ft ³ /sx 13.0 ppg 6.47 gal/sx 50/50 Poz: Class G Cement + 0.25 lb/sx D029 Cellophane Flakes + 3.0 bb/sx D024 Gilsonite Extender + 0.25% D045 Tisul Loss + 0.25% D045 Tisul Loss + 0.25% D045 Tisul Loss + 0.15% D080 Retarder + 0.1% D800 Retarder + 0.1% D800 Retarder + 0.1% D800 Retarder + 0.1% D805 Pispersant + 3.5 lb/sx Phenoseal
13.5 " <u>\$1</u> 9.625 " 9.001 " 32.3 ppf H-40 125 %	8.75 " 8.75 " 6.456 " 2.0 ppf 1-55 150 %	6.25 " 4.5 " 11.6 ppf PR	50 % 8054]·
HOLE: CSG OD: CSG DD: CSG DD: WGT: GRADE: EXCESS:		HOLE: CSG OD: CSG D: WGT: GRADE:	EXCESS: DEPTH:
50 770			

	Comp. Strength 10:56 500 psi 42 hrs 1012 psi	ss G Cement phane Flakes		
	Option 5 512 sx 191.3 bbls 1074.3 cuft	2.10 ft ³ /sx 11.7 ppg 11.724 gal/sx 75% Type XI / 25% Class G Cement + 0.25 lb/sx D029 Cellophane Flakes + 3% D079 Extender + 0.20% D046 Antifram		
	Comp. Strength 1:47 50 psi 12 hrs 350 psi	24 hrs 450		
SURFACE:	INTERMEDIATE LEAD: Option 4 373 sx 191.3 bbls 1074.3 cuft	2.88 ft³/sx 11.5 ppg 16.85 gal/sx Standard Cement + 3% Econolite (Extender) + 10 lb/sx Phenoseal	INTERMEDIATE TAIL:	PRODUCTION:
13.5 " 9.625 " 9.001 " 32.3 ppf H-40 125 %		8.75 " 7 " 6.456 " 20 ppf J-55 150 %	3729	6.25 " 4.5 " 4.5 " 11.6 ppf N-80 50 %
HOLE: CSG OD: CSG ID: WGT: GRADE: EXCESS:		HOLE: CSG OD: CSG ID: WGT: GRADE: EXCESS:	TAIL: DEPTH:	HOLE: CSG OD: CSG DD: WGT: GRADE: EXCESS:

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

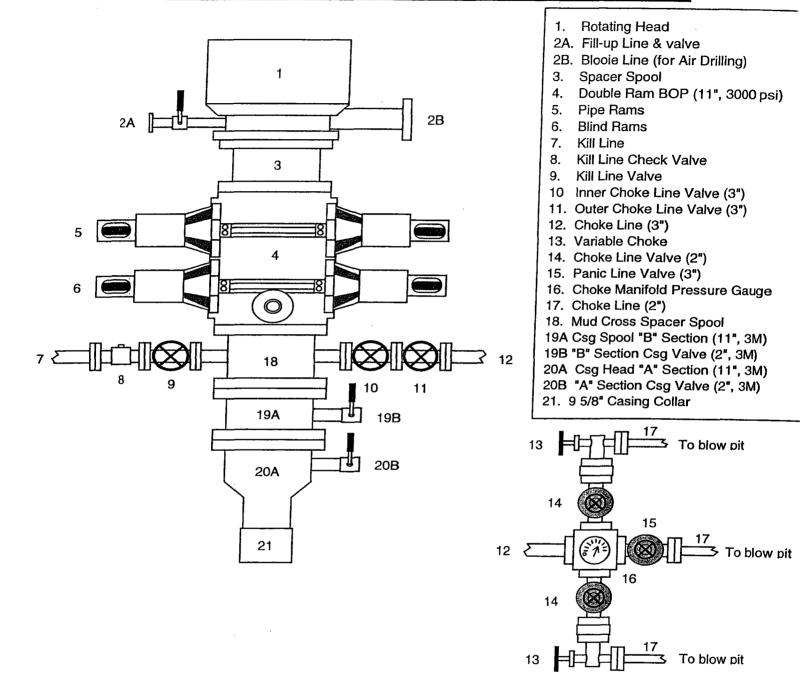


A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head 'A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A est plug will be set in the wellhead and the pipe rams 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" casing 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" sole will be drilled to intermediate casing point and 7" intermediate casing will be run and cemented.

a 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