

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD APR 7 '08

OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	2008 DEC 1 PM 2 31 RECEIVED 070 FARMINGTON NM	5. Lease Number SF-080854 Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator ConocoPhillips		7. Unit Agreement Name San Juan 32-8 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 9. Well Number #29
4. Location of Well Unit F (SWNE), 2298/N 1865/W Unit G 2515/N 1825/E Latitude 36° 54.7707087" N Longitude 107° 38.4877760" W		10. Field, Pool, Wildcat Blanco Mesaverde, Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) F Sec. 11, T31N, R8W API # 30-045- 34093
14. Distance in Miles from Nearest Town 35 Miles Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1565'		
16. Acres in Lease	17. Acres Assigned to Well 320.00 acres E/2	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease		
19. Proposed Depth 6159'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6593' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>James J. Jones</u> Regulatory Specialist	Date <u>12/1/2006</u>	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY Wayne Townsend TITLE Acting AFM DATE 9/4/08

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.

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

APR 10 2008

NMOCD

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

NOTIFY AZTEC OGD 24 HRS.
PRIOR TO CASING & CEMENT

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies
4:01
REC'D
210 FALLEN ST. N
SANTA FE, NM 87505
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ APT Number 30-045 - 34093		² Pool Code 72319/71599		³ Pool Name Blanco MESAVERDE/Basin Dakota	
⁴ Property Code 31330		⁵ Property Name SAN JUAN 32-8 UNIT			⁶ Well Number 29
⁷ OGRID No. 217817		⁸ Operator Name CONOCOPHILLIPS COMPANY			⁹ Elevation 6660

¹⁰ SURFACE LOCATION

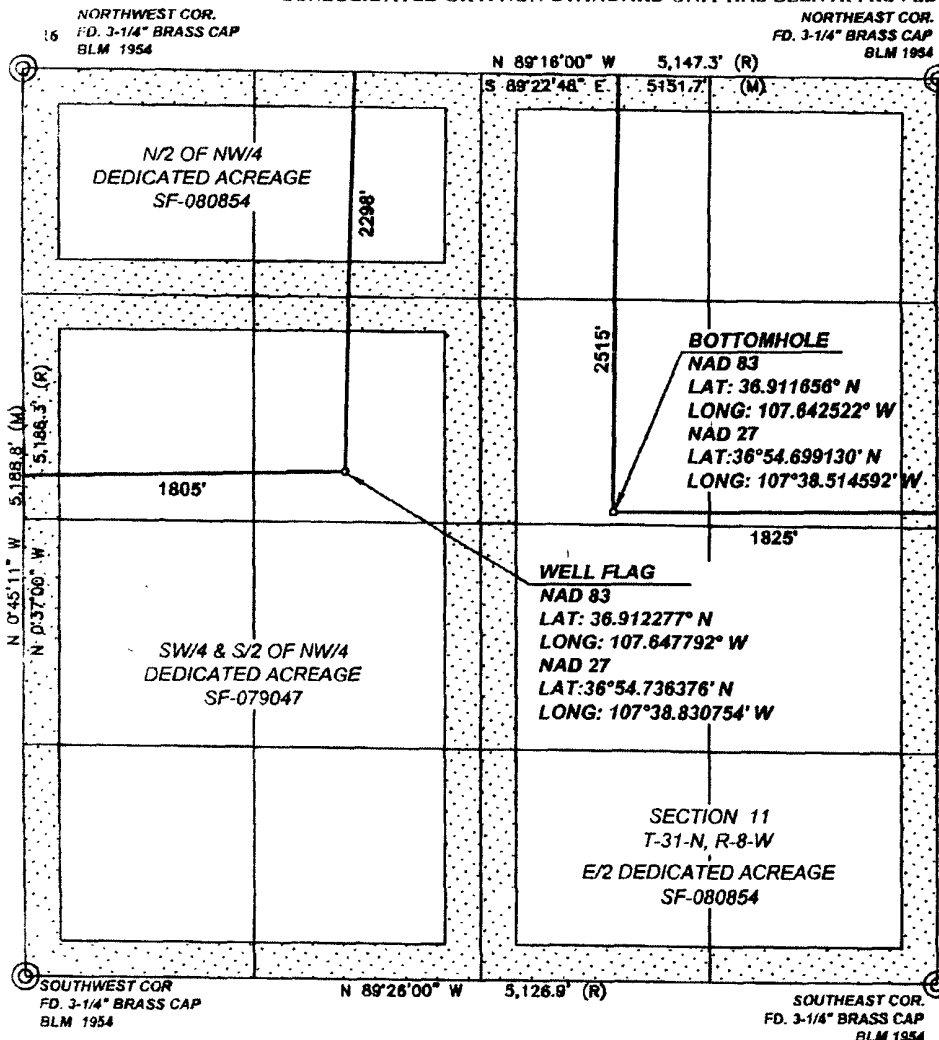
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	11	31-N	8-W		2298	NORTH	1805	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	11	31-N	8-W		2515	NORTH	1825	EAST	SAN JUAN

