

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL

1b. Type of Well
GAS

2. Operator
BURLINGTON
RESOURCES OIL & GAS COMPANY, LP

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499
(505) 326-9700

4. Location of Well
1640' FSL, 1880' FEL
Latitude 36° 49.28, Longitude 107° 25.45

14. Distance in Miles from Nearest Town
15 miles from Gobernador

15. Distance from Proposed Location to Nearest Property or Lease Line
1680'

16. Acres in Lease

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease
1200'

19. Proposed Depth
3181'

21. Elevations (DF, FT, GR, Etc.)
6178' GR

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: Nancy Eltmann
Senior Staff Specialist

5. Lease Number 2004-117-4 PM 2:23
~~NMSE 080714~~ NmNm 06283
Unit Reporting Number 070 Farmington, NM

6. If Indian, All. or Tribe

7. Unit Agreement Name
San Juan 30-6 Unit

8. Farm or Lease Name
San Juan 30-6 Unit

9. Well Number
437S

10. Field, Pool, Wildcat
Basin Fruitland Coal

11. Sec, Twn, Rge, Mer. (NMPM)
J Sec. 11, T-30-N, R-6-W
API # 30-039- 27664

12. County
Rio Arriba

13. State
NM

17. Acres Assigned to Well
320 E/2

20. Rotary or Cable Tools
Rotary

22. Approx. Date Work will Start

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

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.

No notification required under Order R-8768-F

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

NMOC

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

District II
PO Drawer DD, Artesia, NM 88211-0719OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 CopiesDistrict III
1000 Rio Brazos Rd., Aztec, NM 87410District IV
PO Box 2088, Santa Fe, NM 87504-2088☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-		*Pool Code 71629	*Pool Name Basin Fruitland Coal
*Property Code 7469	*Property Name SAN JUAN 30-6 UNIT		*Well Number 437S
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 6178'

10 Surface Location

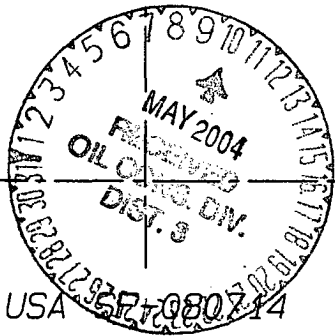

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	11	30N	6W		1640	SOUTH	1880	EAST	RIO ARriba

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 FTC-E/320	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

16 RECEIVED 20th MAR - 4 PM 2:23 070 Farmington, NM 5280.00'		5264.16' 		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <u>Nancy Oltmanns</u> Signature Nancy Oltmanns Printed Name Senior Staff Specialist Title 10-19-03 Date	
LOT 4 5280.00'		11 LOT 3 LOT 2 1000' 5280.00'		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. Survey Date: AUGUST 12, 2003 Signature and Seal of Professional Surveyor 	
TRACT 38 5268.12'		TRACT 39 150' 1640' USA NM-06283 LAT: 36°49.4615' N LONG: 107°25.7432' W DATUM: NAD27 TRACT 39 USA SF-080714 LOT 8		JASON C. EDWARDS Certificate Number 15269	

OPERATIONS PLAN

Well Name: San Juan 30-6 Unit #437S
Location: 1640' FSL, 1880' FEL, Section 11, T-30-N, R-6-W
Latitude 36° 49.28, Longitude 107° 25.45
Rio Arriba County, NM
Formation: Basin Fruitland Coal
Elevation: 6178' GR

Formation:	Top	Bottom	Contents
Surface	San Jose	2116'	
Ojo Alamo	2116'	2274'	aquifer
Kirtland	2274'	2640'	gas
Fruitland	2640'	2798'	gas
Intermediate casing	2778'		
Top of Coal	2798'	3096'	
Base of Coal	3096'		
Pictured Cliffs	3100'		
Total Depth	3181'		

Logging Program:

Open hole - none
Mud log - TD to 2778'

