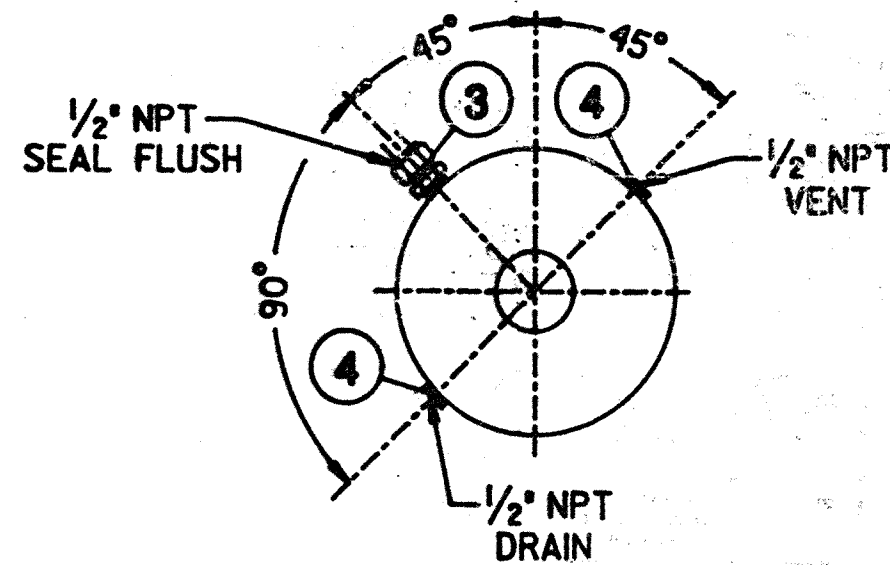
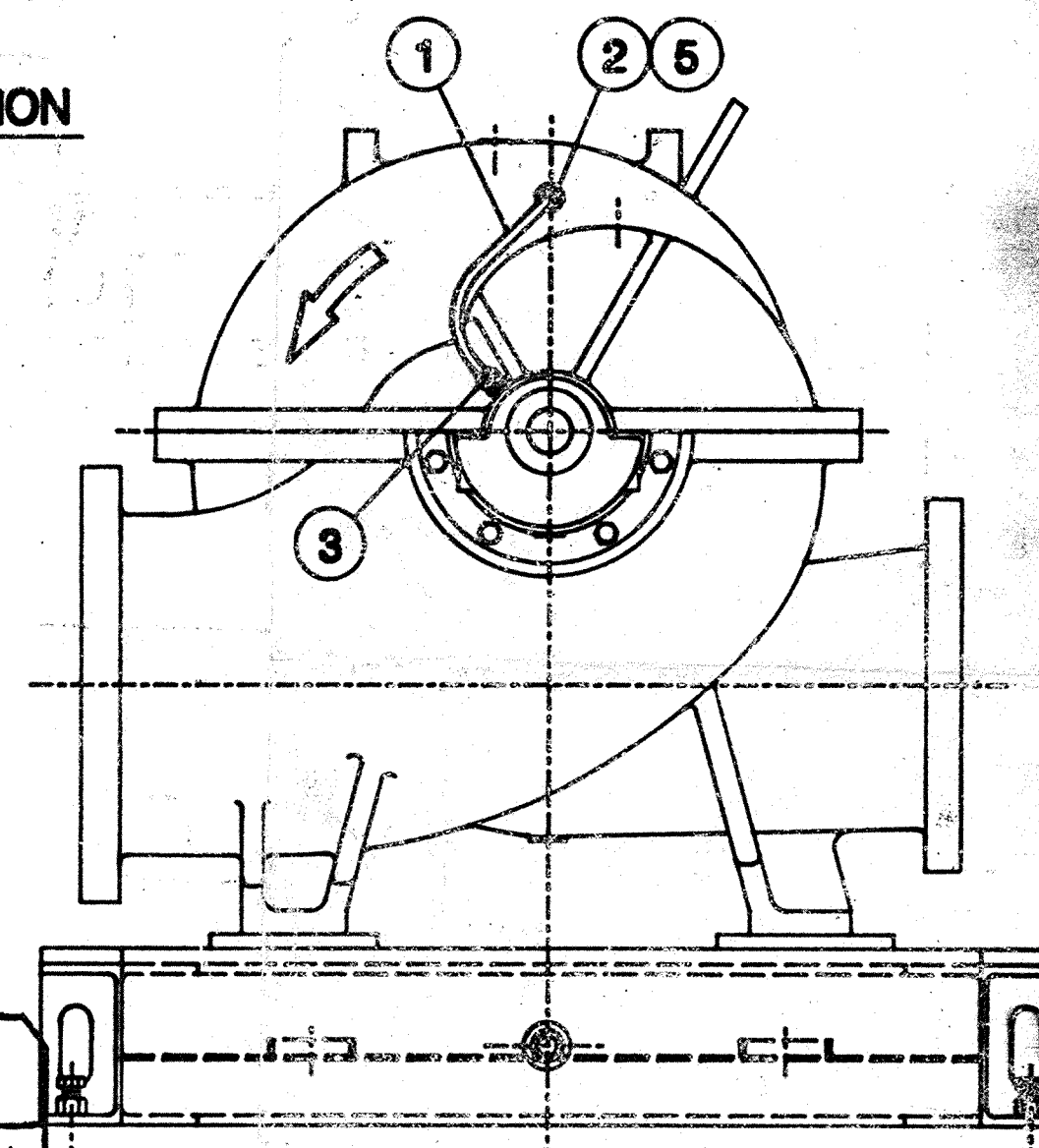