¹² Dedicated Acres 320 E/2	¹³ Joint or Infill	¹⁴ Consolidation Code	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



17 OPERATOR CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom 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 heretofore entered by the division.	
<i>Rhonda Rogers</i> Signature	
Rhonda Rogers Printed Name	
Regulatory Technician Title and E-mail Address	
8-7-07 Date	
18 SURVEYOR CERTIFICATION	
I hereby certify that the well location shown on this plat was plotted from field 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.	
Date of Survey: 5/30/07 Signature and Seal of Professional Surveyor:	
Certificate Number: NM 11393	

State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.

30-045- 34093

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease SF-080584

7. Lease Name or Unit Agreement Name

San Juan 32-8 Unit

8. Well Number

#29

9. OGRID Number

217817

10. Pool name or Wildcat

Blanco Mesaverde

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐Gas Well ☒

Other

2. Name of Operator

ConocoPhillips Company

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter G

: 2298

feet from the

North

line and

1805

feet from the

West

line

Section 11

Township 31N

Rng 8W

NMPM

County

San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

6593'

Pit or Below-grade Tank Application

☐ or Closure

Pit type

New Drill

Depth to Groundwater

>100'

Distance from nearest fresh water well

>1000'

Distance from nearest surface water

1200

<1000'

Pit Liner Thickness:

12

mil

Below-Grade Tank:

Volume

4400

bbls;

Construction Material

Synthetic

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐PULL OR ALTER CASING ☐MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐P AND A ☐CASING/CEMENT JOB ☐

OTHER:

New Drill ☒OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

ConocoPhillips proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on ConocoPhillips' interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be lined pits as detailed in ConocoPhillips' General Plan dated June 2005 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids and that portion will be lined as per the risk ranking criteria. ConocoPhillips anticipates closing these pits according to the November 1, 2004 Guidelines.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

TITLE

Regulatory Specialist

DATE 11/10/2006

Type or print name

Juanita Farrell

E-mail address:

Deputy Oil & Gas Inspector,
District #3

Telephone No.

505-326-9567

For State Use Only

APPROVED BY

TITLE

DATE

APR 10 2008

Conditions of Approval (if any):

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD APR 7 '08

OIL CONS. DIV.

DIST. 3

2007 AUG -8 PM 4:01

Sundry Notices and Reports on Wells

1. Type of Well

GAS

2. Name of Operator

ConocoPhillips

3. Address & Phone No. of Operator

NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

Surf: Unit F (SENW) 2298' FNL & 1805' FWL, Section 11, T31N, R8W, NMPM

BH: Unit G (SWNE) 2515' FNL & 1825' FEL, Section 11, T31N, R8W, NMPM

5. Lease Number

SF-080854

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

San Juan 32-8 Unit

8. Well Name & Number

San Juan 32-8 Unit #29

9. API Well No.

30-045- 34093

11. County and State

San Juan County, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment

Type of Action

☐ Abandonment☐ Plugging☐ Casing Repair☐ Altering Casing☒ Change of Plans☐ Non-Routine Fracturing☐ Water Shut off☐ Conversion to Injection☒ Other - Move location, change plans, & add DK

13. Describe Proposed or Completed Operations

Want to move location for Surface from Unit P (~~SENE~~ ^{G SWNE}) 2111' FNL & 1565' FEL to Unit F (SENW) 2298' FNL & 1805' FWL.

Want to make this a direction drill adding the Bottom Hole of Unit G (SWNE) 2515' FNL & 1825' FEL.

Want to add the Basin Dakota.

Attached is the new plat, direction drill plan, and DD survey, TOPO, cut and fill, Pipeline plat, and driving directions.