Coring Program: none

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud/Air/Air Mist	8.4-9.0	40-50	no control
120-2778'	Non-dispersed	8.4-9.0	30-60	no control
2778-3181'	Air/Mist			no control

Casing Program (as listed, the equivalent, or better):

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2778'	7"	20.0#	J-55
6 1/4"	2778' - 3181'	open hole		

Alternate Casing Program (as listed, the equivalent, or better):

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2778'	7"	20.0#	J-55
6 1/4"	2738' - 3181'	5 1/2"	15.5#	J-55

Tubing Program:

0' - 3181' 2 3/8" 4.7# J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing - guide shoe and self-fill float collar. Standard centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2274'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 9 5/8" x 7" x 2 3/8" x 11" 2000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing -

Pre-Set Drilled Cement with 23 sx Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (37 cu ft of slurry, bring cement to surface) Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

Conventionally Drilled:

Cement with 88 sx Type III cement with 0.25 pps Celloflake, 3% CaCl. (113 cu ft of slurry, 200% excess, bring cement to surface) Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface.

Wait on cement until cement establishes 250 psi compressive strength prior to nipple up of BOP.

7" intermediate casing - lead w/235 sacks Premium Lite cement with 3% calcium chloride, 0.25 pps Celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail with 90 sacks Type III cement with 1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss (626 cu.ft., 50% excess to circulate to surface).

5 1/2" liner - will not be cemented if run.

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

BOP and tests:

Surface to intermediate TD - 11" 2000 psi (minimum) double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test BOP and casing to 600 psi/30 min.

Intermediate TD to Total Depth - 7 1/6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to drilling out intermediate casing, test BOP and casing to 1500 psi for 30 minutes; all pipe rams and casing to 1500 psi for 30 minutes each.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional information:

- The Fruitland Coal formation will be completed.
- Anticipated pore pressure for the Fruitland is 500 psi.
- This gas is dedicated.
- The east half of Section 11 is dedicated to this well.

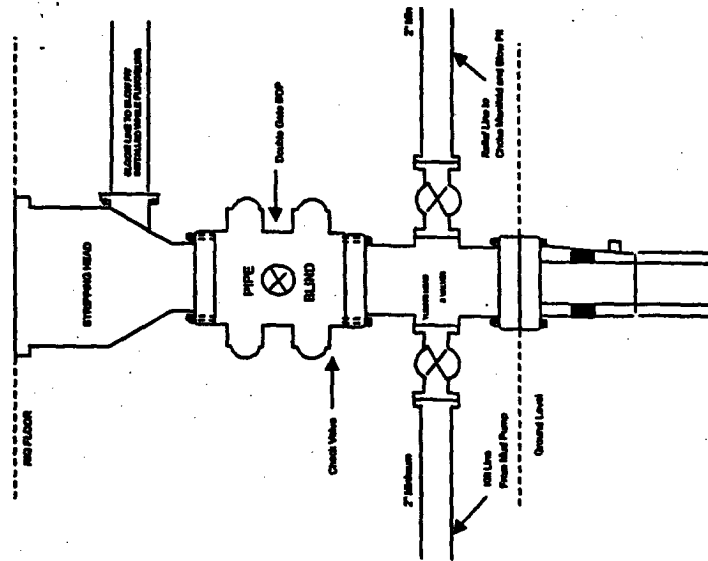
Drilling Engineer:

Jim McCarthy

Date:

FEBRUARY 11, 2004

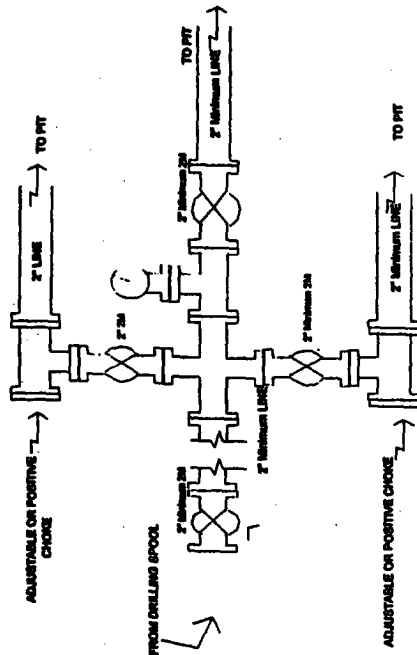
Completion/Workover Rig
BOP Configuration
2,000 psi System