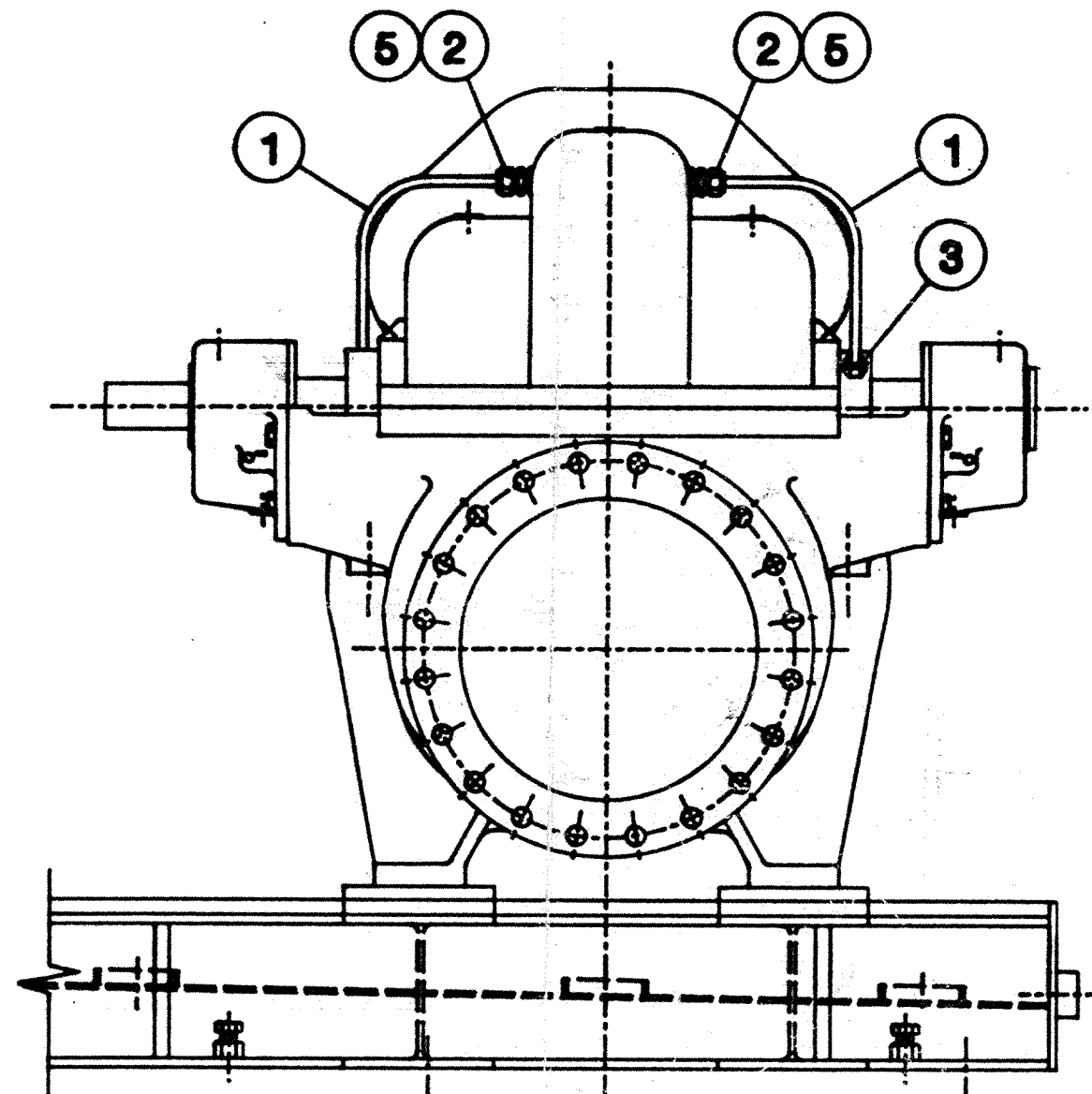