14. I hereby certify that the foregoing is true and correct.

Signed Rhonda Rogers Rhonda Rogers Title Regulatory Technician Date 8/6/07

(This space for Federal or State Office use)

APPROVED BY Wayne Roansem Title Acting AFM Date 8/7/08

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-8 UNIT 29

DEVELOPMENT

Lease:		AFE #: WAN.CNV.7124		AFE \$:	
Field Name: 32-8		Rig: Aztec Rig 673		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead: Fransen, Eric E.	
Primary Objective (Zones):					
Zone	Zone Name				
R20002	MESAVERDE(R20002)				
R20076	DAKOTA(R20076)				
Location: Surface Datum Code: NAD 27 Deviated					
Latitude: 36.912273	Longitude: -107.647180	X:	Y:	Section: 11	Range: 008W
Footage X: 1805 FWL	Footage Y: 2298 FNL	Elevation: 6660	(FT)	Township: 031N	
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27 Deviated					
Latitude: 36.911652	Longitude: -107.641910	X:	Y:	Section: 11	Range: 008W
Footage X: 1825 FEL	Footage Y: 2515 FNL	Elevation:	(FT)	Township: 031N	
Tolerance:					
Location Type: Restricted		Start Date (Est.):		Completion Date:	
Date In Operation:					
Formation Data: Assume KB = 6674 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	216	6394	<input type="checkbox"/>		
OJO ALAMO	2355	4319	<input type="checkbox"/>		
KIRTLAND	2458	4216	<input type="checkbox"/>		
FRUITLAND	2999	3675	<input type="checkbox"/>		
PICTURED CLIFFS	3554	3120	<input type="checkbox"/>		
LEWIS	3749	2925	<input type="checkbox"/>		
Intermediate Casing	4200	2474	<input type="checkbox"/>		
HUERFANITO BENTONITE	4339	2335	<input type="checkbox"/>		
CHACRA	4728	1946	<input type="checkbox"/>		
UPPER CLIFF HOUSE	5199	1475	<input type="checkbox"/>		
MASSIVE CLIFF HOUSE	5490	1184	<input type="checkbox"/>	800	Gas; possibly wet
MENEFEE	5574	1100	<input type="checkbox"/>		Gas.
MASSIVE POINT LOOKOUT	5877	797	<input type="checkbox"/>		Gas.
MANCOS	6299	375	<input type="checkbox"/>		
UPPER GALLUP	7184	-510	<input type="checkbox"/>		
GREENHORN	7922	-1248	<input type="checkbox"/>		
GRANEROS	7979	-1305	<input type="checkbox"/>		
TWO WELLS	8085	-1411	<input type="checkbox"/>	2600	Gas
PAGUATE	8102	-1428	<input type="checkbox"/>		
UPPER CUBERO	8115	-1441	<input type="checkbox"/>		
LOWER CUBERO	8145	-1471	<input type="checkbox"/>		

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-8 UNIT 29

DEVELOPMENT

ENCINAL	8218	-1544	<input type="checkbox"/>	NOTE: Do not penetrate lower ENCN sd. In commun with BRCN.
Total Depth	8258	-1584	<input type="checkbox"/>	6-1/4" Hole. 4-1/2", 10.5/11.6 ppf, J-55 STC/LTC casing. Cement with 553 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	Negro Canyon 1	12-31N-8W-SW, KB = 6915
Intermediate	State COM 31-8 #1	2-31N-8W-SW, KB = 6616
Production	San Juan 32-8 29M	SW11-31-8 - drill in summer 2007

Logging Program:	
Intermediate Logs:	<input type="checkbox"/> Log only if show <input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo

TD Logs:	<input type="checkbox"/> Triple Combo <input type="checkbox"/> Dipmeter <input type="checkbox"/> RFT <input type="checkbox"/> Sonic <input type="checkbox"/> VSP <input type="checkbox"/> TDT <input checked="" type="checkbox"/> Other
	CBL/GR MUDLOG 100' above GRHN to TD

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

Comments: Location/Tops/Logging - TD is 40' below T/Encinal; MUDLOGGER 100' above Greenhorn to TD

