$\Pi^{\mathbf{w}}$

7-7/8"

**

SUBMIT IN TRA .CATE*

(Other instructions on reverse side)

30-015-27261

5. LEASE DESIGNATION AND SERIAL NO.

975 sx tie back to 250 CIRCULATE

695 sx tie back to 2450'

TE* For

Form approved.
Budget Bureau No. 1004—0136
Expires: December 31, 1991

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT **XX**=069159 -6. IF INDIAN, ALLOTTED OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL OR DEEPEN Is. TYPE OF WORK 7. UNTY AGREEMBNY NAME DEEPEN DRILL [3] RECEIVED Big Eddy Unit b. TYPE OF WELL MULTIPLE SINGLE S. FARM OR LEASE NAME, WILL NO. WELL X TONE Big Eddy Unit #117 2. NAME OF OFBRATOR Bass Enterprises Production Company 9. API WELL NO. 3. ADDRESS AND TELEPHONE NO. 915-683-227 10. FIELD AND POOL, OR WILDCAT P.O. Box 2760, Midland, Texas 79702 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) E. Herradura - Delaware Pool 11. ABC., T., R., M., OR BLK. AND SURVEY OR ARBA 330' FWL & 330' FSL Section 25, T22S, R28E At proposed prod. some UNIT M Sec 25, T22S, R28E Same 12. COUNTY OR PARISH | 13. STATE 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE NM 5 miles NE/Loving, NM Eddy 15. DISTANCE FROM PROPUSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig, unit line, if any) 17. NO. OF ACRES ASSIGNED 16. NO. OF ACRES IN LEASE TO THIS WELL 330 40 640 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 18. DISTANCE FROM PROPOSED LOCATIONS
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 1320' 66501 rotary 22. APPROX. DATE WORK WILL START* 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3125 GLupon approval Secretary's Potash 23. PROPOSED CASING AND CEMENTING PROGRAM QUANTITY OF CEMENT SETTING DEPTH WEIGHT PER FOOT SIZE OF ROLE CRADE SIZE OF CASE 370 sx circ to surface 11-3/4" 15" 42# <u>450'</u> *

2700

6650

* Surface to be set in the Rustler Anhydrite.

8-5/8"

5-1/2"

