

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OIL CONS. DIV.
Regulation 30, 30.0

DIST. 3

NM-86080

APPLICATION FOR PERMIT TO DRILL OR REENTER

2006 OCT 19 PM 3:00

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		7. If Unit or CA Agreement, Name and No.	
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zones		8. Lease Name and Well No. Latex #1-S	
2. Name of Operator DUGAN PRODUCTION CORP.		9. API Well No. 30-045-34021	
3a. Address 709 EAST MURRAY DRIVE FARMINGTON, NM 87401		10. Field and Pool, or Exploratory Basin Fruitland Coal	
3b. Phone No. (include area code) Ph: 505.325.1821 Fx: 505.327.4613		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 9, T25N, R10W NMPM	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 1745' FNL & 1595' FWL, Lat. 36.41803 N At proposed prod. zone Same as above Long. 107.90541		12. County or Parish San Juan	
14. Distance in miles and direction from nearest town or post office* Approx. 30-miles SE of Bloomfield, NM		13. State NM	
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1595 Feet	16. No. of Acres in Lease 640 Acres	17. Spacing Unit dedicated to this well N/2-320.0 Acres	
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 2200 Feet	19. Proposed Depth 1875 Feet	20. BLM/BIA Bond No. on file On File	
21. Elevations (Show whether DF, KB, RT, GL, etc.) GL-6565'	22. Approximate date work will start ASAP	23. Estimated duration 7-Days	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Kurt Fagrelus</i>	Name (Printed/Typed) KURT FAGRELIUS	Date 10-18-2006
Title GEOLOGIST		
Approved by (Signature) <i>D. Montecinos</i>	Name (Printed/Typed) AFM	Date 1/29/07
Title AFM		
Office FFO		

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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 representations as to any matter within its jurisdiction.

A water based gel-mud will be used to drill surface and production casing hole. Standard 2,000 psi BOP will be used to drill production hole. The Fruitland Coal will be completed from approximately 1715' - 1725'. The interval will be fracture stimulated.

3/3

NOTIFY AZTEC OGD
IN TIME TO WITNESS

24 hrs
cement

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

RECEIVED

070 FEB 21 2007

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34021		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 17014	*Property Name LATEX		*Well Number 1S
*OGRID No 006515	*Operator Name DUGAN PRODUCTION CORPORATION		*Elevation 6565'

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	9	25N	10W		1745	NORTH	1595	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

¹² Dedicated Acres 320.0 Acres - (N/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

<p>¹⁶</p> <p>5269.44' DUGAN NM-86080</p> <p>1745'</p> <p>1595'</p> <p>LAT: 36.41803°N LONG: 107.90541°W DATUM: NAD1983</p> <p>5300.46'</p> <p>2639.34'</p> <p>2633.40'</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Kurt Fagrelis</i> Signature</p> <p>Kurt Fagrelis Printed Name</p> <p>Geology Title</p> <p>10-18-2006 Date</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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</p> <p>Survey Date: OCTOBER 13, 2006</p> <p>Signature and Seal of Professional Surveyor</p> <p> JASON C. EDWARDS Certificate Number 15269</p>

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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 and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.	30-045-34021
5. Indicate Type of Lease	Federal <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	Federal NM-86080
7. Lease Name or Unit Agreement Name	Latex #1-S
8. Well Number	#1-S
9. OGRID Number	006515
10. Pool name or Wildcat	Basin Fruitland Coal

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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator	Dugan Production Corp.
3. Address of Operator	709 East Murray Drive, Farmington, NM
4. Well Location	Unit Letter F : 1745 feet from the north line and 1595 feet from the west line Section 9 Township 25N Range 10W NMPM County San Juan
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL-6565	
Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type Drilling	Depth to Groundwater +100 Distance from nearest fresh water well +1000' Distance from nearest surface water 200'
Pit Liner Thickness: 12 mil	Below-Grade Tank: Volume 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: Reserve Pit for drilling (lined) ☒

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.