Zones - MVNM031N008W11NE1 DKNM031N008W11NE1

CONOCOPHILLIPS COMPANY

SAN JUAN 32-8 UNIT 29

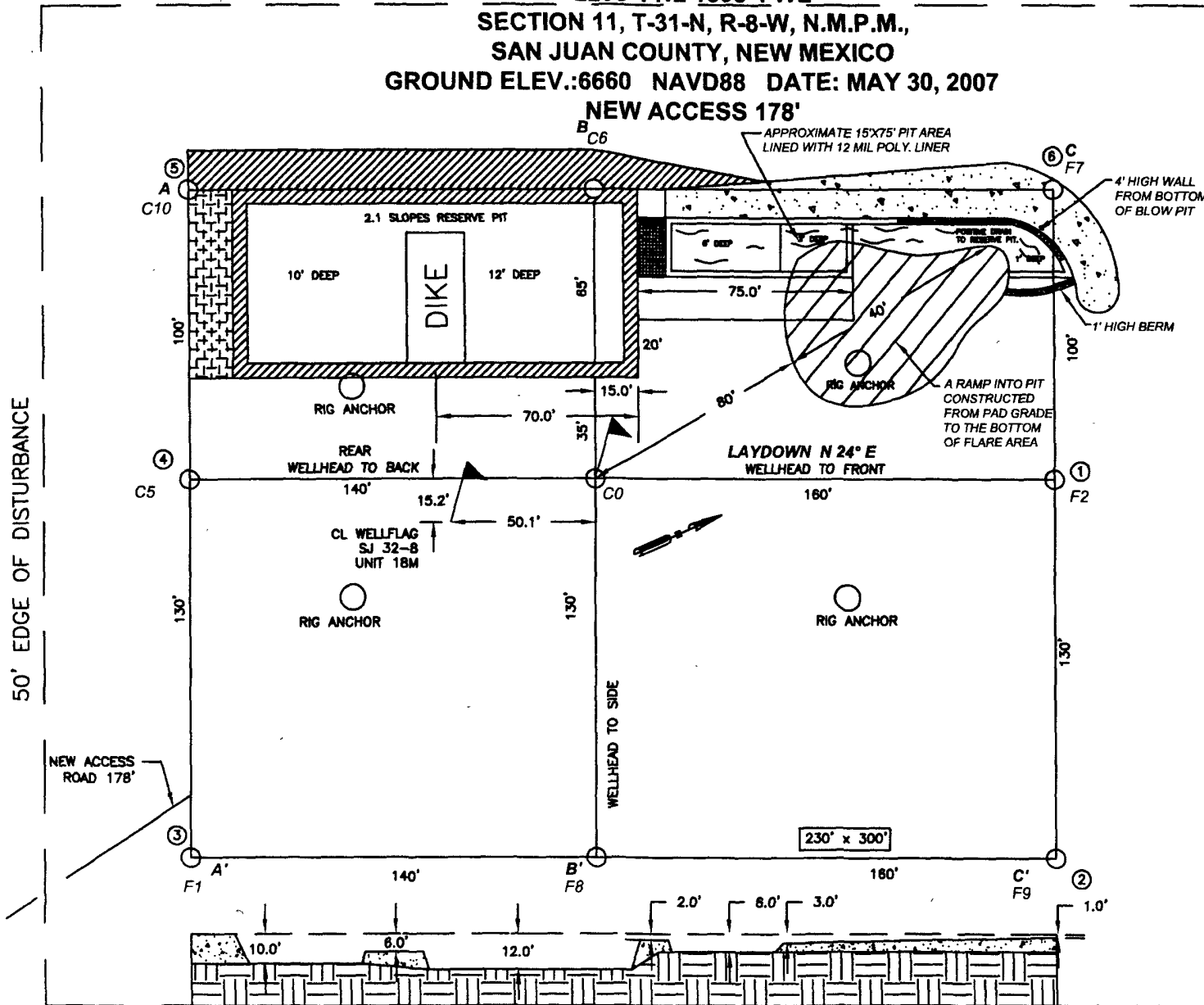
2298' FNL 1805' FWL

SECTION 11, T-31-N, R-8-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

GROUND ELEV.:6660 NAVD88 DATE: MAY 30, 2007

NEW ACCESS 178'



PIT CROSS SECTION

NAD 83 LAT.: 36.912277°N / LONG.: 107.647792°W

330' x 400' = 3.03 ACRES

NOTES:

1. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE).
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 PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

CCI

CHENAULT CONSULTING INC.

