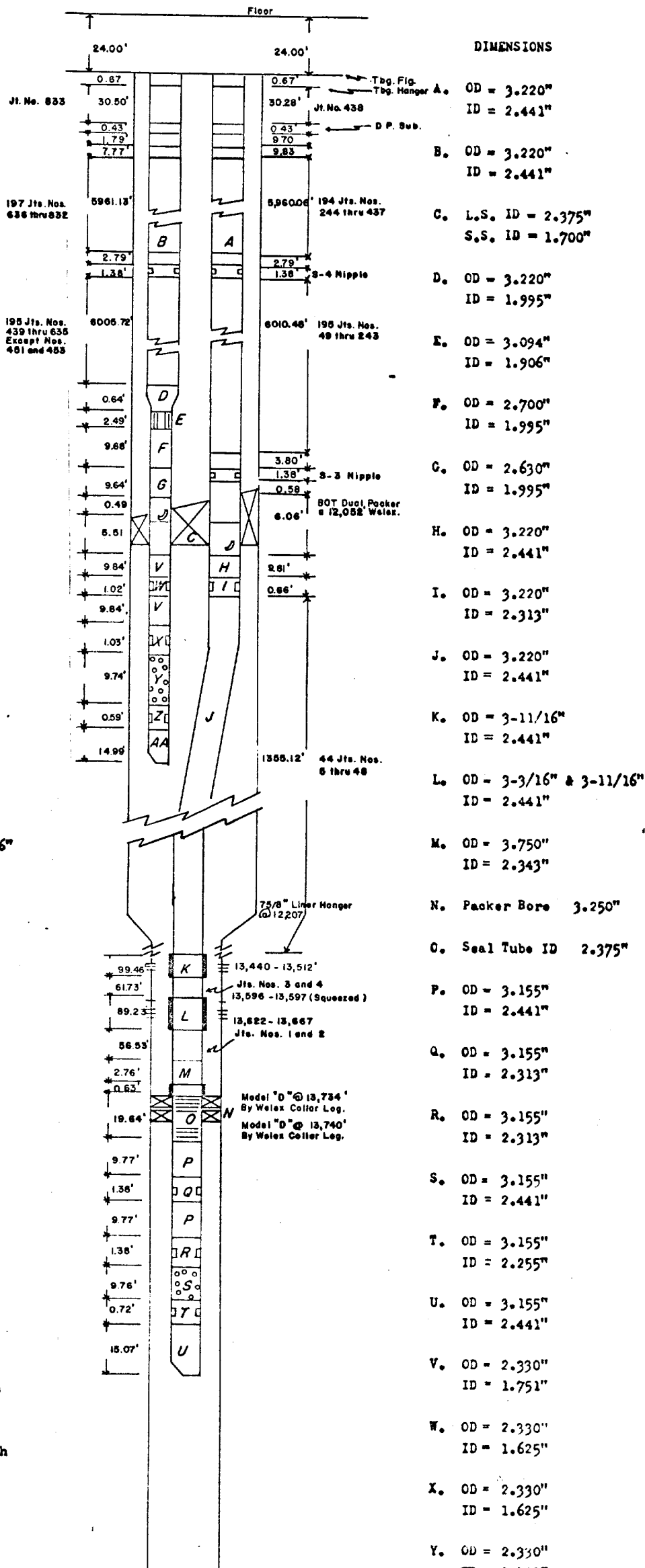


DUAL COMPLETION SCHEMATIC DIAGRAM

- A. Long String - 2-7/8" 6.5#/ft. P-105 Hydril "CS" Tubing.
- B. Short String - 2-7/8" 6.5#/ft. P-105 Hydril "CS" Tubing.
- C. 7-5/8" 33.7#/ft. Brown Oil Tools Type HS-21-2-C Dual Hydraulic Packer with Short String set and either string retrievable. Long String Sub 2-7/8" Hydril "CS" Box Up. Short String Sub 2-3/8" Hydril "CS" Box Up. Long String Bottom Connection 2-7/8" Hydril "CS" Pin Down. Short String Bottom Connection 2-1/16" Hydril "CS" Pin Down.
- D. 2-7/8" Hydril "CS" Box by 2-3/8" Hydril "CS" Pin P-105.
- E. 2-3/8" Otis Type "XA" Shifting Sleeve w/2-3/8" Hydril "CS" Box Up-Pin Down. Shift up to open.
- F. 2-3/8" 4.7# P-105 Hydril "CS" Pup Joint 10' Long.
- G. 2-3/8" 4.7# P-105 Hydril "CS" Pup Joint with S.C. Pin - 10' Long.
- H. 2-7/8" 6.5#/ft. P-105 Pup Joint - 10' Long.
- I. 2-7/8" Otis Type "X" Landing Nipple w/2-7/8" Hydril "CS" Box Up-Pin Down.
- J. 2-7/8" 6.5#/ft. P-105 Hydril "CS" Tubing
- K. 5 Joints 3-11/16" (99.46') Otis Blast Joints w/2-7/8" Hydril "CS" Connections.
- L. 2 Joints 3-3/16" (29.58') and 3 Joints 3-11/16" (59.65') Otis Blast Joints w/2-7/8" Hydril Connections - Small OD on Top.
- M. 2-7/8" Otis Type "XA" Shifting Sleeve with 2-7/8" Hydril "CS" Box Up-Pin Down. Shift Up to open.
- N. 6-5/8" 28#/ft. Baker Model "D" Packer.
- O. Baker Locator Sub Assembly with 18' of Seals with 2-7/8" Hydril "CS" Box Up and 2-7/8" S.C. Hydril "CS" Pin Down.
- P. 2-7/8" P-105 Special Clearance Hydril "CS" Pup Joints - 10' Long.
- Q. 2-7/8" Otis Type "S-2" Landing Nipple with 2-7/8" Special Clearance Hydril "CS" OD.
- R. 2-7/8" Otis Type "S-1" Landing Nipple with 2-7/8" Special Clearance Hydril "CS" OD.
- S. 2-7/8" P-105 Special Clearance Hydril "CS" Perforated Sub - 10' Long.
- T. 2-7/8" Otis Type "N" No-Go Landing Nipple with 2-7/8" Special Clearance Hydril "CS" OD.
- U. 2-7/8" P-105 Special Clearance Hydril "CS" with a Half-Muleshoe on Bottom - 15' Long.