** Intermediate to be set @ ±2700' in the Lamar Lime.

24#

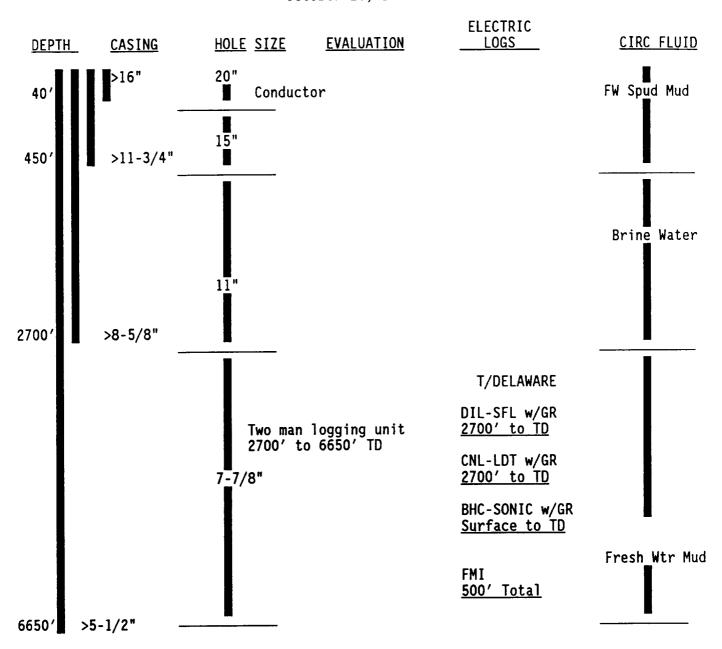
14#

and 15.5#

Drilling procedure, BOPE diagram, anticipated tops and surface use plans attached. 111 NEWWC. 7 AFT APPROVAL SUBJECT TO FIL GENERAL REQUIREMENTS AND 151 SPECIAL STIPULATIONS 1.7 nd proposed new productive zone. If proposal is to drill or IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present pro deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. DATE 10-28-92 Keith E. Bucy Div Drlg and Prod Supt SIGNED . (This space for Federal or State office use) . APPROVAL DATE Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lesse which would entitle the applicant to conduct operations thereon. CONDITIONS OF APPROVAL, IF ANY: Light Statement to the Control , t : · dons, as the colled, in all trains of lands and fastes for expression and by eliber GENERAL: This form is designed for submitting proposition to perform contain well on mil. APPROVED BY "See Instructions On Reverse Side

BIG EDDY UNIT #117

BASS ENTERPRISES PRODUCTION COMPANY
October 28, 1992



MJE:sjw

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I P.O. Box 1980, Hobbs, NM 88240 P.O. Box 2088 Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

WELL LOCATION AND ACREAGE DEDICATION PLAT

DISTRICT III 1000 Rto Brezos Rd., Aztec, NM 87410

All Distances must be from the outer boundaries of the section

Operator		7 0.0.0	Lease	5:0	FDDY UNIT		Well No.	
BASS ENTERPRISES PRODUCTION COMPANY		Υ	BIG EDDY UNIT			117		
Unit Letter Secti	25	fownship 22 SOUTH	Range	28 E	AST NM	County	EDDY	
Actual Footage Location							WEGT	
330 feet from	the SOU			330	feet f	rom the V	VEST line Dedicated Acreage:	
Ground Level Elev.	Producing Form		Pool	Harradura	- Delawar	* <u>e</u>	40 Acres	
3124.9'	Delawar	_					, o Acres	
	lease is dedicate	ed to the well, outli	ne each and ide	entify the owner	rship thereof (both as to we	orking interest and royalty).	
3. If more than one unitization, force— Yes If answer is "no" list	pooling, etc.?	If answer is "yes"	type of conso	lidation			onsolidated by communitization.	
this form necessary.	1 2 4 4	the mall unit all	nterests have	been consolie	lated (by com	munitization	n, unitization, forced-pooling,	
No allowable will be otherwise) or until	a non-standard	unit, eliminating	such interest,	has been app	roved by the D		RATOR CERTIFICATION	
				; 		containe	I hereby certify the the information of herein is true and complete to the my knowledge and bettef.	
						Printed Keit	Name h E. Bucy	
				 		Div	Drlg and Prod Supt	
	 					Date 10-2		
				1		SUR	VEYOR CERTIFICATION	
	 					on this estud s supervi	certify that the well location shown plat was plotted from field notes of surveys made by me or under my son, and that the same is true and to the best of my knowledge and	
	İ			i !		Signat	Surveyed SEPTEMBER 17, 1992 ure & Seal of	
230				+ 		1	7977 7977 7977 7977 7977 7977 7977 7977 7977 7977 7977 7977 7977	
230 660 8	90 1320 1650	1980 2310 2840	2000	1500 100	500	7,	92 12 1002	

MULTI-POINT SURFACE USE PLAN

NAME OF WELL: BIG EDDY UNIT #117

LEGAL DESCRIPTION - SURFACE: 330' FWL & 330' FSL, Section 25, T-22-S, R-28-E, Eddy County, New Mexico.

POINT 1: EXISTING ROADS

A) Proposed Well Site Location:

See Exhibit "A".

B) Existing Roads:

From Carlsbad, go east on U.S. 62-180 for approx 2 miles. Go approx 7 miles south down U.S. Refinery Road. Turn NE 1-1/2 mile. Turn NW to Big Eddy Unit #116 location, then go west 1/4 mile to the location.

C) Existing Road Maintenance or Improvement Plan:

See Exhibit "A".