A water based gel-mud will be used to drill surface and production casing hole. Standard 2,000 psi BOP will be used to drill production hole. The Fruitland Coal will be completed from approximately 1715' - 1725'. The interval will be fracture stimulated.

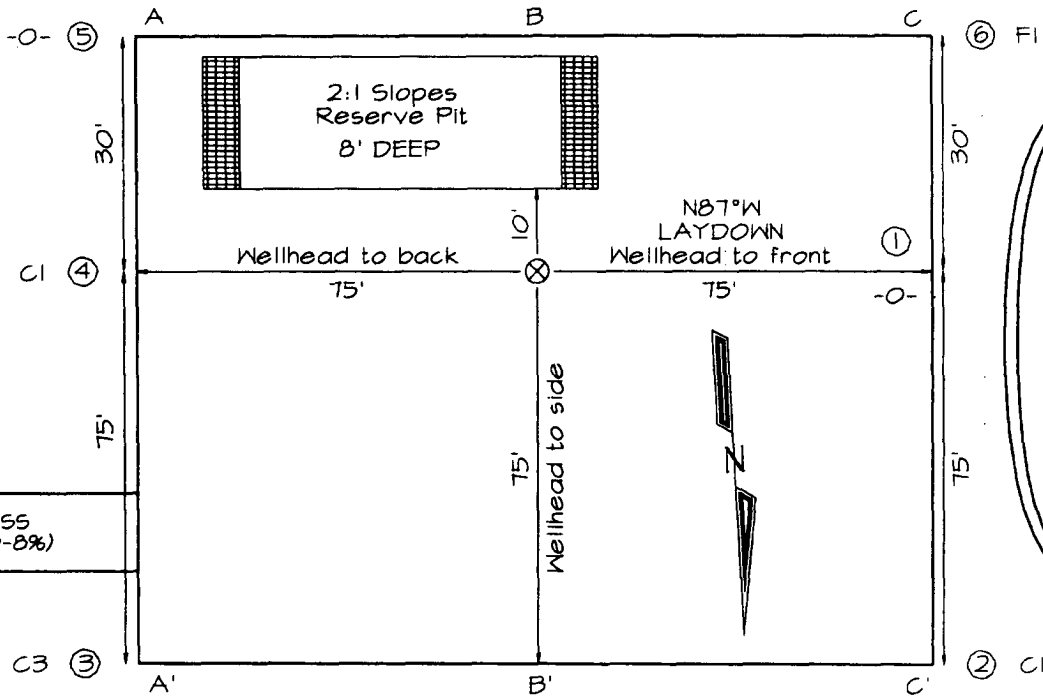
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒ a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Kurt Fagrelus TITLE Geology DATE 10-18-2006
Type or print name Kurt Fagrelus E-mail address: kfagrelus@duganproduction.com Telephone No. 505-325-1821
For State Use Only

