

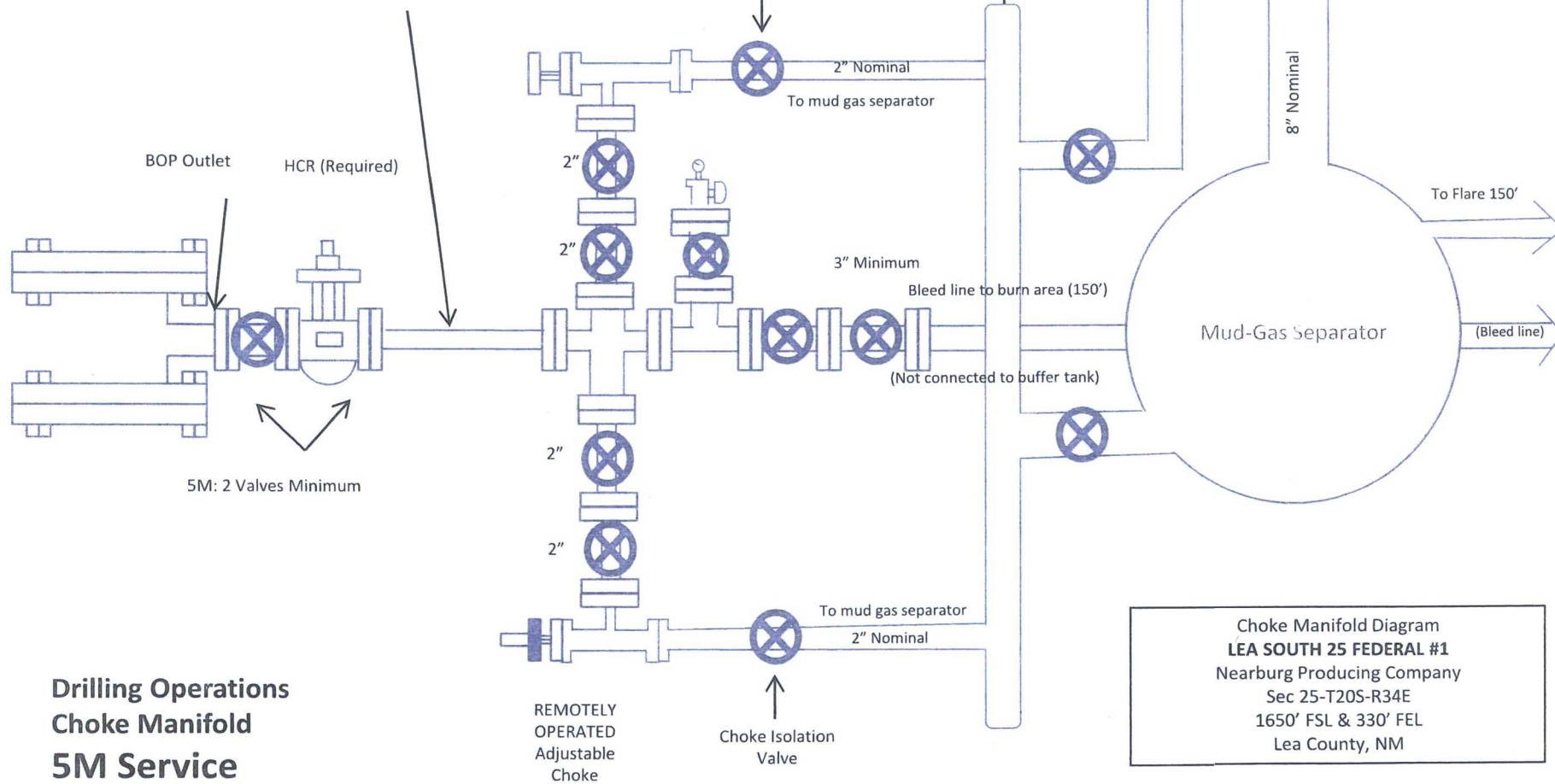
[illegible]

SURFACE: Lead: C w/4% gel, 2% CaCl Defoamer 0.25#/sx, pheno-seal Tail: C: POZ: Gel, C-45 w/2% CaCl
INTERMEDIATE: STG 1: Lead: 88:15:6 C:POZ:GEL w/.46#/sx salt, 0.50% C-45 STE, Defoamer, Citric Acid, 5.0#/sx Kol-seal Tail: C:POZ:GEL w/C-45
INTERMEDIATE: STG 2: Lead: C 85:15:6 C:POZ:GEL w/Bentonite, Salt, C-45, STE, Defoamer, Kol-seal Tail: C:POZ:GEL
PRODUCTION: Lead: 40:60:10 C:POZ:GEL w/Bentonite, Salt, STE, Defoamer FLA-CSA-1000 Kol-seal, Gyp Seal Tail: 50:50:0 H:POZ:GEL w/Salt, CSA-1000 & C-47B