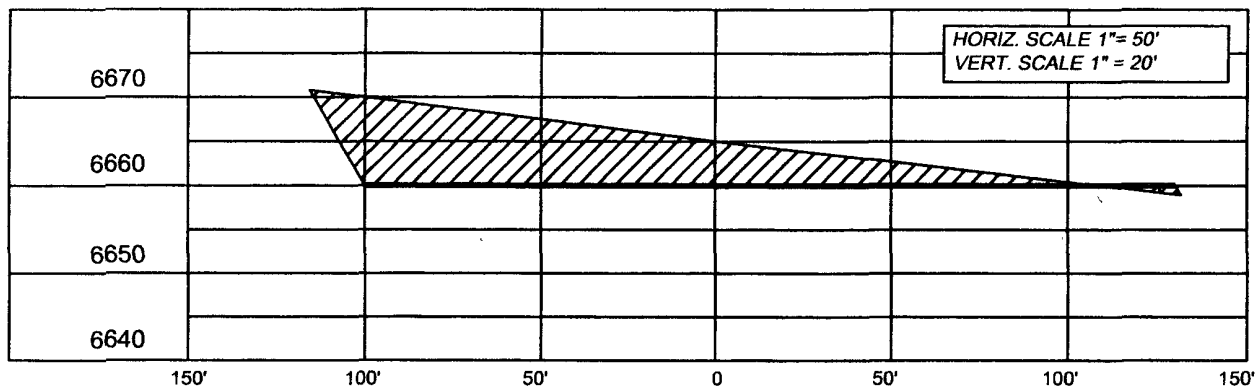
P.O. BOX 328
BLOOMFIELD, NM, 87413
PHONE (505) 327-7707

CONOCOPHILLIPS COMPANY

SAN JUAN 32-8 UNIT 29
2298' FNL 1805' FWL
SECTION 11, T-31-N, R-8-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
ELEV.: 6660 NAVD88

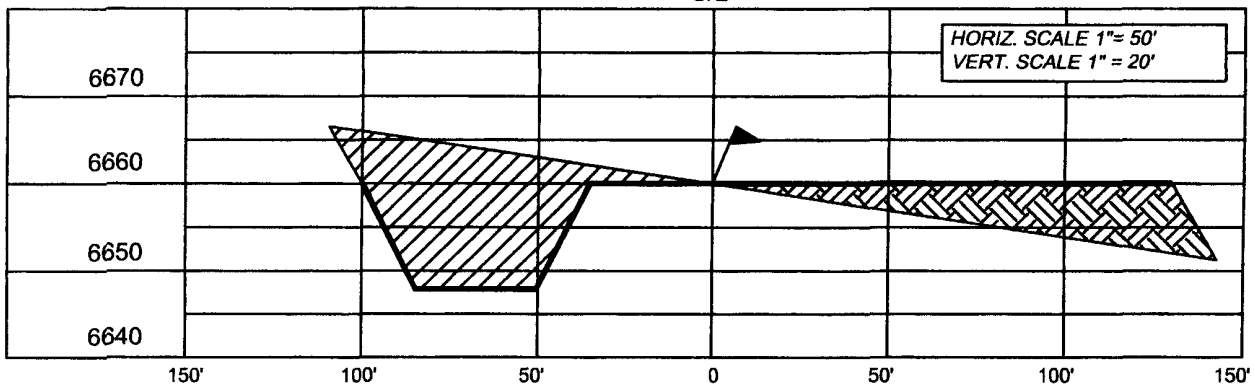
A - A'

C/L



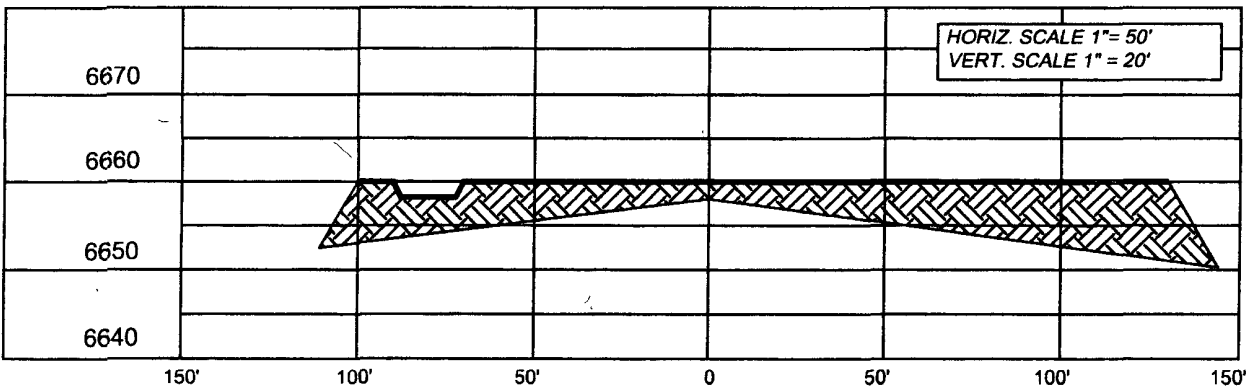
B - B'