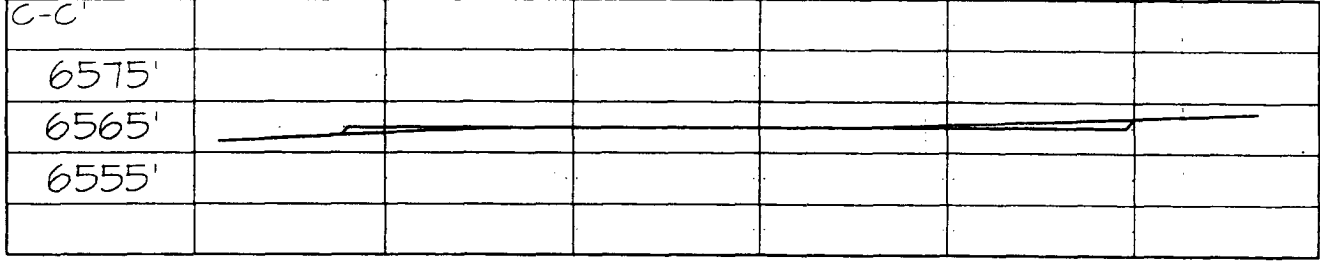
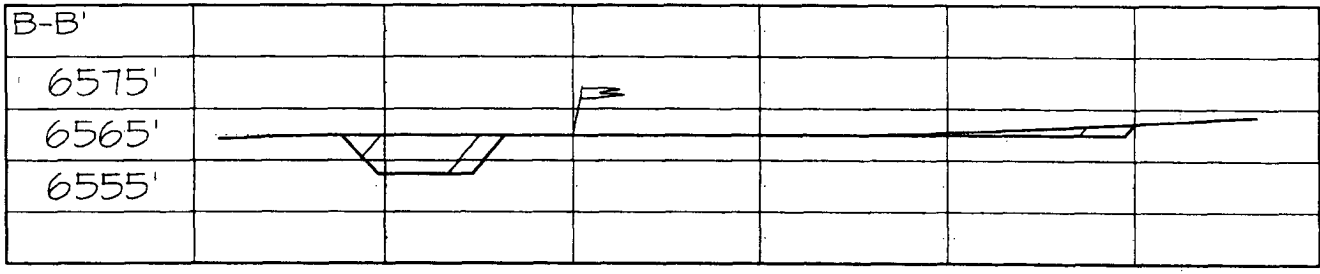
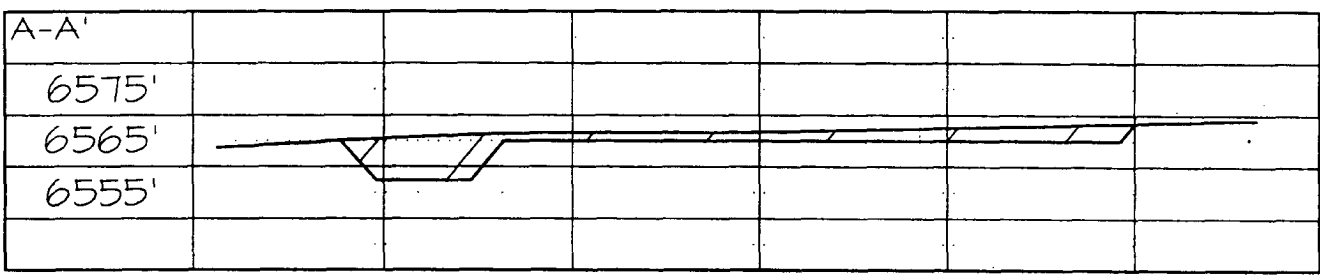
APPROVED BY: [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 8 DATE FEB 01 2007
Conditions of Approval (if any):

DUGAN PRODUCTION CORPORATION LATEX #1S
1745' FNL & 1595' FWL, SECTION 9, T25N, R10W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6565'

PLAT NOTE:
 SURFACE OWNER
 Bureau of Land
 Management



LATITUDE: 36.41803° N
LONGITUDE: 107.90541° W
 DATUM: NAD1983



Note: 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

EXHIBIT B
OPERATIONS PLAN
Latex #1-S

APPROXIMATE FORMATION TOPS:

Ojo Alamo	815'
Kirtland	940'
Fruitland	1360'
Pictured Cliffs	1725'
Total Depth	1875'

Catch samples every 10 feet from 1600 feet to total depth.

LOGGING PROGRAM:

Run cased hole GR-CCL-CNL from total depth to surface.

CASING PROGRAM:

<u>Hole</u> <u>Size</u>	<u>Casing</u> <u>Size</u>	<u>Wt./ft.</u>	<u>Setting</u> <u>Depth</u>	<u>Grade and</u> <u>Condition</u>
12-1/4"	8-5/8"	24#	120'	J-55
7"	5-1/2"	14#	1875'	J-55

Plan to drill a 12-1/4" hole and set 120' of 8-5/8" OD, 24#, J-55 surface casing. Then plan to drill a 7" hole to total depth with gel-water mud program to test the Fruitland Coal. 5-1/2", 14#, J-55 production casing will be run and cemented. Cased hole GR-CCL-CNL log will be run. Productive zone will be perforated and fractured. After frac, the well will be cleaned out and production equipment will be installed.