POINT 2: NEW PLANNED ACCESS ROUTE

A) Route Location:

See Exhibit "B". The new road will be 12' wide and approximately 1300' long. The road will be constructed of watered and compacted caliche.

B) Width

Not applicable.

C) Maximum Grade

Not applicable.

D) Turnouts

None.

E) Culverts, Cattle Guards, and Surfacing Equipment

None.

POINT 3: LOCATION OF EXISTING WELLS

Exhibit "A" indicates existing wells within the surrounding area.

POINT 4: LOCATION OF EXISTING OR PROPOSED FACILITIES

A) Existing facilities within one mile owned or controlled by lessee/operator:

None

B) New Facilities in the Event of Production:

Additional production facilities will be installed as required.

C) Rehabilitation of Disturbed Areas Unnecessary for Production:

Following the construction of production facilities, those access areas required for continued production will be graded to provide drainage and minimize erosion. The areas unnecessary for use will be graded to blend in the surrounding topography - See Point 10.

POINT 5: LOCATION AND TYPE OF WATER SUPPLY

A) Location and Type of Water Supply

Fresh water and brine will be hauled from the city of Carlsbad. Brine water will be hauled from Champion Brine Water Station, 3.5 miles east and 2.5 miles south of Carlsbad.

B) Water Transportation System

Water hauling to the location will be over the existing and proposed roads.

POINT 6: SOURCE OF CONSTRUCTION MATERIALS

A) Materials

Existing materials will be used for road and location.

B) Land Ownership

Federally owned.

C) Materials Foreign to the Site

No construction materials foreign to this area are anticipated for this drill site.

D) Access Roads

In this area, no additional caliche is anticipated.

POINT 7: METHODS FOR HANDLING WASTE MATERIAL

A) Cuttings

Cuttings will be contained in the reserve pit.

B) Drilling Fluids

Drilling fluids will be contained in the reserve pit.

C) Produced Fluids

Water production will be contained in the reserve pit.

Hydrocarbon fluid or other fluids that may be produced during testing will be retained in test tanks. Prior to cleanup operations, any hydrocarbon material in the reserve pit will be removed by skimming or burning as the situation would dictate.

D) Sewage

Current laws and regulations pertaining to the disposal of human waste will be complied with.

E) Garbage

Portable containers will be utilized for garbage disposal during the drilling of this well.

F) Cleanup of Well Site

Upon release of the drilling rig, the surface of the drilling pad will be graded to accommodate a completion rig if testing indicates potential productive zones. In any case, the "mouse" hole and the "rat" hole will be covered. The reserve pit will be fenced and the fence maintained until the pit is backfilled. Reasonable cleanup will be performed prior to the final restoration of the site.

POINT 8: ANCILLARY FACILITIES

None required

POINT 9: WELL SITE LAYOUT

A) Rig Orientation and Layout

Exhibit "C" shows the dimensions of the well pad and reserve pits, and the location of major rig components. Only minor leveling of the well site will be required. No significant cuts or fills will be necessary.

B) Locations of Pits and Access Road

See Exhibits "A" and "C"

C) Lining of the Pits

The reserve pit will be lined with plastic.

POINT 10: PLANS FOR RESTORATION OF THE SURFACE

A) Reserve Pit Cleanup

A pit will be fenced at the time of rig release and shall be maintained until the pit is backfilled. Previous to backfill operations, any hydrocarbon material on the pit surface shall be removed. The fluids and solids contained in the pit shall be backfilled with soil excavated from the site and soil adjacent to the reserve pit. The restored surface of the pit shall be contoured to prevent impoundment of surface water flow. Water- bars will be constructed as needed to prevent excessive erosion. Topsoil, as available, shall be placed over the restored surface in a uniform layer. The area will be seeded according to the Bureau of Land Management stipulations during the appropriate season following restoration.