Minimum BOP Installation for all Completion/Workover Operations. 7-1/16" bore, 2000 psi minimum working pressure double gate BOP to be equipped with blind and pipe rams. A stripping head to be installed on the top of the BOP. All BOP equipment is 2000 psi working pressure or greater excluding 500 psi stripping head.

Figure #2

Drilling Rig
Choke Manifold Configuration
2000 psi System

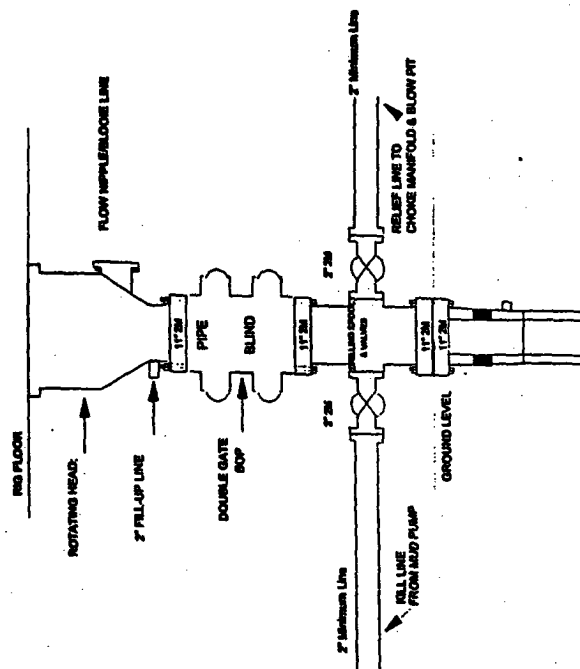


Choke manifold installation from Surface Casing Point to Total Depth. 2,000psi working pressure equipment with two chokes.

Figure #3

4-20-01

Drilling Rig
2000 psi System



BOP Installation from Surface Casing Point to Total Depth. 11" Bore 10" Nominal, 2000 psi working pressure double gate BOP to be equipped with blind rams and pipe rams. A 500 psi rotating head on top of ram preventers. All BOP equipment is 2,000 psi working pressure

Figure #1

4-20-01

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

RECEIVED

2004 APR 27 PM 3:35
Dease Number
NMSF-080714070 FARMINGTON, NM
If Indian, All. or
Tribe Name1. Type of Well
GAS

7. Unit Agreement Name

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

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

1640' FSL, 1880' FEL, Sec. 11, T30N, R6W, NMPM

8. Well Name & Number

San Juan 30-6 Unit #437S

9. API Well No.

30-039- 2 Well 4

10. Field and Pool

Basin Fruitland Coal

11. County and State

Rio Arriba Co, 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☐ Recompletion☐ Plugging Back☐ Casing Repair☐ Altering Casing☐ Other☒ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut off☐ Conversion to Injection

13. Describe Proposed or Completed Operations

The BOP configuration has been revised for the subject well according to the following and attached diagram:

BOP and tests:

Surface to intermediate TD - 11" 2000 psi (minimum) double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test BOPE to 600 psi for 30 min.

Intermediate TD to Total Depth - 7 1/6" 2000 psi (minimum) completion BOP stack (Reference Figure #2). Prior to drilling out intermediate casing, test BOPE and casing to 1500 psi for 30 minutes.