- V. 2-1/16" P-105 Hydril "CS" Pup Joint 2.330" OD Full length - 10' Long.



W. 2-1/16" Otis Type "S-2" Landing Nipple with
2-1/16" Hydril "CS" Box Up-Pin Down.

Z. OD = 2.330"
ID = 1.536"

X. 2-1/16" Otis Type "S-1" Landing Nipple with
2-1/16" Hydril "CS" Box Up-Pin Down.

AA. OD = 2.330"
ID = 1.751"

Y. 2-1/16" N-80 Hydril "CS" Perforated Sub - 10'
Long.

Z. 2-1/16" P-105 Otis Type "N" No-Go Landing Nipple
with 2-1/16" Hydril "CS" Box Up-Pin Down.

AA. 2-1/16" N-80 Hydril "CS" Sub with a Half-Muleshoe
on Bottom - 15' Long.

Long String Hung in Tension

Short String Slack 1.78'

Short String wt. on Dual Packer 8,000# - 10,000#

"D" Packers Installed without Flapper Valves

2,000# wt. Set on Model "D" Packer

DETAILS OF ITEM "A"

EQUIPMENT	LENGTH	ID	OD
Cameron hanger	0.67'	2.441"	-
1 Joint 2-7/8" P-105 6.5# Tubing	30.28'	2.441"	3.220"
2-7/8" 6.5# P-105 D.P. Sub	0.43'	2.441"	3.220"
2-7/8" 6.5# P-105 Pup Joint	9.70'	2.441"	3.220"
2-7/8" 6.5# P-105 Pup Joint	9.83'	2.441"	3.220"
194 Joints 2-7/8" 6.5# P-105 Tubing	5,960.06'	2.441"	3.220"
2-7/8" Otis Flow Coupling	2.79'	2.375"	3.220"
2-7/8" Otis Type "S-4" Nipple	1.38'	2.313"	3.220"
195 Joints 2-7/8" 6.5# P-105 Tubing	6,010.48'	2.441"	3.220"
2-7/8" 6.5# P-105 Tubing	3.80'	2.441"	3.220"
2-7/8" Otis Type "S-3" Nipple	1.38'	2.313"	3.220"

DETAILS OF ITEM "B"

EQUIPMENT	LENGTH	ID	OD
Cameron Hanger	0.67'	2.441"	3.220"
1 Joint 2-7/8" P-105 6.5# Tubing	30.50'	2.441"	3.220"
2-7/8" 6.5# P-105 D.P. Sub	0.43'	2.441"	3.220"
2-7/8" 6.5# P-105 Pup Joint	1.79'	2.441"	3.220"
2-7/8" 6.5# P-105 Pup Joint	7.77'	2.441"	3.220"
197 Joints 2-7/8" 6.5# P-105 Tubing	5,961.13'	2.441"	3.220"
2-7/8" Otis Flow Coupling	2.79'	2.375"	3.200"
2-7/8" Otis Type "S-1" Nipple	1.38'	2.313"	3.220"
195 Joints 6.5# P-105 2-7/8" Tubing	6,005.72'	2.441"	3.220"

DETAILS OF ITEM "L"

2 - 3-3/16" Otis Blast Joints	29.58'
3 - 3-11/16" Otis Blast Joints	59.65'

DETAILS OF ITEM "V"

2-1/16" Hydril "CS" Pup Joint w/2.330" OD Full Length