B) Restoration Plans - Production Developed

The reserve pit will be backfilled and restored as described above under Item A. In addition, those areas not required for production will be graded to blend with the surrounding topography. Topsoil, as available, will be placed upon those areas and seeded. The portion of the site required for production will be graded to minimize erosion and provide access during inclement conditions. Following depletion and abandonment of the site, restoration procedures will be those that follow under Item C.

C) Restoration Plans - No Production Developed

The reserve pit will be restored as described above. With no production developed, the entire surface disturbed by construction of the well site will be restored. The site will be contoured to blend with the surrounding topography and provide drainage of surface water. The topsoil, as available, shall be replaced in a uniform layer and seeded accordingly to the Bureau of Land Management's stipulations.

D) Rehabilitations Timetable

Upon completion of drilling operations, the initial cleanup of the site will be performed as soon as weather and site conditions allow economic execution of the work.

POINT 11: OTHER INFORMATION

A) Terrain

Relatively flat.

B) Soil

Caliche and sand.

C) Vegetation

Sparse, primarily grasses and mesquite with very little grass.

D) Surface Use

Primarily grazing.

E) Surface Water

There are no ponds, lakes, streams, or rivers within several miles of the wellsite.

F) Water Wells

None known

G) Residences and Buildings

None

H) Historical Sites

None observed

I) Archeological Resources

An archeological survey will be obtained for this area. Before any construction begins, a full and complete archeological survey will be submitted to the Bureau of Land Management. Any location or construction conflicts will be resolved before construction begins.

J) Surface Ownership

The well site and new access road is on Federally owned land.

- K) Well signs will be posted at the drilling site.
- L) Open Pits

All pits containing liquid or mud will be fenced and bird-netted.

POINT 12: OPERATOR'S FIELD REPRESENTATIVE

(Field personnel responsible for compliance with development plan for surface use).

DRILLING Keith E. Bucy Box 2760 Midland, Texas 79702 (915) 683-2277 PRODUCTION
Mike Waygood
1012 West Pierce, Suite F
Carlsbad, New Mexico 88220
(505) 887-7329

Keith E. Bucy Box 2760 Midland, Texas 79702 (915) 683-2277

POINT 13: CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Bass Enterprises Production Co. and it's contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

10/29/92

Keith E. Bucy

MJE:sjw

EIGHT POINT DRILLING PROGRAM BASS ENTERPRISES PRODUCTION CO.

NAME OF WELL: BIG EDDY UNIT #117

LEGAL DESCRIPTION - SURFACE: 330' FWL & 330' FSL, Section 25, T-22-S, R-28-E, Eddy County, New Mexico.

POINT 1: ESTIMATED FORMATION TOPS

(SEE NO. 2 BELOW)

POINT 2: WATER, OIL GAS AND/OR MINERAL BEARING FORMATIONS

Anticipated Formation Tops: KB 3139' (est)

GL 3125'

<u>FORMATION</u>	ESTIMATED TOP FROM KB		BEARING
T/Rustler	389′	+2750	Barren
B/Salt	2559′	+580	Barren
T/Delaware	2779′	+360	Oil/Gas
T/Lower Brushy Canyon T/Bone Spring Lime TD	6029'	-2890	Oil/Gas
	6349'	-3210	Oil/Gas
	6650'	-3511	Oil/Gas

POINT 3: CASING PROGRAM

TYPE	INTERVALS	PURPOSE	CONDITION
16"	0' - 40'	Conductor	Contractor Discretion
11-3/4" 42# H-40 ST&C	0' - 450'	Surface	New
8-5/8" 24# K-55 & S-80 ST&C	0' - 2700'	Intermediate	New
5-1/2" 14-15.5# K-55 LT&C	0' - 6650'	Production	New

See Exhibit D - (Casing Design)

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAMS)

A BOP equivalent to Diagram 1 will be nippled up on the surface casinghead. The BOP stack, choke, kill lines, kelly cocks, inside BOP, etc. will be hydro-tested to the lowest rated working pressure of the equipment being tested. In addition to the rated working pressure test, a low pressure (200 psi) test will be required. These tests will be performed:

- a) Upon installation
- b) After any component changes
- c) Thirty days after a previous test
- d) As required by well conditions

A function test to insure that the preventers are operating correctly will be performed on each trip.

