

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC063667
2. Name of Operator BOPCO LP		6. If Indian, Allottee or Tribe Name
3a. Address 6401 HOLIDAY HILL RD MIDLAND, TX 79707		7. If Unit or CA/Agreement, Name and/or No. NMNM68294X
3b. Phone No. (include area code) Ph: 432-620-4374		8. Well Name and No. BIG EDDY UNIT DI 30 314H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 14 T20S R31E Mer NMP SWSW 1110FSL 250FWL		9. API Well No. 30-015-43649
		10. Field and Pool or Exploratory Area WC WILLIAMS SINK
		11. County or Parish, State EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> Hydraulic Fracturing
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other Change to Original APD

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

BOPCO, LP requests approval of the following changes to the original APD:

Well Type: Change from horizontal producer to vertical disposal.

Pool: Change from Williams Sink (Bone Spring) to Devonian SWD. - 96101

Well Name:
Old Name - Big Eddy Unit DI30 314H - 315997- property code
New Name - Big Eddy Unit 14 Federal SWD 1 - 320650 Property code

Pad Size: Expand pad size from 350' x 350' to 430' x 400' to accommodate rig.

NM OIL CONSERVATION
ARTESIA DISTRICT
JAN 22 2018

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14. I hereby certify that the foregoing is true and correct. Electronic Submission #401518 verified by the BLM Well Information System For BOPCO LP, sent to the Carlsbad	
Name (Printed/Typed) KELLY KARDOS	Title REGULATORY COORDINATOR
Signature (Electronic Submission)	Date 01/18/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

RWP/1-22-18

Additional data for EC transaction #401518 that would not fit on the form

32. Additional remarks, continued

Please see attached revised:

Drilling Program
C102
Pad Layout Diagram
BOP/Choke Design
Flex Hose Variance

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico **NM OIL CONSERVATION** Form C-102
Energy, Minerals & Natural Resources Department **ARTESIA DISTRICT** Revised August 1, 2011
OIL CONSERVATION DIVISION Submit one copy to appropriate District Office
1220 South St. Francis Dr.
Santa Fe, NM 87505
RECEIVED AMENDED REPORT
JAN 22 2018

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-43649	² Pool Code 96101	³ Pool Name Devonian; SWD
⁴ Property Code 320650	⁵ Property Name BIG EDDY UNIT 14 FEDERAL SWD	
⁷ OGRID No. 260737	⁸ Operator Name BOPCO, L.P.	⁶ Well Number 1
		⁹ Elevation 3449'

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
M	14	20S 21S	31 E		1,110	SOUTH	250	WEST	EDDY

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 0	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.

<p>¹⁶</p> <p style="text-align: center;">T-20-S R-31E</p> <p style="text-align: center;">SEC. 14</p> <p>SEC. 15 B IC SEC. 13</p> <p>250' S.H.L. 1110'</p> <p>A D</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p><i>Kelly Kardos</i> 1/8/18 Signature Date</p> <p>Kelly Kardos Printed Name</p> <p>kelly_kardos@xtoenergy.com E-mail Address</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p>1-8-2018 Date of Survey</p> <p>Signature and Seal of Professional Surveyor: <i>Mark Dillon Harp</i></p> <p>MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR</p> <p>MARK DILLON HARP 23786 Certificate Number AI 2017081251</p>

GEODETIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y= 571,049.3
X= 649,779.7
LAT.= 32.568981°N
LONG.= 103.847141°W

CORNER COORDINATES TABLE
NAD 27 NME
A - Y= 569,936.9 N, X= 649,535.5 E
B - Y= 572,589.6 N, X= 649,521.6 E
C - Y= 572,606.9 N, X= 652,167.6 E
D - Y= 569,963.4 N, X= 652,180.5 E

GEODETIC COORDINATES
NAD 83 NME
SURFACE LOCATION
Y= 571,111.0
X= 690,959.4
LAT.= 32.569101°N
LONG.= 103.847642°W

CORNER COORDINATES TABLE
NAD 83 NME
A - Y= 569,998.6 N, X= 690,715.2 E
B - Y= 572,651.3 N, X= 690,701.2 E
C - Y= 572,668.6 N, X= 693,347.2 E
D - Y= 570,025.1 N, X= 693,360.2 E

DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

NM OIL CONSERVATION
ARTESIA DISTRICT

XTO Energy Inc.
BEU 14 Federal 1 SWD
Projected TD: 15540' MD / 14250' TVD
SHL: 690' FSL & 175' FWL , Section 14, T20S, R31E
BHL: 690' FSL & 175' FWL , Section 14, T20S, R31E
Eddy County, NM

JAN 22 2018

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1. Geologic Name of Surface Formation

A. Quaternary

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	610'	Water
Top of Salt	940'	Water
Base of Salt	2050'	Water
Capitan Reef	2745'	Water
Delaware	4560'	Water
Brushy Canyon	5780'	Water/Oil/Gas
Bone Spring	7395'	Water/Oil/Gas
First Bone Spring Sand	8620'	Water/Oil/Gas
Second Bone Spring Sand	9210'	Water/Oil/Gas
Third Bone Spring Sand	10220'	Water/Oil/Gas
Wolfcamp	10595'	Water/Oil/Gas
Cisco	11150'	Water/Oil/Gas
Canyon	11520'	Water/Oil/Gas
Strawn	11635'	Water/Oil/Gas
Atoka	12030'	Water/Oil/Gas
Atoka Bank	12190'	Water/Oil/Gas
Morrow	12500'	Water/Oil/Gas
Morrow Clastics	12680'	Water/Oil/Gas
Barnett	13110'	Water/Oil/Gas
Mississippian Lime	13540'	Water/Oil/Gas
Woodford	14120'	Water/Oil/Gas
Siluro-Devonian	14291'	Disposal
Fusselman	14666'	Disposal
Montoya	15242'	Disposal
TD	15540'	
Simpson	15546'	

*** Hydrocarbons @ Brushy Canyon

*** Groundwater depth 40' (per NM State Engineers Office).

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 18-5/8 inch casing @ 850' (90' above the salt) and circulating cement back to surface. The salt will be isolated by setting 13-3/8 inch casing at 2400' and circulating cement to surface. The Capitan Reef zone will be isolated by setting 9-5/8 inch casing at 4750'. An 8-3/4 inch hole will be drilled to 14250' and 7 inch casing will be set and cemented back up to the 9-5/8 inch casing shoe. A 6 inch hole will be drilled to TD at 15540' for an openhole completion.

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst	SF Collapse	SF Tension
24"	0' – 850'	18-5/8"	87.5	BTC	J-55	New	2.97	1.43	17.87
17-1/2"	0' – 2400'	13-3/8"	61	BTC	J-55	New	2.86	1.20	6.57
12-1/4"	0' – 4750'	9-5/8"	47	LTC	L-80	New	1.39	2.24	4.00
8-3/4"	0' – 14250'	7"	32	BTC	P-110	New	2.33	1.33	4.23
6"	14250' – 15540'	Open hole							

WELLHEAD:

Temporary Wellhead

- 18-5/8" SOW bottom x 21-1/4" 2M top flange.