From surface to 7" TD - a choke manifold will be installed in accordance with Onshore Order No. 2 (Reference Figure #3). When the cavitation completion rig drills the production hole, the completion rig configuration will be used (Reference Figure #4).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

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

Signed Nancy Olten Title Regulatory Specialist Date 04/013/04
fsb

(This space for Federal or State Office use)

APPROVED BY /s/ David J. Mankiewicz Title _____ Date MAY - 5 2004

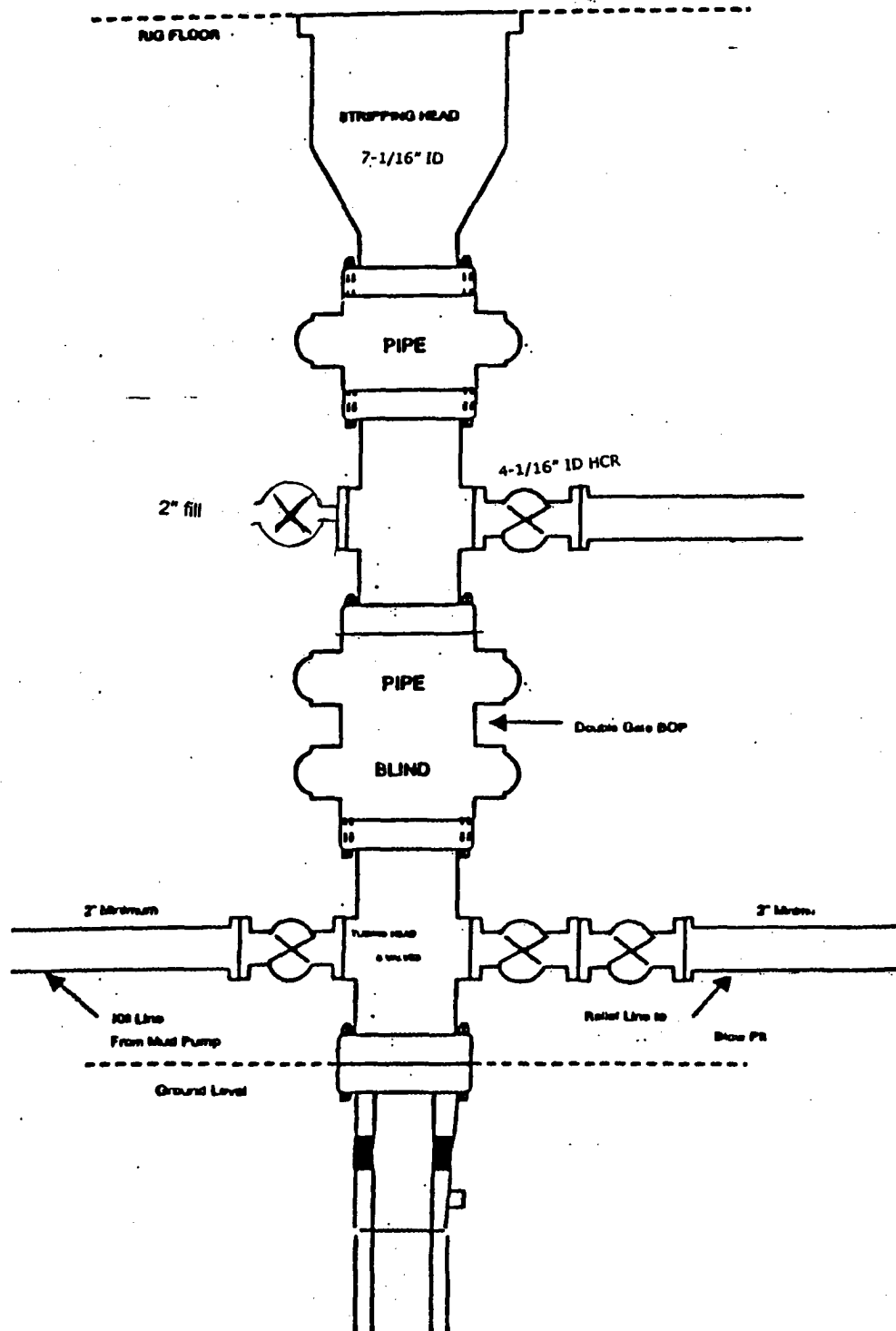
CONDITION OF APPROVAL, if any:

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 representations as to any matter within its jurisdiction.