POINT 5: MUD PROGRAM

DEPTH	MUD TYPE	WEIGHT FV	_	PV	<u> YP</u>	<u>FL</u>	<u>Ph</u>
0' - 450'	FW Spud Mud	8.5-9.2	35-40	NC	NC	NC	NC
450' - 2700'	BW	9.6-10.0	29-30	NC	NC	NC	NC
2700' - 6650'	FW Mud	8.6-8.8	34-40	10-14	12-18	<5	9-9.5

POINT 6: TECHNICAL STAGES OF OPERATION

A) TESTING

Drill stem tests are not anticipated.

B) LOGGING

GR-CNL-LDT, GR-DIL-MSFL run from TD (6650') to 2700', GR-Sonic run from TD (6650') to surface. FMI over Delaware Sands of interest ±500' total.

C) CORING

Rotary Sidewall Cores (25) are anticipated.

D) CEMENT

INTERVAL	AMOUNT SXS	FT OF FILL	ТҮРЕ	GALS/SX	PPG	FT/SX
Surface	370 (100% excess circ to surface)	450	Class "C" with 2% CaCl2 and 1/4 ppg Cello-Flake	6.3	14.8	1.32
Intermediate	975 (100% excess H/TOC @ 250') (See stips)	2700	Class "C" with Salt	6.3	14.8	1.32
Production	695 (25% excess)	4200	Class MCM w/additives to control water loss	10.6	13.2	1.92

E) DIRECTIONAL DRILLING

No directional services anticipated.

POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressures are anticipated throughout Delaware section.

Est BHP 2000-2400 psi, Est BHT 112 max

Lost circulation is not anticipated in this area.

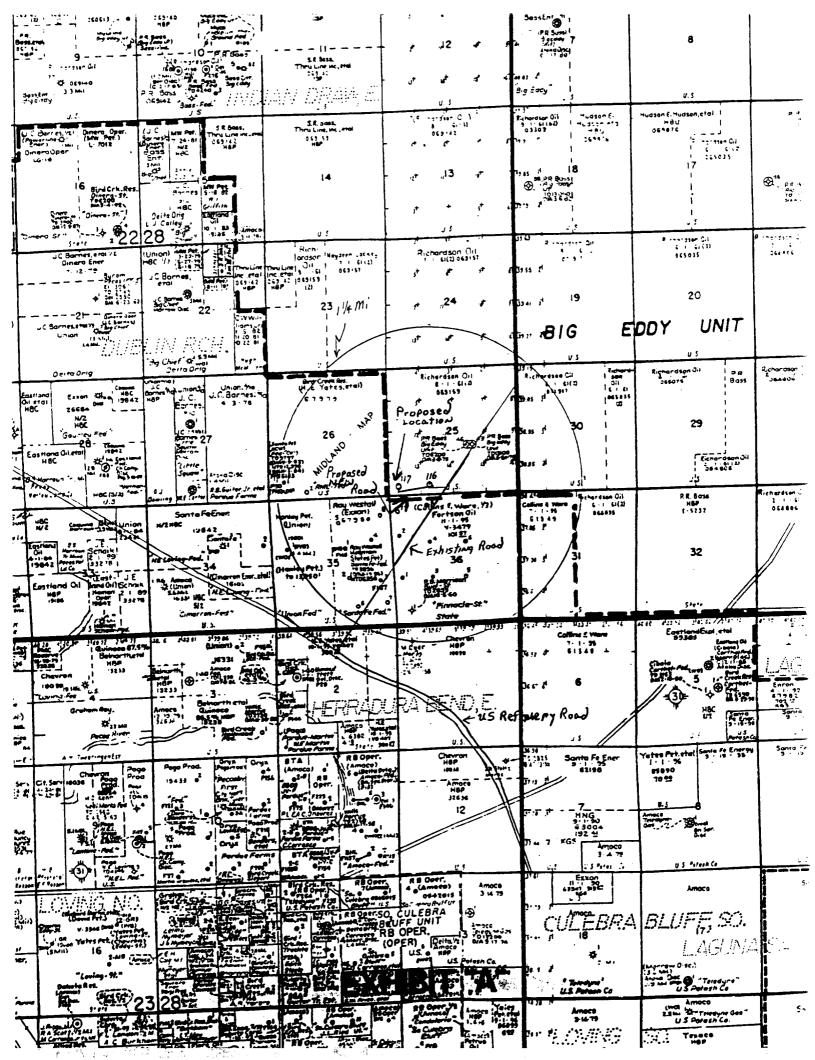
H2S in this area is less than 100 ppm.