A. Starting Head: 13-5/8" 5M top flange x 13-3/8" SOW bottom

B. Tubing Head: 13-5/8" 5M bottom flange x 7-1/16" 10M top flange

- Wellhead will be installed by manufacturer's representatives.
- Manufacturer will monitor welding process to ensure appropriate temperature of seal.
- Manufacturer will witness installation of test plug for initial test.
- Operator will test the 9-5/8" casing to 70% of casing burst before drilling out.

4. Cement Program

Surface Casing: 18-5/8", 87.5# New J-55, BTC casing to be set at +/- 850'

Lead: 770 sxs Poz/C (mixed at 13.5 ppg, 1.77 ft³/sx, 9.46 gal/sx water)

Tail: 550 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.36 ft³/sx, 6.61 gal/sx water)

Compressives: 12-hr = 900 psi 24 hr = 1500 psi

1st Intermediate Casing: 13-3/8", 61# New J-55, BTC casing to be set at +/- 2400'

Lead: 1510 sxs Poz/C (mixed at 12.8 ppg, 1.923 ft³/sx, 10.45 gal/sx water)

Tail: 310 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.33 ft³/sx, 6.42 gal/sx water)

Compressives: 12-hr = 900 psi 24 hr = 1500 psi

2nd Intermediate Casing: 9-5/8", 47# New L-80, LTC casing to be set at +/- 4750'

ECP/DV Tool to be set at 2820'

1st Stage

Lead: 0 sxs Poz-C + 2% CaCl (mixed at 12.9 ppg, 1.9 ft³/sx, 9.99 gal/sx water)

Tail: 960 sxs Class C + 2% CaCl (mixed at 14.4 ppg, 1.25 ft³/sx, 5.49 gal/sx water)

Compressives: 12-hr = 900 psi 24 hr = 1500 psi

2nd Stage

Lead: 760 sxs Poz/C + 2% CaCl (mixed at 12.9 ppg, 1.9 ft³/sx, 9.61 gal/sx water)

Tail: 250 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.25 ft³/sx, 6.39 gal/sx water)

Compressives: 12-hr = 900 psi 24 hr = 1500 psi

Production Casing: 7", 32# New P-110, BTC casing to be set at +/- 14250'

Lead: 660 sxs Poz/C (mixed at 11 ppg, 2.811 ft³/sx, 17.4 gal/sx water)

Tail: 60 sxs Class C (mixed at 13.2 ppg, 1.468 ft³/sx, 7.46 gal/sx water)

Compressives: 12-hr = 1375 psi 24 hr = 2285 psi

5. Pressure Control Equipment

The blow out preventer equipment (BOP) on surface casing/temporary wellhead will consist of a 21-1/4" minimum 2M Annular. MASP should not exceed 757 psi.

Once WH is installed on 13-3/8 inch casing, the blow out preventer equipment (BOP) for this well consists of a 13-5/8" minimum 5M Annular and a 13-5/8" minimum 5M Double Ram BOP. MASP should not exceed 4942 psi. In any instance where 10M BOP is required by BLM, XTO requests variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M).

All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nipping up on the 13-5/8" 5M bradenhead and flange, the BOP test will be limited to 5000 psi. When nipping up on the 9-5/8", the BOP will be tested to a minimum of 5000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 5M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 850'	24"	FW/Native	8.4-10	29-40	NC
850' - 2400'	17-1/2"	Brine	9.8-10.3	29-32	NC
2400' to 4750'	12-1/4"	FW	8.4-8.8	29-32	NC
4750' to 14250'	8-3/4"	FW / Cut Brine / Polymer	8.4-10.9	29-40	NC - 20
14250' to 15540'	6"	FW	8.4-8.8	29-32	NC

The necessary mud products for weight addition and fluid loss control will be on location at all times.

Spud with fresh water/native mud. Drill out from under 18-5/8" surface casing with brine solution. A 9.8-10.3 ppg brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

7. Auxiliary Well Control and Monitoring Equipment

- A. A Kelly cock will be in the drill string at all times.
- B. A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.
- C. H2S monitors will be on location when drilling below the 13-3/8" casing.

8. Logging, Coring and Testing Program

Mud Logger: Mud Logging Unit (2 man) below intermediate casing.

Open hole logging will be conducted in intermediate and production hole sections. Logs that may be run include Triple Combo, Dipole Sonic, FMI, and Rotary SWC.

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 190-220F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation is possible, and will be managed by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 6949 psi.

10. Anticipated Starting Date and Duration of Operations

Road and location construction will begin after Santa Fe and BLM have approved the APD. Anticipated spud date will be as soon after Santa Fe and BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 50-75 days. If production casing is run, an additional 30 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to commence injection.