NEARBURG PRODUCING COMPANY (OGRID #15742)																					
CASING ASSUMPTIONS WORKSHEET - LEA SOUTH 25 FEDERAL #1 API#																					
STRING	FLUID TYPE	HOLE SIZE	CSG SIZE	WT #/FT	GRD	EST TOC	DPTH SET	SACKS	CLASS CMT	JT TYPE	DENS #/GAL	YLD FT3/SK	VOL (cu.ft.)	% EXCESS	H2O GAL/ SK	SF COLL	SF BURST	SF BODY TENS	BODY TYPE DRY/ BUOY	SF JOINT TENS	JOINT TYPE DRY/ BUOY
SURF	FW/MUD	17.5	13.375	54.5	J-55	0	1910	1125 LEAD 300 TAIL	C POZ	STC	13.5 14.8	1.75 1.34	1969 402	100 100	6.35	1.25	1.25	1.3	Dry	1.3	Dry
INT STG 1	BRINE/ CUT BRINE	12.25	9.625	43.5	P-110	0	5725	330 LEAD 200 TAIL	C:POZ C:POZ	LTC	12.8 14.8	2.10 1.33	693 266	50 50	11.10 6.32	1.25	1.25	1.3	Dry	1.3	Dry
PKR STAGE TOOL @ 4125'																					
INT STG 2	BRINE/ CUT BRINE	12.25	9.625	43.5	P-110	0	5725	1230 LEAD 100 TAIL	C:POZ C:POZ	LTC	12.8 14.8	2.10 1.33	2583 133	50 50	11.16 6.32	1.25	1.25	1.3	Dry	1.3	Dry
PROD	CUT BRINE	8.75	5.5	17	P-110	0	11700	585 LEAD 400 TAIL	40:60:10 C:POZ 50:50:0 H:POZ	LTC	11.0 14.2	1.24 1.25	1895 500	50 50	19.41 6.32	1.25	1.25	1.3	Dry	1.3	Dry
ADDITIVES: SURFACE: Lead: C w/4% gel, 2% CaCl Defoamer 0.25#/sx, pheno-seal Tail: C: POZ: Gel, C-45 w/2% CaCl INTERMEDIATE: STG 1: Lead: 88:15:6 C:POZ:GEL w/.46#/sx salt, 0.50% C-45 STE, Defoamer, Citric Acid, 5.0#/sx Kol-seal Tail: C:POZ:GEL w/C-45 INTERMEDIATE: STG 2: Lead: C 85:15:6 C:POZ:GEL w/Bentonite, Salt, C-45, STE, Defoamer, Kol-seal Tail: C:POZ:GEL PRODUCTION: Lead: 40:60:10 C:POZ:GEL w/Bentonite, Salt, STE, Defoamer FLA-CSA-1000 Kol-seal, Gyp Seal Tail: 50:50:0 H:POZ:GEL w/Salt, CSA-1000 & C-47B																					

NEARBURG PRODUCING COMPANY (OGRID #15742)																					
CASING ASSUMPTIONS WORKSHEET - LEA SOUTH 25 FEDERAL #1 API#																					
STRING	FLUID TYPE	HOLE SIZE	CSG SIZE	WT #/FT	GRD	EST TOC	DPTH SET	SACKS	CLASS CMT	JT TYPE	DENS #/GAL	YLD FT3/SK	VOL (cu.ft.)	% EXCESS	H2O GAL/SK	SF COLL	SF BURST	SF BODY TENS	BODY TYPE DRY/ BUOY	SF JOINT TENS	JOINT TYPE DRY/ BUOY
SURF	FW/MUD	17.5	13.375	54.5	J-55	0	1910	1125 LEAD 300 TAIL	C POZ	STC	13.5 14.8	1.75 1.34	1969 402	100 100	6.35	1.25	1.25	1.3	Dry	1.3	Dry
INT STG 1	BRINE/ CUT BRINE	12.25	9.625	43.5	P-110	0	5725	330 LEAD 200 TAIL	C:POZ C:POZ	LTC	12.8 14.8	2.10 1.33	693 266	50 50	11.10 6.32	1.25	1.25	1.3	Dry	1.3	Dry
PKR STAGE TOOL @ 4125'																					
INT STG 2	BRINE/ CUT BRINE	12.25	9.625	43.5	P-110	0	5725	1230 LEAD 100 TAIL	C:POZ C:POZ	LTC	12.8 14.8	2.10 1.33	2583 133	50 50	11.16 6.32	1.25	1.25	1.3	Dry	1.3	Dry
PROD	CUT BRINE	8.75	5.5	17	P-110	0	11700	585 LEAD 400 TAIL	40:60:10 C:POZ 50:50:0 H:POZ	LTC	11.0 14.2	1.24 1.25	1895 500	50 50	19.41 6.32	1.25	1.25	1.3	Dry	1.3	Dry
ADDITIVES: SURFACE: Lead: C w/4% gel, 2% CaCl Defoamer 0.25#/sx, pheno-seal Tail: C: POZ: Gel, C-45 w/2% CaCl INTERMEDIATE: STG 1: Lead: 88:15:6 C:POZ:GEL w/.46#/sx salt, 0.50% C-45 STE, Defoamer, Citric Acid, 5.0#/sx Kol-seal Tail: C:POZ:GEL w/C-45 INTERMEDIATE: STG 2: Lead: C 85:15:6 C:POZ:GEL w/Bentonite, Salt, C-45, STE, Defoamer, Kol-seal Tail: C:POZ:GEL PRODUCTION: Lead: 40:60:10 C:POZ:GEL w/Bentonite, Salt, STE, Defoamer FLA-CSA-1000 Kol-seal, Gyp Seal Tail: 50:50:0 H:POZ:GEL w/Salt, CSA-1000 & C-47B																					

Choke Line:
5M System: 3" Minimum
OPTIONAL: 4" Flex Hose may be used if
approved in APD



Drilling Operations Choke Manifold 5M Service

Choke Manifold Diagram
LEA SOUTH 25 FEDERAL #1
Nearburg Producing Company
Sec 25-T20S-R34E
1650' FSL & 330' FEL
Lea County, NM