Deviation can be a problem between 500' and 1000' and will be monitored closely.

POINT 8: OTHER PERTINENT INFORMATION

- A) Auxiliary Equipment

 Upper and lower kelly cocks. Full opening stab in valve on the rig floor.
- B) Anticipated Starting DateUpon approval15 days drilling operations5 days completion operations



SECTION 25 T-22-5 , R-28-E Big Eddy Unit Proposed New Road Existing Road

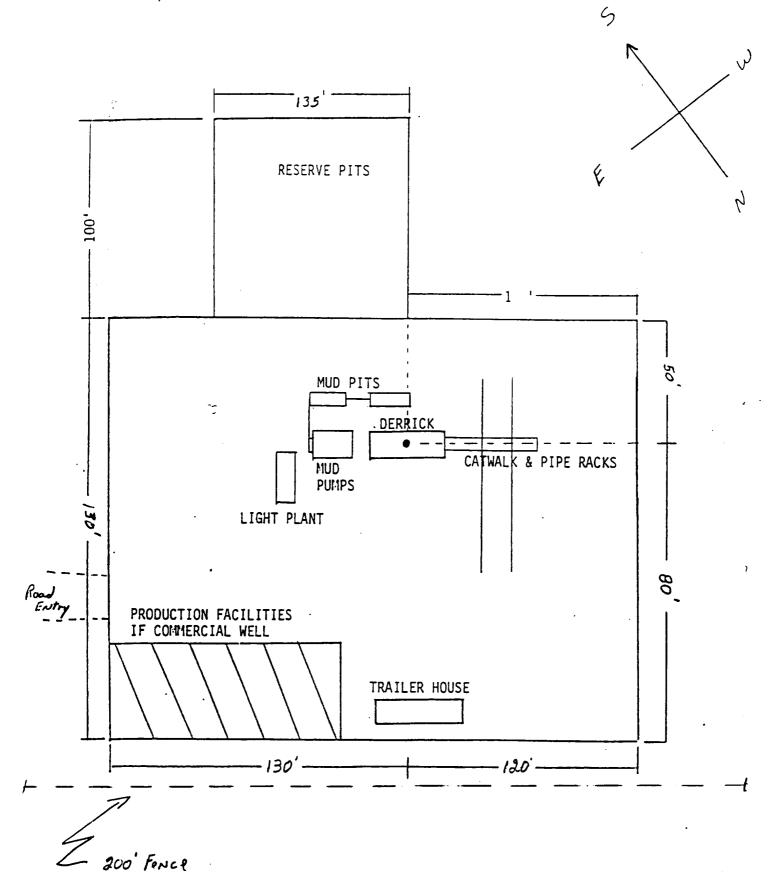


EXHIBIT "C"