WELL SITE PLAN

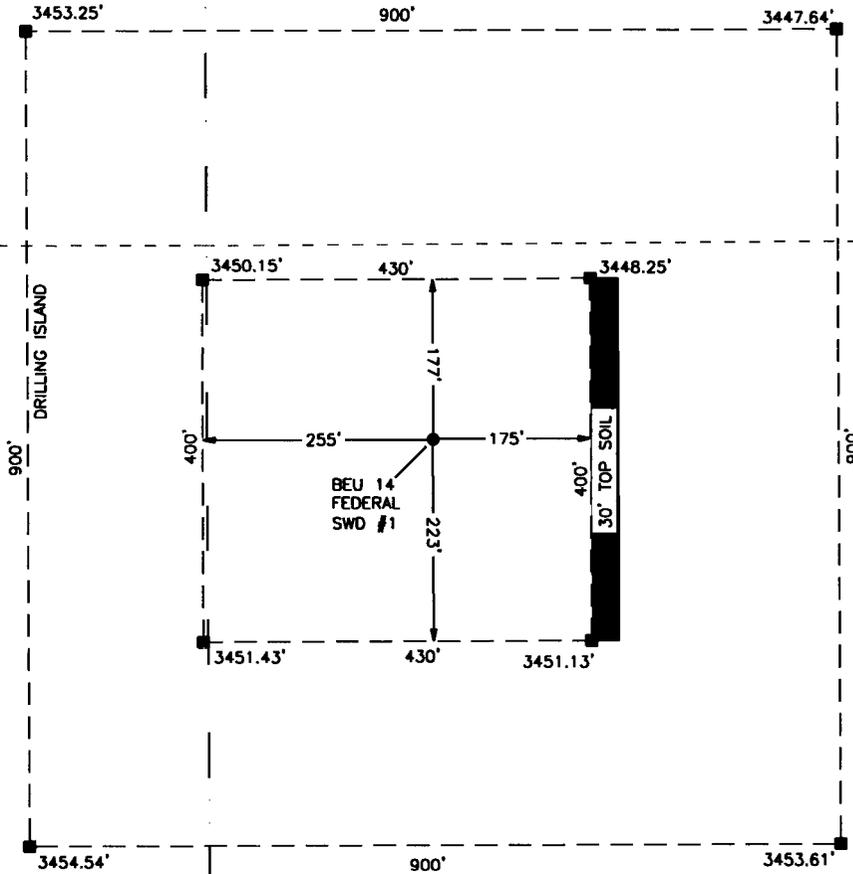
EXISTING 2 TRACK ROAD

SECTION 15
TOWNSHIP 20 SOUTH,
RANGE 31 EAST
NEW MEXICO PRIME
MERIDIAN

SECTION 14
TOWNSHIP 20 SOUTH,
RANGE 31 EAST
NEW MEXICO PRIME
MERIDIAN

NW/4
SW/4

NE/4
SE/4



SW/4
SW/4

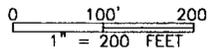
BIG EDDY UNIT 14
FEDERAL SWD #1
ELEV. 3449'
NAD 83 (NME)
Y= 571,111.0
X= 690,959.4
LAT.= 32.569101°N
LONG.= 103.847642°W
NAD 27 (NME)
Y= 571,049.3
X= 649,779.7
LAT.= 32.568981°N
LONG.= 103.847141°W

LEGEND

----- PROPOSED PAD

NOTE:

- 1). SEE "TOPOGRAPHICAL AND ACCESS ROAD MAP" FOR PROPOSED ROAD LOCATION



DIRECTIONS TO THIS LOCATION:

FROM THE INTERSECTION OF HIGHWAY 62 (HOBBS HWY.) AND POTASH MINES RD. (NM-31) GO EAST ON HIGHWAY 62 APPROX. 7.4 MILES. TURN LEFT (NORTH) ONTO LEASE RD. AND GO APPROX. 1.9 MILES, ARRIVING AT A PAD. CONTINUE EAST THEN NORTH ALONG LEASE ROAD FOR APPROX. 1.45 MILES TO A CURVE. HEAD WEST ON SAID LEASE ROAD FOR APPROX. 0.35 MILES TO A CURVE. HEAD SOUTH ON SAID LEASE ROAD FOR APPROX. 0.13 MILES AND THE LOCATION IS TO THE SOUTH.

XTO ENERGY, INC.

BIG EDDY UNIT 14 FEDERAL SWD #1
LOCATED 250 FEET FROM THE WEST
LINE AND 1,110 FEET FROM THE NORTH
LINE OF SECTION 14, TOWNSHIP 20
SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, NEW MEXICO



550 Bailey Ave., 205 - Fort Worth, TX 76107
Ph: 817.349.9800 - Fax: 979.732.5271
TBPE Firm 17957 | TBPLS Firm 10193887
www.fscinc.net

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DATE:	1-15-2018	PROJECT NO:	2017081251
DRAWN BY:	AI	SCALE:	1" = 200'
CHECKED BY:	DH	SHEET:	1 OF 1
FIELD CREW:	RE	REVISION:	NO

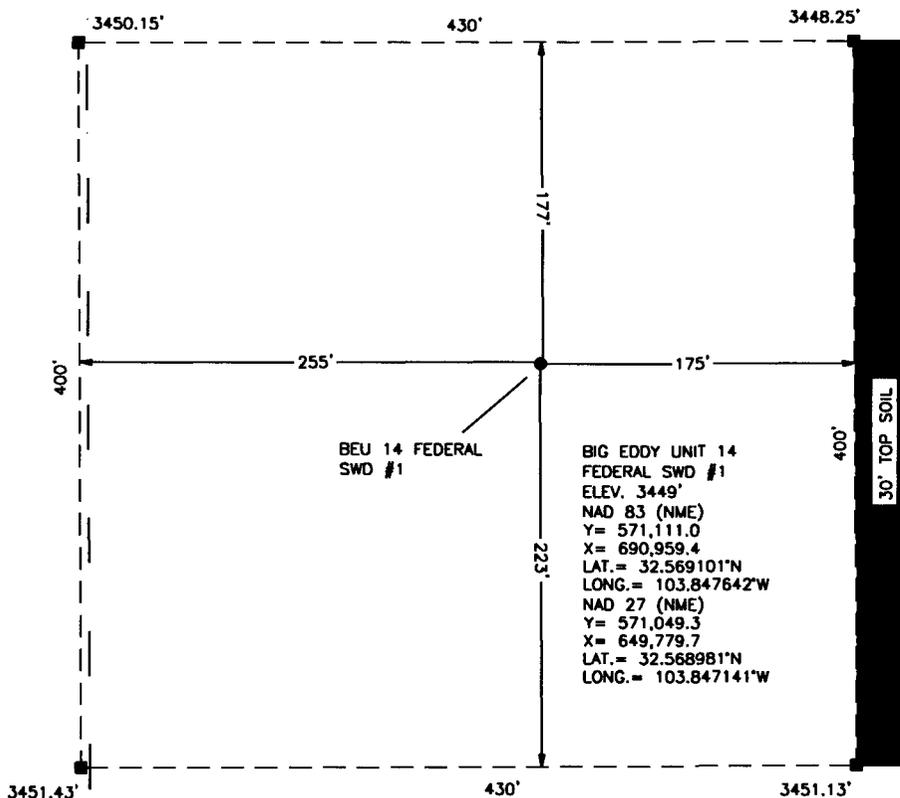
WELL SITE PLAN

SECTION 15
TOWNSHIP 20 SOUTH,
RANGE 31 EAST
NEW MEXICO PRIME
MERIDIAN

SECTION 14
TOWNSHIP 20 SOUTH, RANGE 31 EAST
NEW MEXICO PRIME MERIDIAN

NE/4
SE/4

NW/4
SW/4



BEU 14 FEDERAL
SWD #1

BIG EDDY UNIT 14
FEDERAL SWD #1
ELEV. 3449'
NAD 83 (NME)
Y = 571,111.0
X = 690,959.4
LAT. = 32.569101°N
LONG. = 103.847642°W
NAD 27 (NME)
Y = 571,049.3
X = 649,779.7
LAT. = 32.568981°N
LONG. = 103.847141°W

30' TOP SOIL

SE/4
SE/4

SW/4
SW/4



0 50' 100'
1" = 100 FEET

LEGEND

--- PROPOSED PAD

NOTE:

1). SEE "TOPOGRAPHICAL AND ACCESS ROAD MAP" FOR PROPOSED ROAD LOCATION

DIRECTIONS TO THIS LOCATION:

FROM THE INTERSECTION OF HIGHWAY 62 (HOBBS HWY.) AND POTASH MINES RD. (NM-31) GO EAST ON HIGHWAY 62 APPROX. 7.4 MILES. TURN LEFT (NORTH) ONTO LEASE RD. AND GO APPROX. 1.9 MILES, ARRIVING AT A PAD. CONTINUE EAST THEN NORTH ALONG LEASE ROAD FOR APPROX. 1.45 MILES TO A CURVE. HEAD WEST ON SAID LEASE ROAD FOR APPROX. 0.35 MILES TO A CURVE. HEAD SOUTH ON SAID LEASE ROAD FOR APPROX. 0.13 MILES AND THE LOCATION IS TO THE SOUTH.