CEMENTING PROGRAM:

Surface: Cement to surface with 70 cf Class B + 2% CaCl₂.
Circulate to surface.

Production Stage-Cement with 175 cf 2% lodense with
1/4# celloflake/sx followed by 115 cf Class "B" with
1/4# celloflake/sx.
Total cement slurry for production stage is 290 cf
Circulate cement to surface.

An adequate spacer will be pumped ahead of the cement slurry to help prevent mud contamination of the cement. An adequate number of casing centralizers will be run through usable water zones to ensure that casing is centralized through these zones. The adequate number of centralizers will be determined based on

API standards. Centralizers to impart a swirling action around the casing will be used just below and into the base of the lowest usable water zone. These devices will assist mud displacement, increase cement bonding potential and create an effective hydraulic seal. A chronological log will be kept which records the pump rate, pump pressure, slurry density, and slurry volume for the cement job. The log will be sent to the BLM after completion of the job.

WELLHEAD EQUIPMENT:

Huber 8-5/8"x5-1/2" casing head, 1000# WP, tested to 2000#.
Huber 5-1/2"x2-7/8" tubing head, 1000# WP, tested to 2000#.

BOP and Related Equipment will include for a 2000 psi system:

(Exhibit D)

Annular preventer, double ram, or 2 rams with one being blind and one being a pipe ram.

Kill line (2" minimum)

1 kill line valve (2" minimum)

1 choke line valve

2 chokes

Upper kelly cock valve with handle available

Safety valve and subs to fit all drill string connections in use.

Pressure gauge on choke manifold.

2" minimum choke line.

Fill-up line.

Contacts:

Dugan Prod.Corp. Office & Radio Dispatch: 325-1821

Mark Brown	327-3632 (H)
	320-8247 (M)

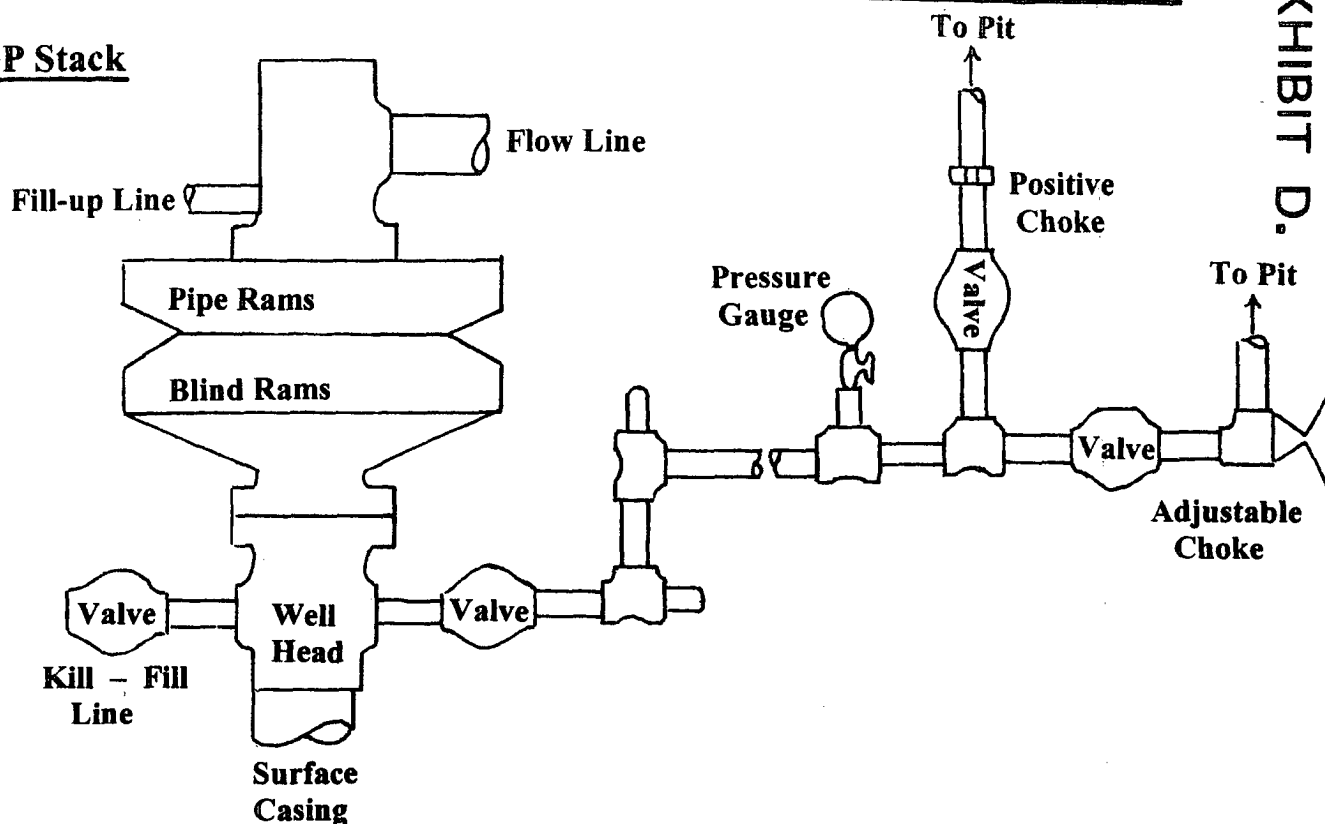
Kurt Fagrelus	325-4327 (H)
	320-8248 (M)