C/L



C - C'

C/L



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

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

REVISIONS

NO.	DESCRIPTION	REVISED BY	DATE
1	ISSUE FOR REVIEW	LH	5/30/07

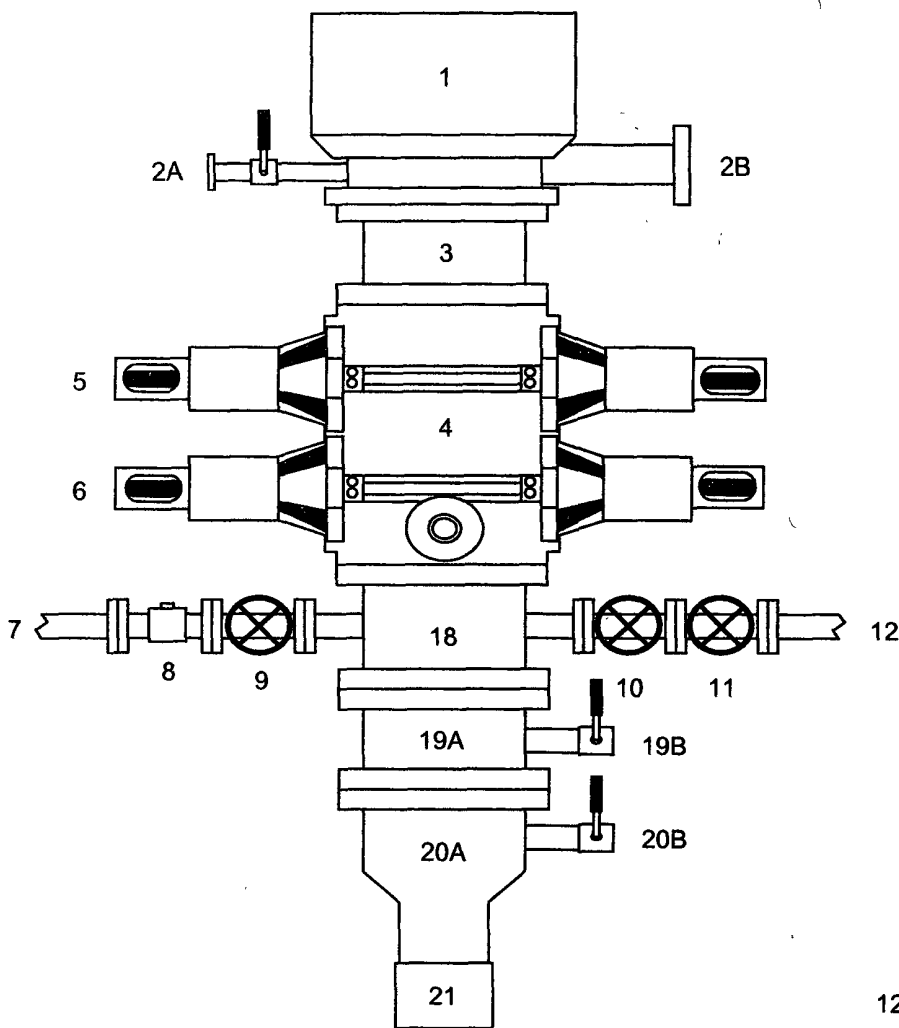
CCI

CHENAULT CONSULTING INC.

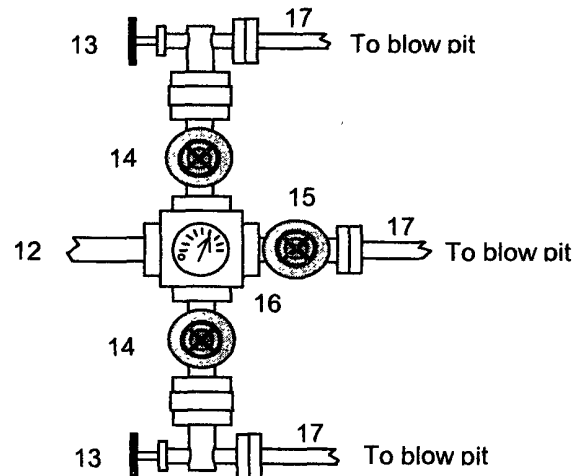
P.O. BOX 328
BLOOMFIELD, NM, 87413
PHONE: (505) 327-7707

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



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.