XTO ENERGY, INC.

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SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, NEW MEXICO

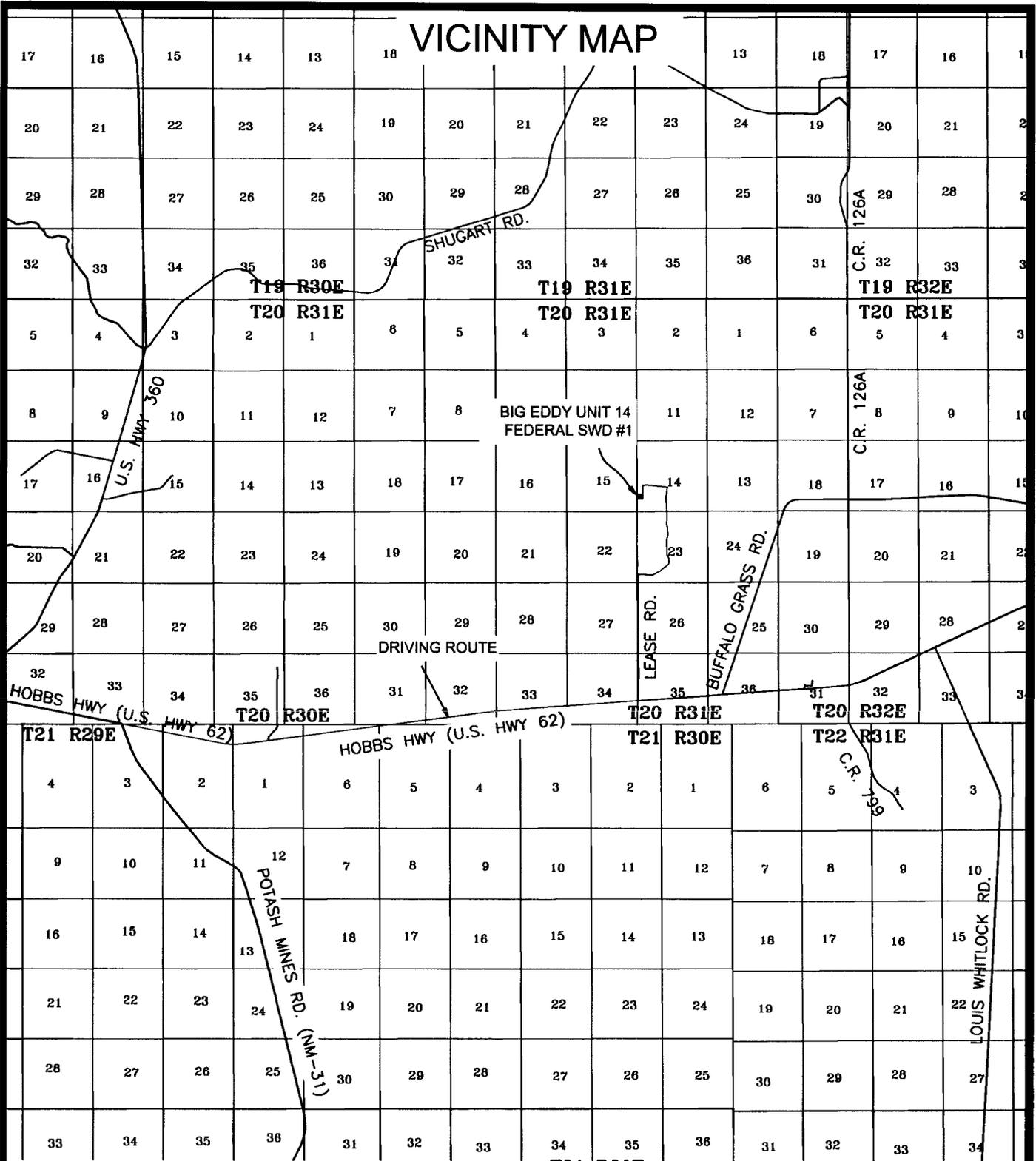


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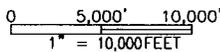
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DATE:	1-15-2018	PROJECT NO:	2017081251
DRAWN BY:	AI	SCALE:	1" = 100'
CHECKED BY:	DH	SHEET:	1 OF 1
FIELD CREW:	RE	REVISION:	NO

VICINITY MAP



BIG EDDY UNIT 14 FEDERAL SWD #1
 LOCATED 250 FEET FROM THE WEST
 LINE AND 1,110 FEET FROM THE SOUTH
 LINE OF SECTION 14, TOWNSHIP 20
 SOUTH, RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, NEW MEXICO