NMOC

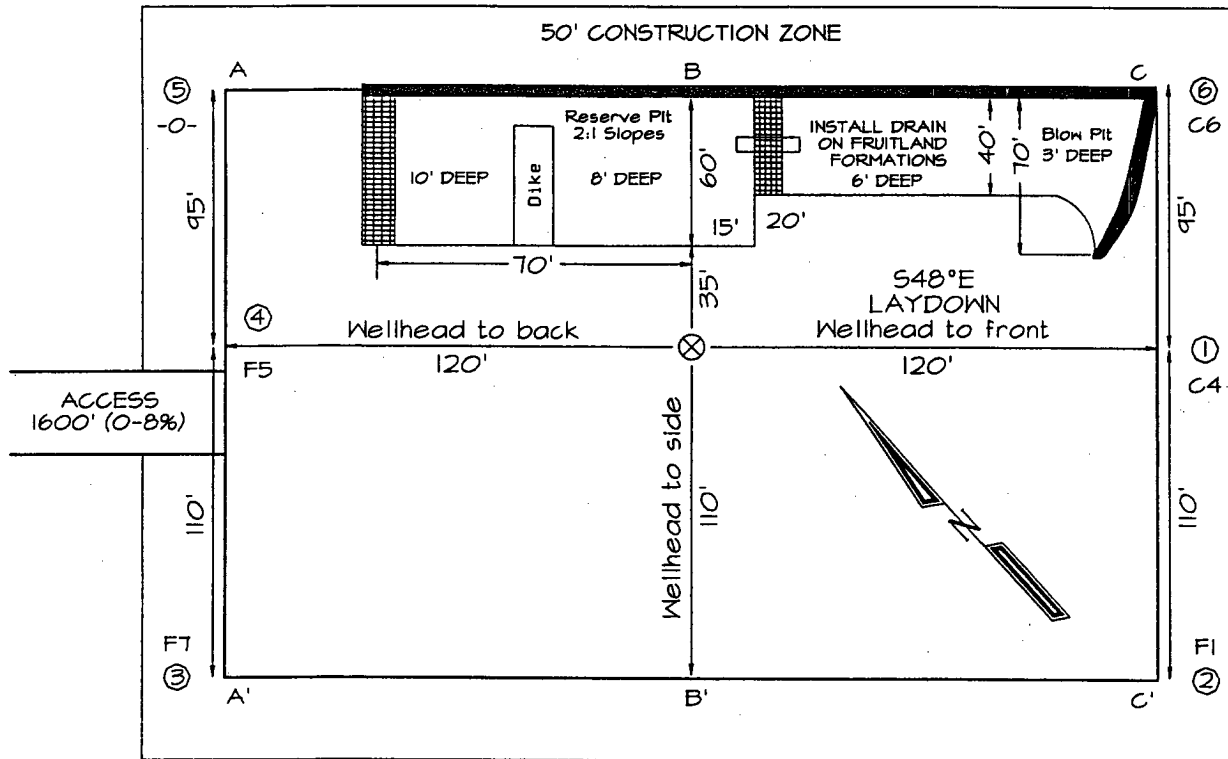
BURLINGTON RESOURCES

Figure #4
Cavitation Rig
BOP Configuration
2,000 psi Minimum System



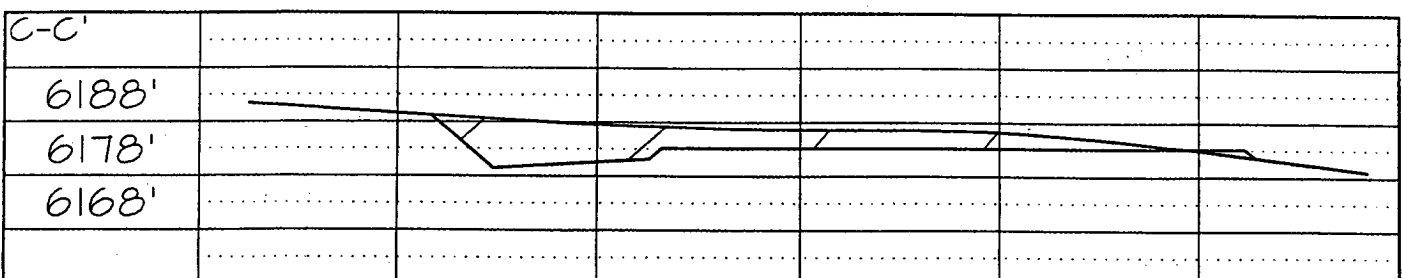
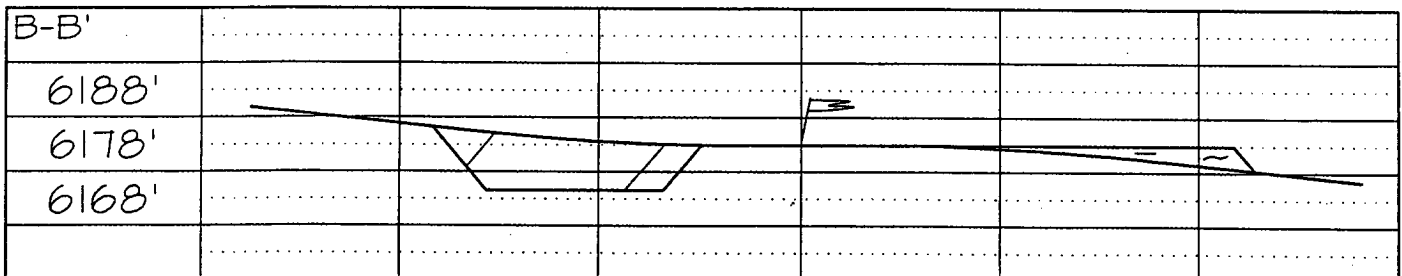
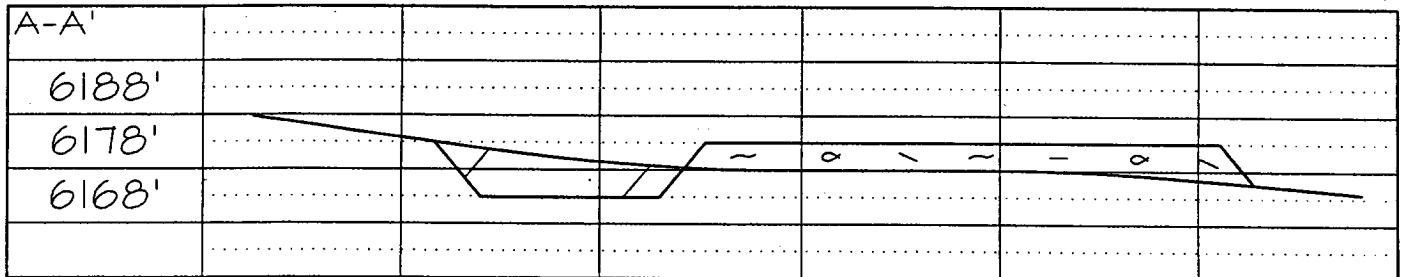
BORING FOR OIL & GAS COMPANY SAN JUAN COUNTY #4373
 1640' FSL & 1880' FEL, SECTION 11, T30N, R6W, NMPM, RIO ARriba COUNTY, NM
 GROUND ELEVATION: 6178' DATE: AUGUST 12, 2003

205' X 240' 305' X 340' = 2.38 ACRES



LATITUDE: 36°49'28"
 LONGITUDE: 107°25'45"
 DATUM: NAD1927

Reserve Pit Dike: to be 8' above Deep side (overflow - 3' wide and 1' above shallow side).
 Blow Pit: overflow pipe halfway between top and bottom and to extend over plastic liner and into blow pit.



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