John Alexander	325-6927 (H)
	320-1935 (M)

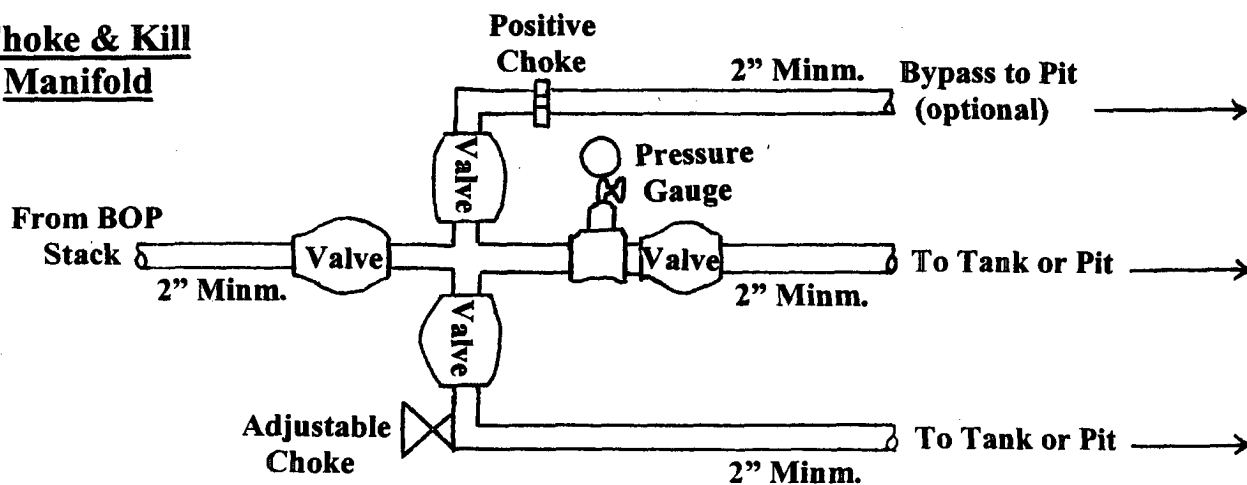
Well Control Equipment Schematic for 2,000 psi BOP

EXHIBIT D.

BOP Stack



Choke & Kill Manifold



Working Pressure for all equipment is 2,000 psi or greater

DUGAN PRODUCTION CORP.
LATEX #1-S