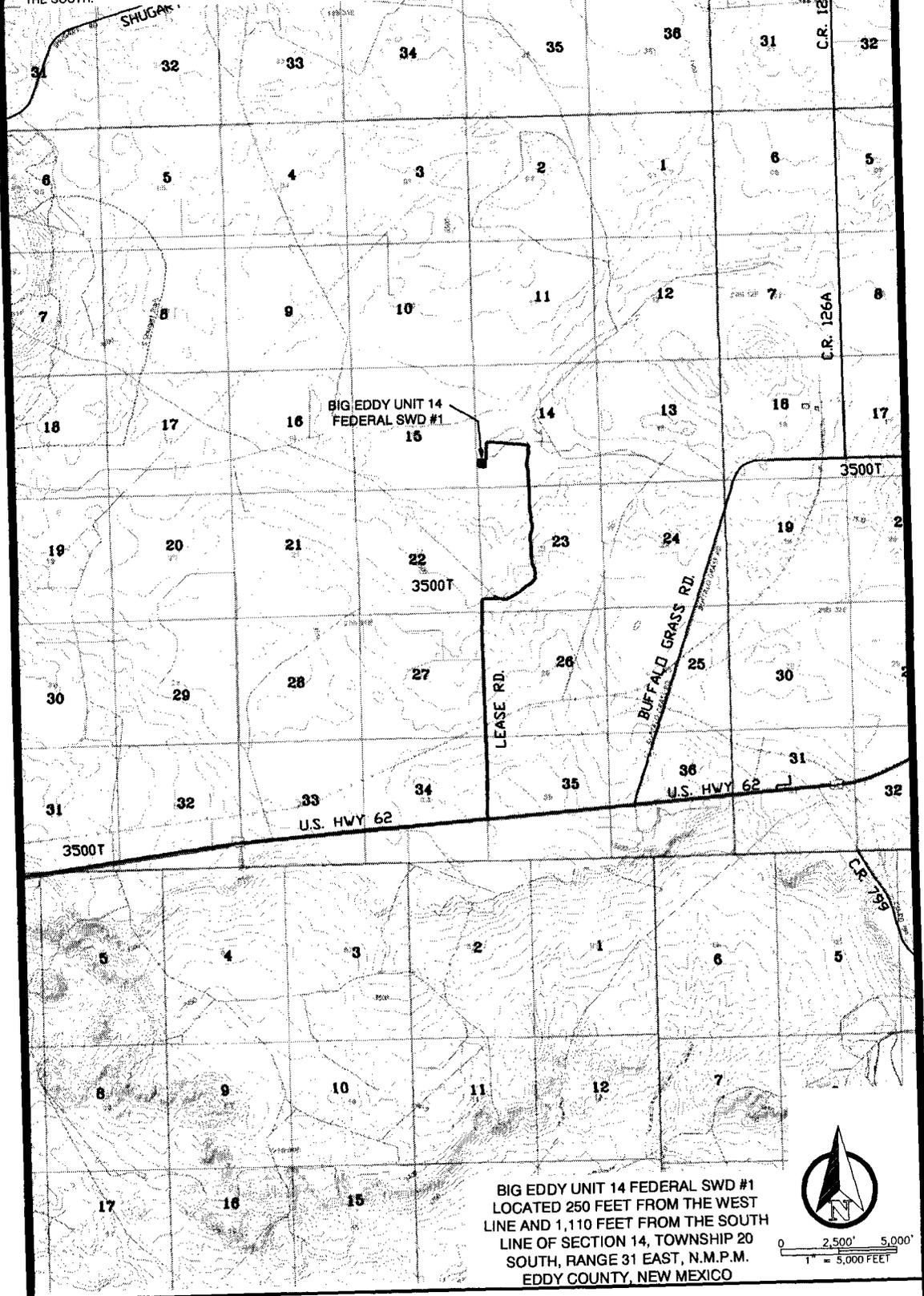
FSC INC
 SURVEYORS+ENGINEERS

550 Bailey Ave., 205 - Fort Worth, TX 76107
 Ph: 817.349.9800 - Fax: 979.732.5271
 TBPE Firm 17957 | TBPLS Firm 10193887
 www.fsclnc.net

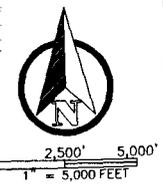
DATE: 1-15-2018
 DRAWN BY: AW
 CHECKED BY: DH
 FIELD CREW: RE/KN/CD
 PROJECT NO: 2017081251
 SCALE: 1" = 10,000'
 SHEET: 1 OF 1
 REVISION: NO

TOPOGRAPHICAL AND ACCESS ROAD MAP

DIRECTIONS TO THIS LOCATION:
 FROM THE INTERSECTION OF HIGHWAY 62 (HOBBS HWY.) AND POTASH MINES RD. (NM-31) GO EAST ON HIGHWAY 62 APPROX. 7.4 MILES. TURN LEFT (NORTH) ONTO LEASE RD. AND GO APPROX. 1.9 MILES, ARRIVING AT A PAD. CONTINUE EAST THEN NORTH ALONG LEASE ROAD FOR APPROX. 1.45 MILES TO A CURVE. HEAD WEST ON SAID LEASE ROAD FOR APPROX. 0.35 MILES TO A CURVE. HEAD SOUTH ON SAID LEASE ROAD FOR APPROX. 0.13 MILES AND THE LOCATION IS TO THE SOUTH.

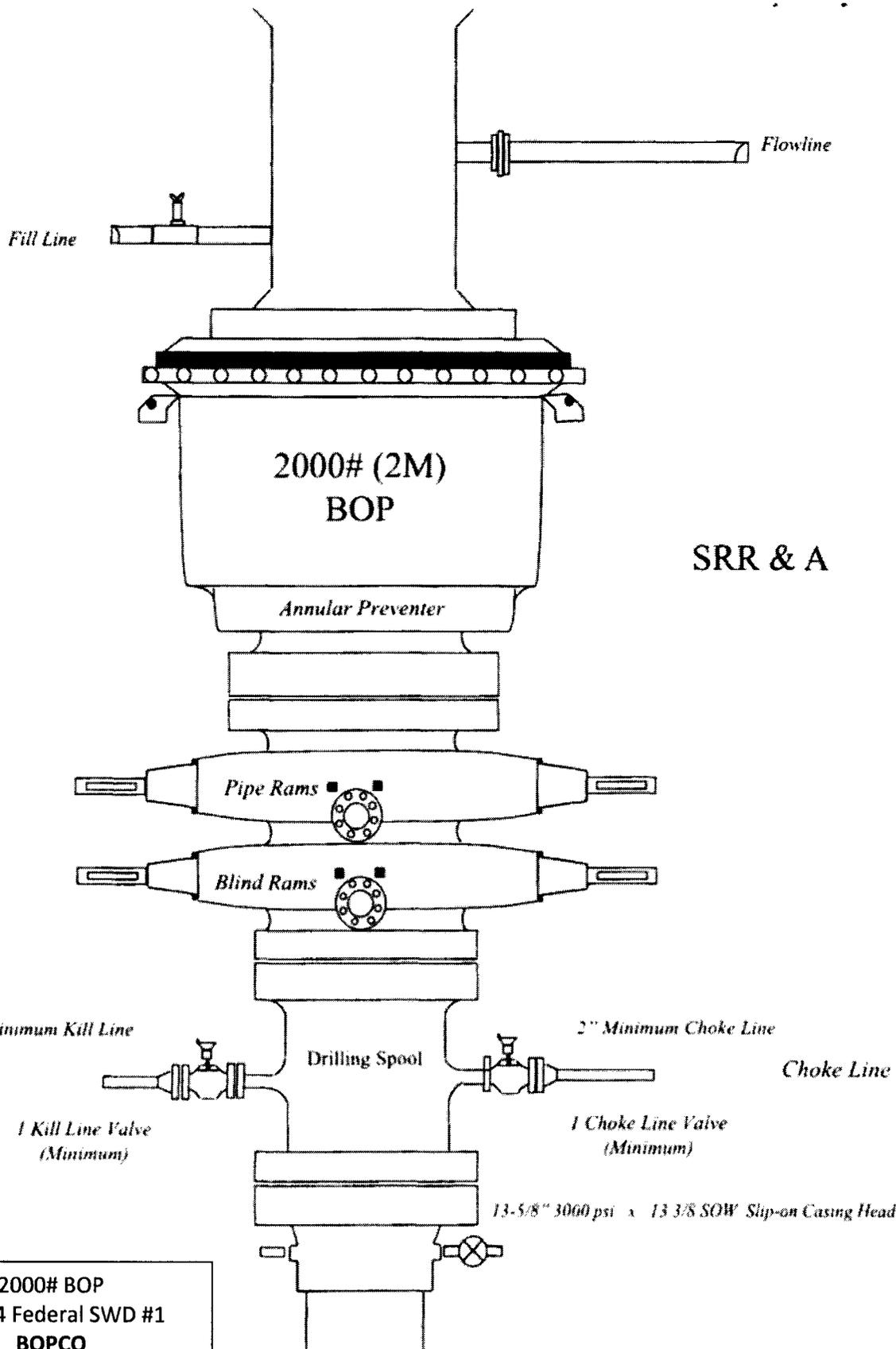


BIG EDDY UNIT 14 FEDERAL SWD #1
 LOCATED 250 FEET FROM THE WEST
 LINE OF SECTION 14, TOWNSHIP 20
 SOUTH, RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, NEW MEXICO