BIG EDDY UNIT" NO. 117 SURFACE CASING

1st TAPER CASING PARAMETERS	5	TOTAL DEPTH	450
SIZE (inches)	11.750	TOP DEPTH OF TAPER(ft)	0
WEIGHT (lbs/ft)	42.00	BOTTOM DEPTH OF TAPER(ft)	450
GRADE	H-40	MAX FLUID GRADIENT (ppg)	9.5
LONG OR SHORT THREAD	ST&C	AXIAL LOAD FACTOR "X"	0.000
INT. DIAMETER (inches)	11.084	AXIAL LOAD FACTOR "Y"	1.000
ORIFT DIAMETER (inches)	10.928	ANTICIPATED PSI @ SETTING	221.9
TENSION (1bs)	307,000		
COLLAPSE (psi)	1,070		
BURST (psi)	1,980	NET FOOTAGE =	450
TENSION-1.6 design factor	16.243	DESIGN EXCEEDS SAFTEY FACTO	R REQUIREMENT
TENSION/(DEPTH*WEIGHT)			
COLLAPSE-1.0 design factor	4.823	DESIGN EXCEEDS SAFTEY FACTO	R REQUIREMENT
(COLLAPSE * Y)/(PSI/FT *		50510U 0/00000 01070/ F1070	
BURST-1.0 design factor BURST/(.75*BHP+2.5 %/gal)	8.808	DESIGN EXCEEDS SAFTEY FACTO	K KEQUIKEMENI



BIG EDDY UNIT NO. 117 INTERMEDIATE CASING

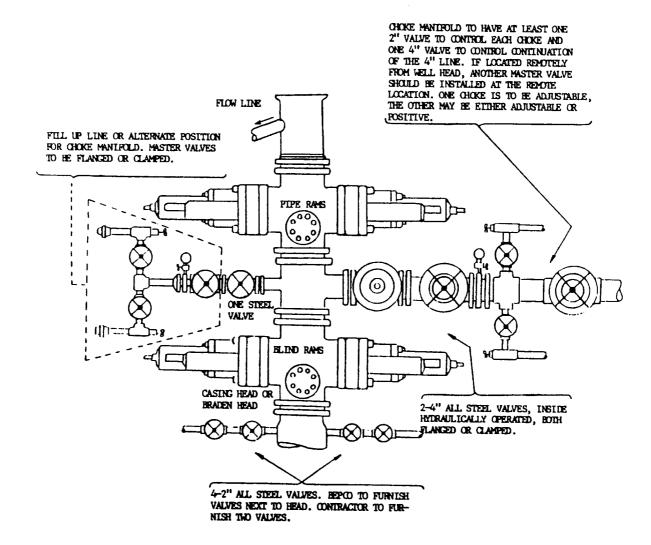
1st TAPER CASING PARAMETERS	3	TOTAL DEPTH 2,700
SIZE (inches) WEIGHT (lbs/ft) GRADE LONG OR SHORT THREAD INT. DIAMETER (inches) DRIFT DIAMETER (inches) TENSION (lbs) COLLAPSE (psi) BURST (psi)	8.625 24.00 K-55 ST&C 8.097 7.972 263,000 1,370 2,950	TOP DEPTH OF TAPER(ft) 0 BOTTOM DEPTH OF TAPER(ft) 2,500 MAX FLUID GRADIENT (ppg) 10 AXIAL LOAD FACTOR "X" 0.018 AXIAL LOAD FACTOR "Y" 0.995 ANTICIPATED PSI © SETTING 1297.5 NET FOOTAGE = 2500
TENSION-1.6 design factor TENSION/(DEPTH*WEIGHT) COLLAPSE-1.0 design factor (COLLAPSE * Y)/(PSI/FT * BURST-1.0 design factor BURST/(.75*BHP+2.5 \$/gal)	DEPTH) 2.145	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT
2nd TAPER CASING PARAMETERS		
SIZE (inches) WEIGHT (lbs/ft) GRADE LONG OR SHORT THREAD INT. DIAMETER (inches) DRIFT DIAMETER (inches) TENSION (lbs) COLLAPSE (psi) BURST (psi)		TOP DEPTH OF TAPER(ft) 2500 BOTTOM DEPTH OF TAPER(ft) 2700 MAX FLUID GRADIENT (ppg) 10 AXIAL LOAD FACTOR "X" 0.000 AXIAL LOAD FACTOR "Y" 1.000 ANTICIPATED PSI 6 SETTING 1401.3 NET FOOTAGE = 200
TENSION-1.6 design factor TENSION/(DEPTH*WEIGHT) COLLAPSE-1.0 design factor (COLLAPSE * Y)/(PSI/FT * BURST-1.0 design factor	1.270	
BURST/(.75*BHP+2.5 */gal)		