LTR	DESCRIPTION OF CHANGE	DATE	APPROVED BY	NO.
A	REVISED PER CUST. COMM.	10-4-94	JCA	



MECH. SEAL PORT LOCATION



ACCEPTANCE FOR ENGINEERING USE

THIS DOCUMENT IS:

ACCEPTED ☒ (AC)

ACCEPTED WITH COMMENTS (AC-C) ☐

NOT REVIEWED-ACCEPTED (NR) ☐

NOT ACCEPTED (NAC) ☐

ACCEPTANCE DOES NOT RELIEVE VENDOR FROM FURNISHING MATERIAL IN CONFORMANCE WITH ORDER. REFER TO VDR-1 FOR FULL DEFINITION OF ACCEPTANCE CONDITIONS

DIVISION *WILSON-SNYDER* DATE *10/4/94*

ISSUED
OCT 05 1994
NATIONAL OILWELL
MALESTER, OKLA.

A.P.I. PLAN "11" SEAL FLUSH PIPING

CERTIFIED FOR CONSTRUCTION

FOR: M.W. KELLOGG / PHILLIPS SITE: PASADENA, TEXAS

CLIENT: PSPC ITEM No.: PS-2001-220000-67-8107 / 67-8108

PUMP WTT No.: 67001514 / 67001515 P.O. No.: 6014-02DI-J390-02

MOTOR WTT No.: 30002604 / 30002605 JOB ASSIGN. No.: JA-46-9098

M.W. KELLOGG JOB No.: 6014-02 SERVICE: COOLING WATER PUMP

W/S REQ. No.: 04B-40661-401 UNIT: GPH-2

W/S JOB No.: 28-005-124 SERIAL No.: CP82-46 & 47

DATE: 9-6-94 PER: LARRY CASE

QTY REQ'D	PART NO.	DESCRIPTION	MATERIAL/SPECIFICATION	ITEM NO.
2	29-002-734	ORIFICE TAG	TAG - SIZE 3/16" DIA.	5
4	49-001-494	PLUG	PIPE PLUG, 1/2" S.S. (FOR SHIPPING ONLY)	4
2	64-227-767	CONNECTOR	MALE TUBING CONN. - S.S. SWAGelok, 1/2" T x 1/2" NPT	3
2	29-002-731	CONNECTOR	3/16" ORIFICE FITTING - S.S. SWAGelok, 1/2" T x 1/4" NPT	2
6 FT.	64-699-405	TUBING	1/2" x .065 WALL 316 S.S.	1