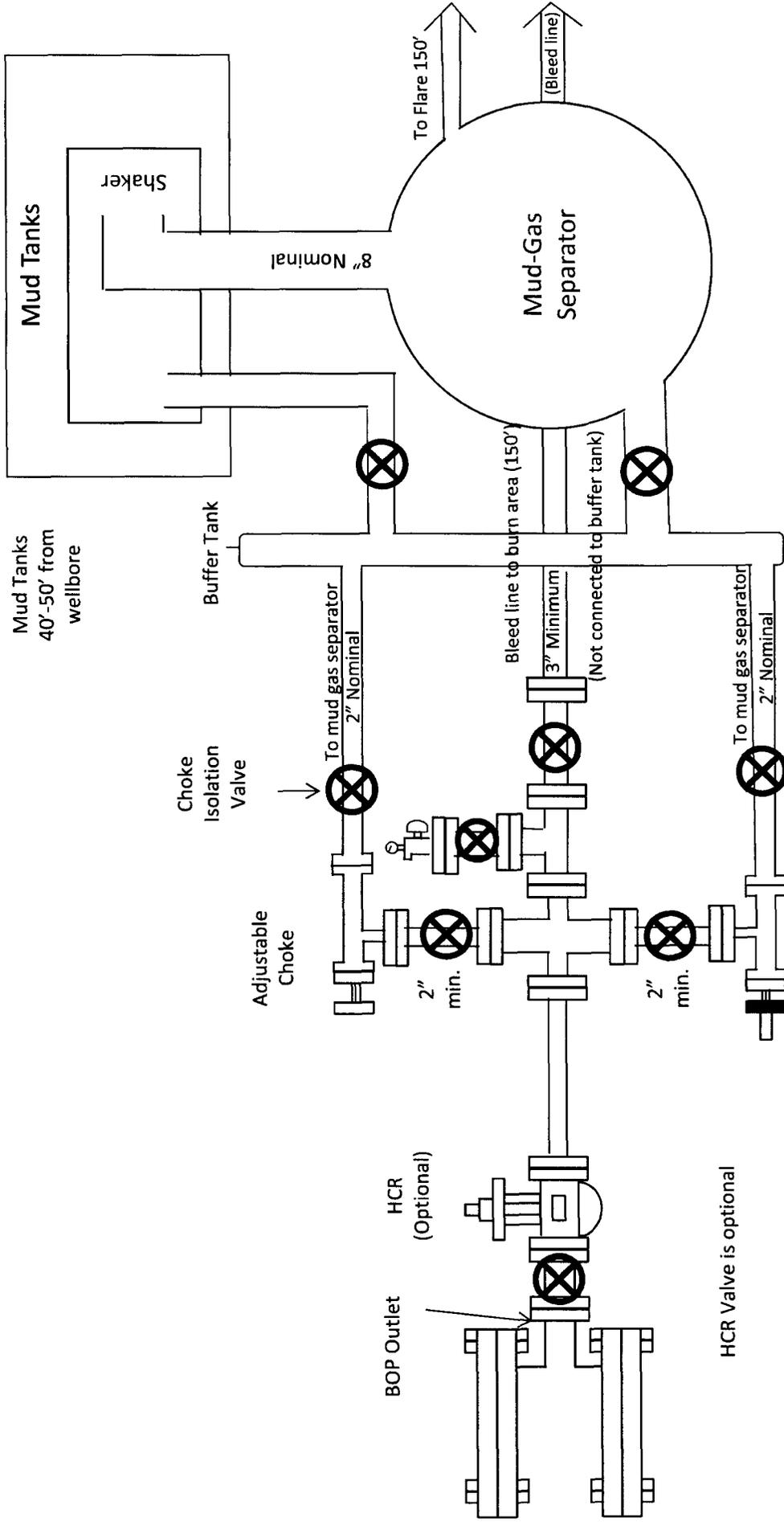
550 Bailey Ave., 205 - Fort Worth, TX 76107
 Ph: 817.349.9800 - Fax: 979.732.5271
 TBPE Firm 17957 | TBPLS Firm 10193887
www.fscinc.net
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DATE:	1-15-2018	PROJECT NO:	2017081251
DRAWN BY:	AW	SCALE:	1" = 5,000'
CHECKED BY:	DH	SHEET:	1 OF 1
FIELD CREW:	RE/KN/CD	REVISION:	NO