EXHIBIT D-2

BIG EDDY UNIT # 117

1st TAPER CASING PARAMETERS	;	TOTAL DEPTH 6,650			
SIZE (inches)	5.500	TOP DEPTH OF TAPER(ft) 0			
WEIGHT (lbs/ft)	14.00	BOTTOM DEPTH OF TAPER(ft) 5.800			
GRADE	K-55	MAX FLUID GRADIENT (ppg) 10			
LONG OR SHORT THREAD	ST&C	AXIAL LOAD FACTOR "X" 0.077			
INT. DIAMETER (inches)	5.012	AXIAL LOAD FACTOR "Y" 0.977			
DRIFT DIAMETER (inches)	4.387	ANTICIPATED PSI 8 SETTING 3010.2			
TENSION (1bs)	172,000				
COLLAPSE (psi)	3,120				
BURST (psi)	4,270	NET FOOTAGE = 5800			
TENSION-1.6 design factor TENSION/(DEPTH*WEIGHT)	1.823	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT			
COLLAPSE-1.0 design factor	1.013	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT			
(COLLAPSE * Y)/(PSI/FT *	DEPTH)				
BURST-1.0 design factor BURST/(.75*BHP+2.5 #/gal)	1.278	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT			
2nd TAPER CASING PARAMETERS					
SIZE (inches)	5.500	TOP DEPTH OF TAPER(ft) 5800			
WEIGHT (lbs/ft)	15.50	BOTTOM DEPTH OF TAPER(ft) 6650			
GRADE	K-55	MAX FLUID GRADIENT (ppg) 10			
LONG OR SHORT THREAD	LT&C	AXIAL LOAD FACTOR "X" 0.000			
INT. DIAMETER (inches)	4.950	AXIAL LOAD FACTOR "Y" 1.000			
DRIFT DIAMETER (inches)	4.825	ANTICIPATED PSI @ SETTING 3451.4			
TENSION (1bs)	239,000				
COLLAPSE (psi)	4,040				
BURST (psi)	4,810	NET FOOTAGE = 850			
TENSION-1.6 design factor TENSION/(DEPTH*WEIGHT)	18.140	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT			
COLLAPSE-1.0 design factor	1.171	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT			
(COLLAPSE * Y)/(PSI/FT * ((COLLAPSE * Y)/(PSI/FT * DEPTH)				
BURST-1.0 design factor BURST/(.75*BHP+2.5 %/gal)	1.394	DESIGN EXCEEDS SAFTEY FACTOR REQUIREMENT			

EXHIBIT D 3



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENIER REQUIREMENTS

- A. Conditions may be met by either (1) an annular blowout preventer on top and blind rams below with a choke spool between them, (2) Pipe rams on top and blind rams below with a choke spool between them, (3) A dual blowout preventer with pipe rams on top and blind rams below with a side outlet between the rams at least four inches diameter.
- B. Openings between rams to be flanged, studded or clamped.
- C. All connections from operating manifold to preventers to be all steel hose or tube a minimum of one inch in diameter.
- D. The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate (close, open, and re-close) the preventers.
- E. All connections to and from preventers to have a pressure rating equivalent to that of the BOPs.
- F. Manual controls to be installed before drilling cement plug.
- G. Kelly cock to be installed on kelly.
- H. Inside blowout preventer to be available on rig floor.