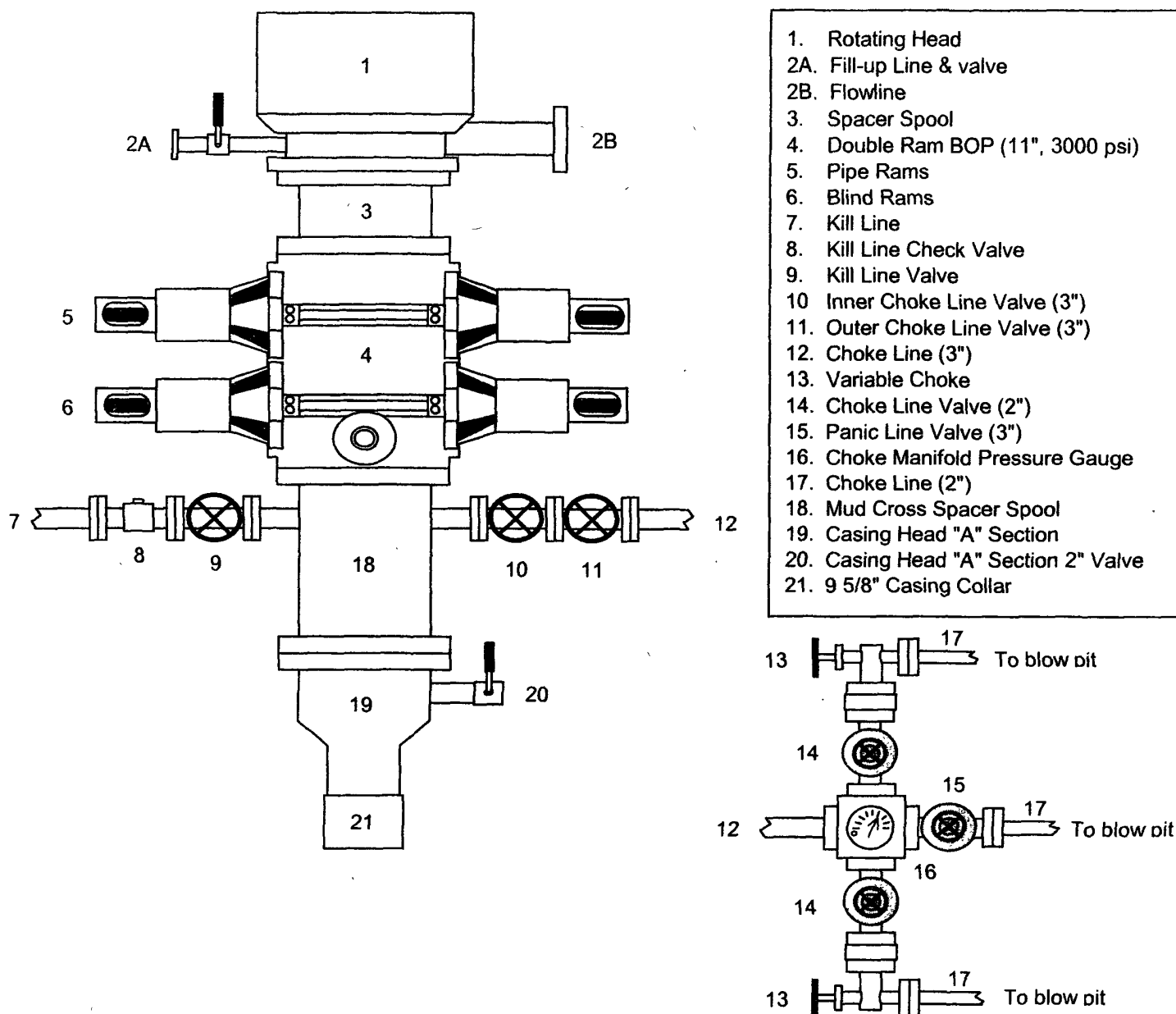
In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

1. Upper Kelly cock Valve with handle
2. Stab-in TIW valve for all drillstrings in use

Revision Date: September 1, 2004

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

Revision Date: September 1, 2004