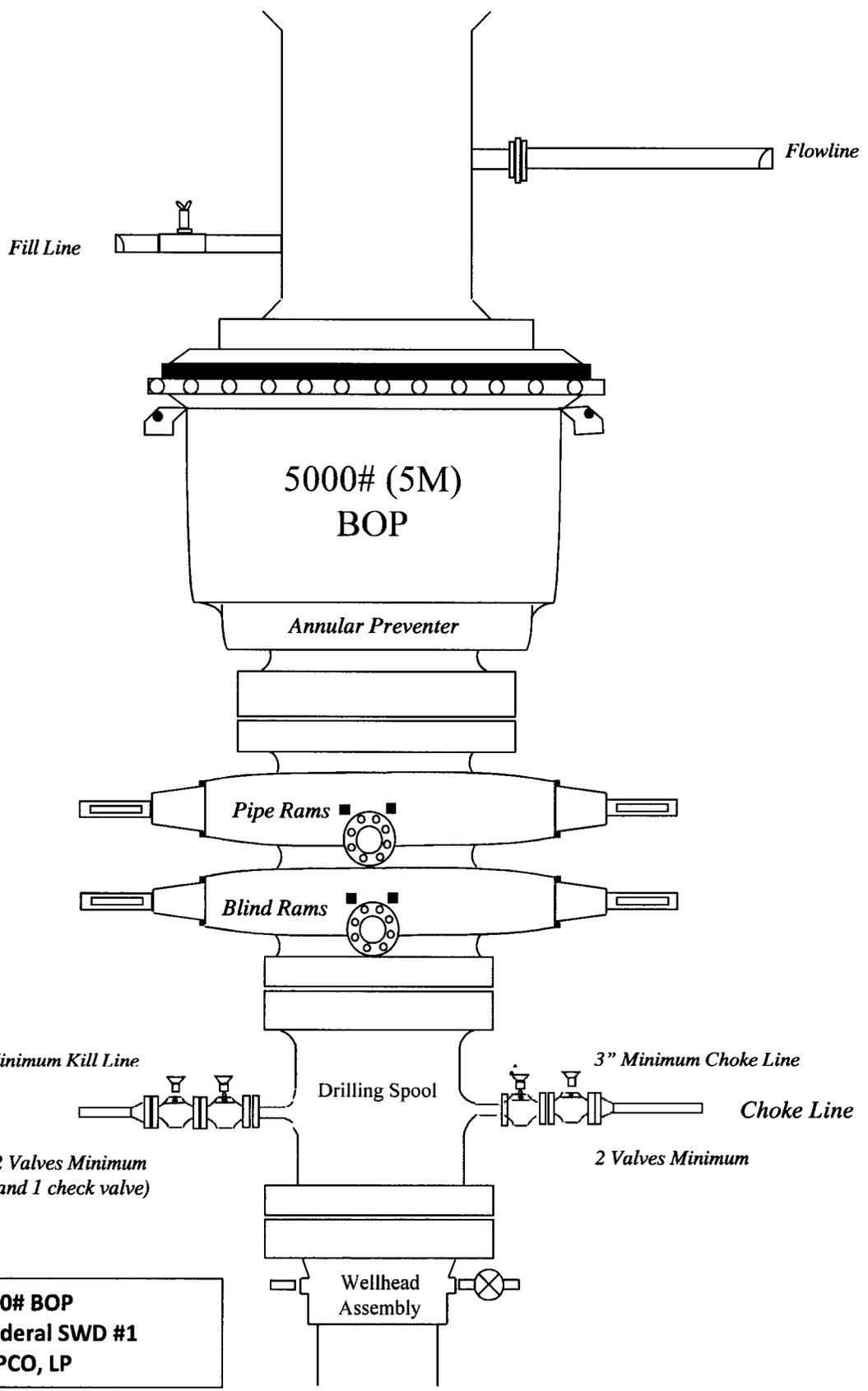
SRR & A

2000# BOP
 BEU 14 Federal SWD #1
 BOPCO

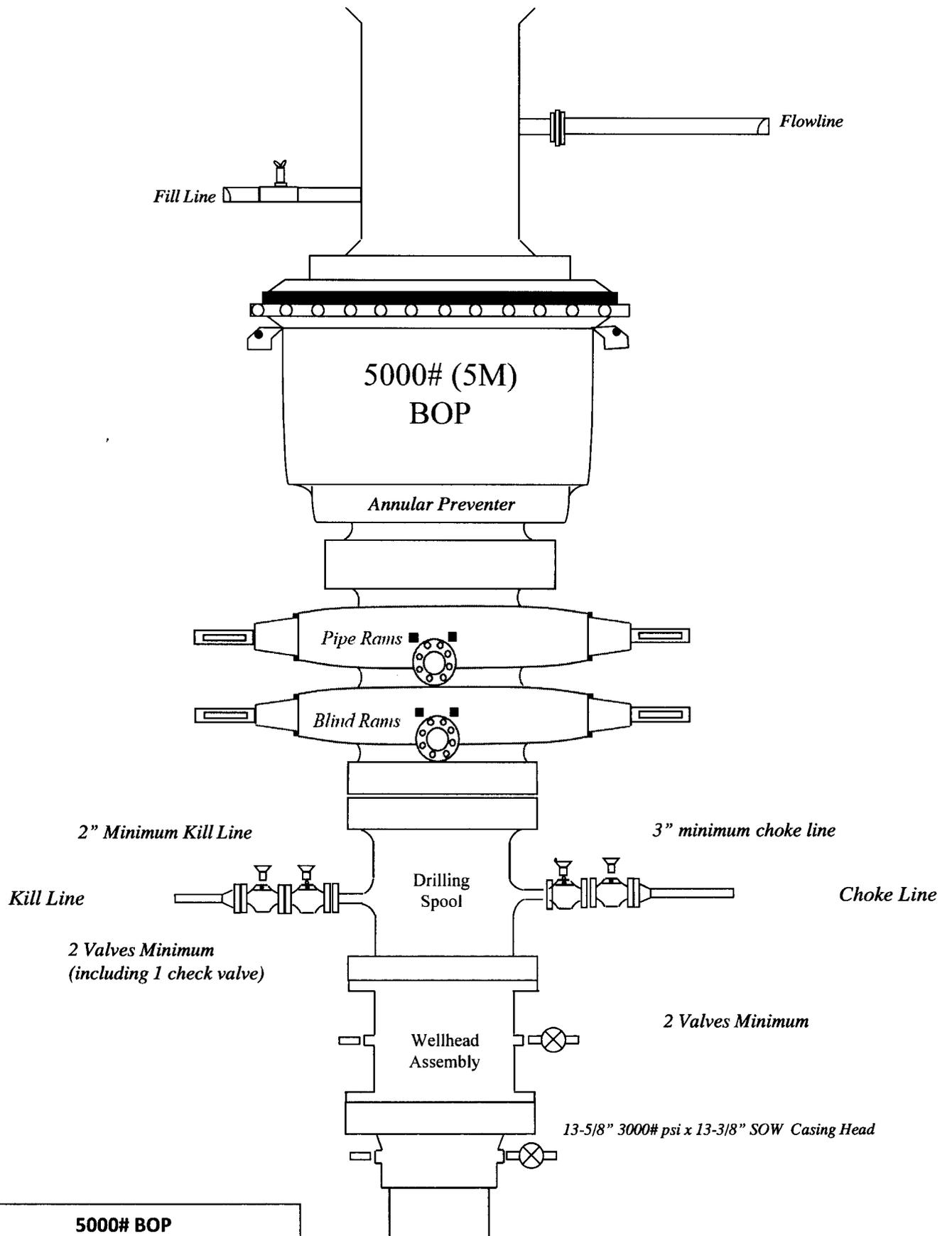


2M & 3M Choke Manifold Diagram
 BEU 14 Federal SWD #1
 BOPCO, LP

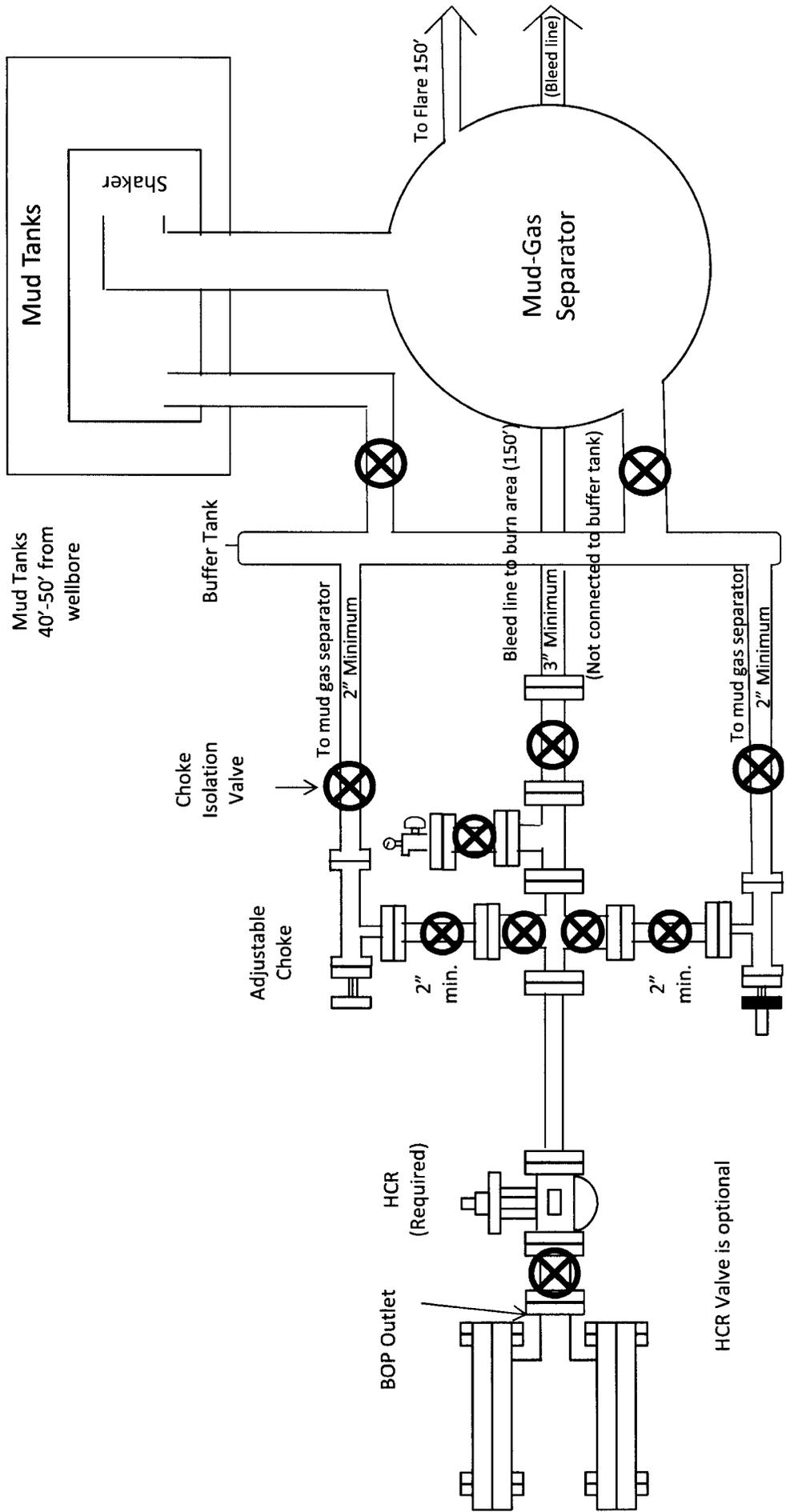
**Drilling Operations
 Choke Manifold
 2M & 3M Service**



**5000# BOP
 BEU 14 Federal SWD #1
 BOPCO, LP**



5000# BOP
BEU 14 Federal SWD #1
BOPCO, LP



5M Choke Manifold Diagram
 BEU 14 Federal SWD #1
 BOPCO, LP