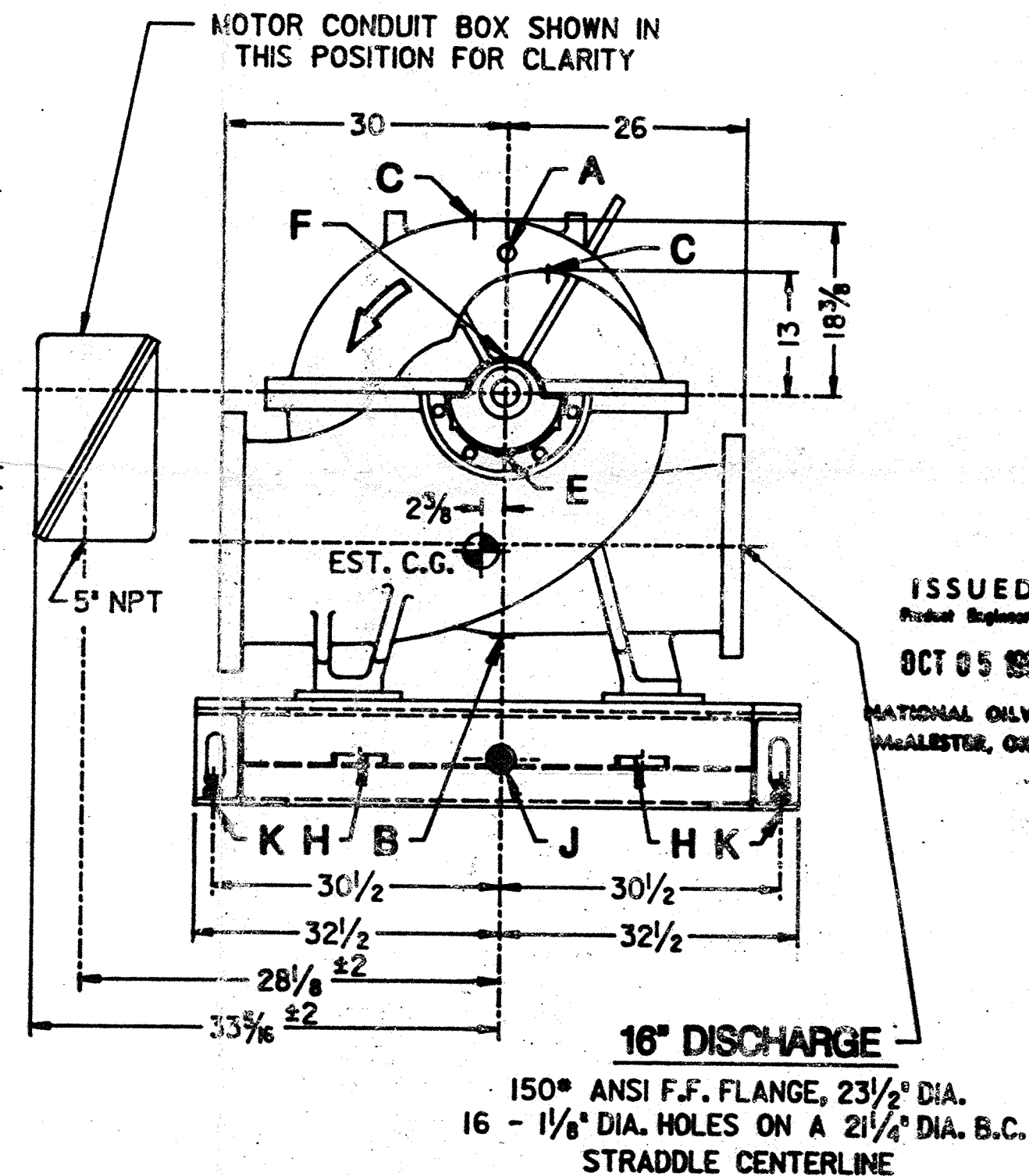
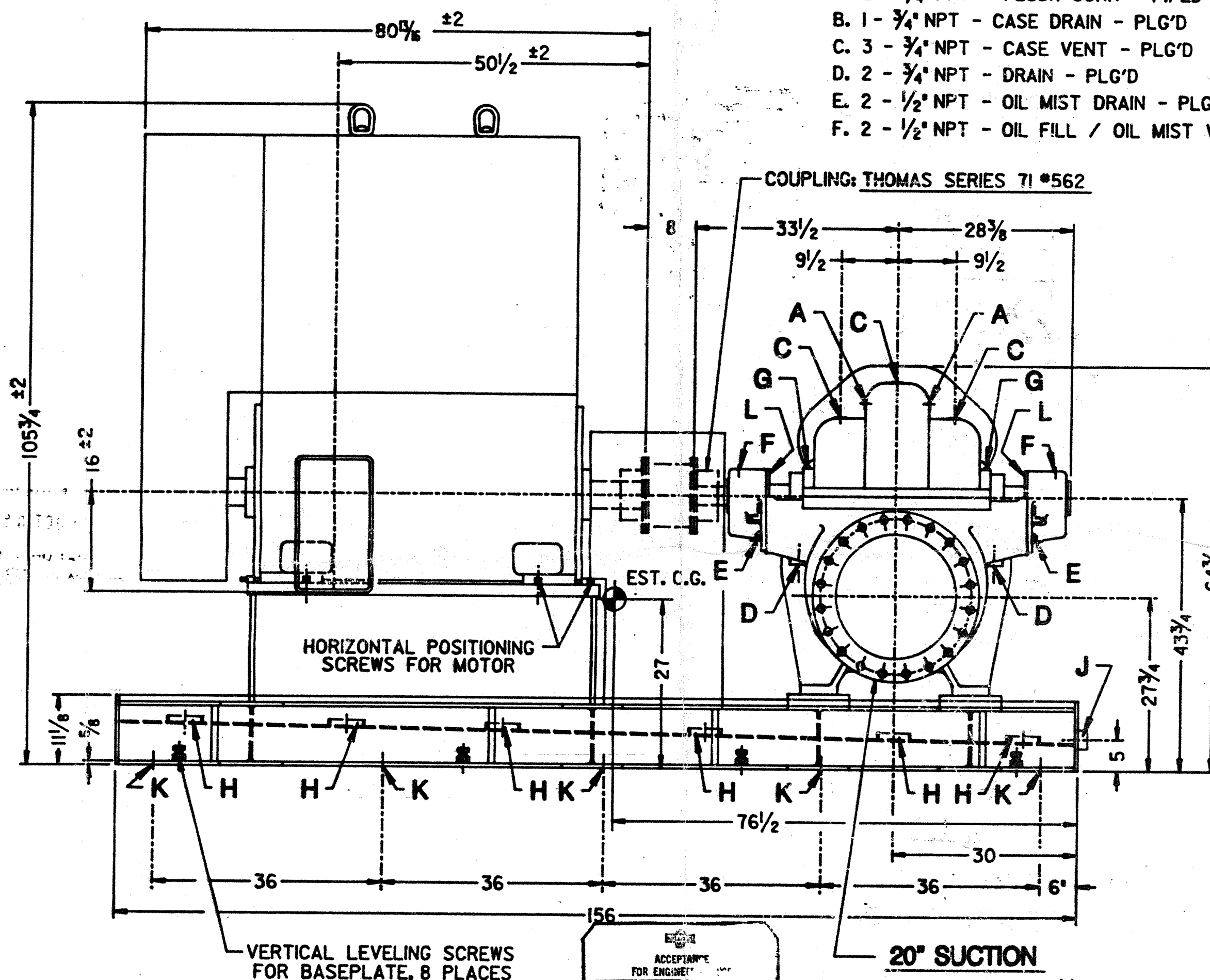
PROPRIETARY INFORMATION THIS DOCUMENT CONTAINS NATIONAL OILWELL PROPRIETARY AND CONFIDENTIAL INFORMATION. IT IS LOANED FOR LIMITED PURPOSES ONLY AND REMAINS THE PROPERTY OF NATIONAL OILWELL. IT MAY NOT BE REPRODUCED IN WHOLE OR PART OR DISCLOSED TO THIRD PARTIES WITHOUT THE PRIOR WRITTEN CONSENT OF NATIONAL OILWELL. THE DOCUMENT IS TO BE RETURNED TO NATIONAL OILWELL UPON REQUEST AND IN ALL EVENTS UPON COMPLETION OF THE USE FOR WHICH IT WAS LOANED.		ADDITIONAL SPECS DRAWINGS ARE IN INCHES BREAK SHARP CORNERS FILLET RADIUS CONCENTRICITY SQUARENESS PARALLELISM RFS EXCEPT WHEN @ MODIFIED SIMILAR TO LAYOUT NO. NEXT ASSY		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS & DECIMALS TOLERANCES UNLESS OTHERWISE SPECIFIED SURFACE FINISH FINISHES FINISHES FINISHES		MATERIAL SPECS PROVIDED BY DATE CHECKED BY DATE P.E. APPROVAL DATE G.A. REVIEW DATE		Wilson-Snyder Pumps NATIONAL OILWELL U.S.A. REGISTERED ENGINEERING FIRM API PLAN "11" SEAL FLUSH 16" DVL CENT. PUMP SIZE REFERENCE NO. SCALE SHEET 1 OF 1	
						TITLE DATE DATE DATE DATE		CP82-46-07 A	

LTR	DESCRIPTION OF CHANGE	DATE	APPROVED	NO.
A	REVISED PER CUST. COMM.	10-4-94	JCA	

CONNECTIONS

- A. 2 - $\frac{3}{4}$ " NPT - FLUSH CONN - PIPED PLAN "11"
 B. 1 - $\frac{3}{4}$ " NPT - CASE DRAIN - PLG'D
 C. 3 - $\frac{3}{4}$ " NPT - CASE VENT - PLG'D
 D. 2 - $\frac{3}{4}$ " NPT - DRAIN - PLG'D
 E. 2 - $\frac{1}{2}$ " NPT - OIL MIST DRAIN - PLG'D
 F. 2 - $\frac{1}{2}$ " NPT - OIL FILL / OIL MIST VENT - PLG'D

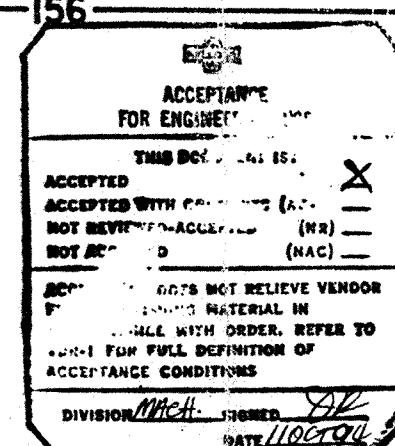
- G. 2 - $\frac{3}{4}$ " NPT - LANTERN RING - PLG'D
 H. 10 - 5" DIA. HOLES FOR GROUTING
 J. 1 - 2" NPT - BASE DRAIN
 K. 10 - 1" DIA. HOLES FOR FOUNDATION BOLTS
 L. 2 - $\frac{1}{4}$ " NPT - OIL MIST CONN - PLG'D



ISSUED
 Product Engineering
 OCT 05 1994
 NATIONAL OILWELL
 MALLISTER, OKLA.

CERTIFIED FOR CONSTRUCTION

FOR: M.W. KELLOGG / PHILLIPS SITE: PASADENA, TEXAS
 CLIENT: PSPC ITEM No.: PS-2001-220000-67-8107 / 67-8108
 PUMP WTT No.: 67001514 / 67001515 P.O. No.: 6014-02DI-J390-02
 MOTOR WTT No.: 30002604 / 30002605 JOB ASSIGN. No.: JA-46-9098
 M.W. KELLOGG JOB No.: 6014-02 SERVICE: COOLING WATER PUMP
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 W/S JOB No.: 28-005-124 SERIAL No.: CP82-46 & 47
 DATE: 9-6-94 PER: LARRY CASE



MOTOR DATA

MOTOR MFG.: SIEMENS
 FRAME: 5810US S.F.: 1.15
 PH.: 3 HZ.: 60 VOLTS: 4000
 HP.: 500 R.P.M.: 1200
 ENCL.: TEAAC
 FURN. BY: W/S MTD. BY: W/S

EST. WEIGHTS

PUMP: 6,250*
 MOTOR: 7,000*
 COUPLING: 188*
 BASE & GUARD: 5,000*
 TOTAL: 18,438*

NOTES:

1. DIMENSIONAL TOLERANCE TO BE $\pm \frac{1}{8}$ " UNLESS OTHERWISE NOTED
2. ADDITIONAL MOTOR INFORMATION WILL APPEAR ON CERTIFIED MOTOR DRAWING
3. ROTATION IS CLOCKWISE WHEN FACING PUMP FROM COUPLING END
4. EST. WEIGHT OF IMPELLER IS 250* (FOR MAINTENANCE PURPOSES)

DRAWN BY: <u>CLP</u> DATE: <u>9-2-94</u> CHECKED BY: <u>RPQ</u> DATE: <u>9-2-94</u> P.E. APPROVED: <u>IC</u> DATE: <u>9-5-94</u>		TITLE: <u>OUTLINE DRAWING</u> <u>16" DVL CENT. PUMP</u> SIZE: <u>C</u> REFERENCE: <u>CP82-46-05</u>	
SCALE: <u>1/16"</u>		SHEET: <u>1 OF 1</u>	