**Drilling Operations
 Choke Manifold
 5M Service**

BOP Outlet
 HCR
 (Required)

HCR Valve is optional

Choke
 Isolation
 Valve

Adjustable
 Choke

To mud gas separator
 2" Minimum

2" min.

Bleed line to burn area (150')
 3" Minimum
 (Not connected to buffer tank)

To mud gas separator
 2" Minimum

REMOTELY
 OPERATED
 Adjustable
 Choke

Choke
 Isolation
 Valve

Mud Tanks
 40'-50' from
 wellbore

Buffer Tank

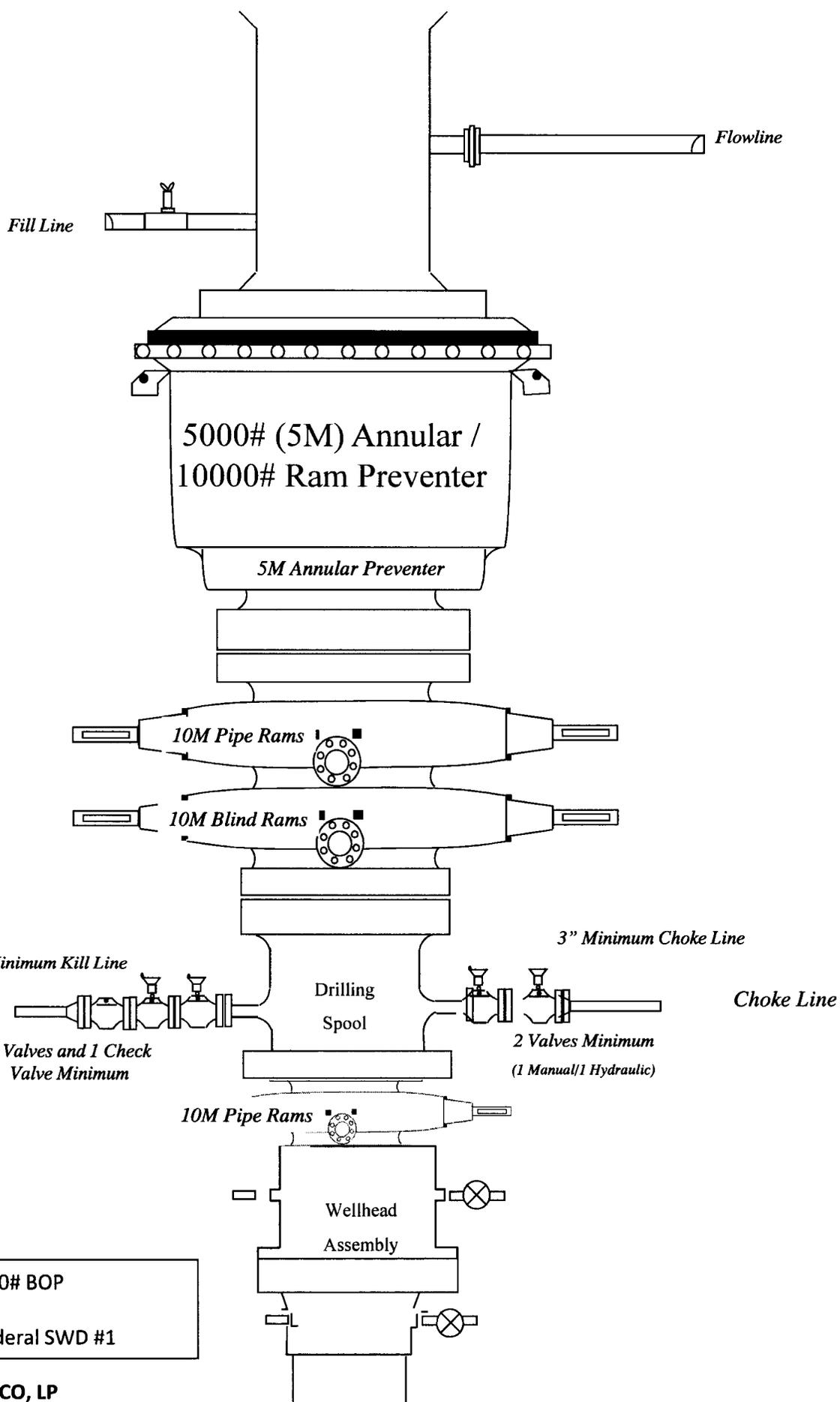
Mud Tanks

Shaker

Mud-Gas
 Separator

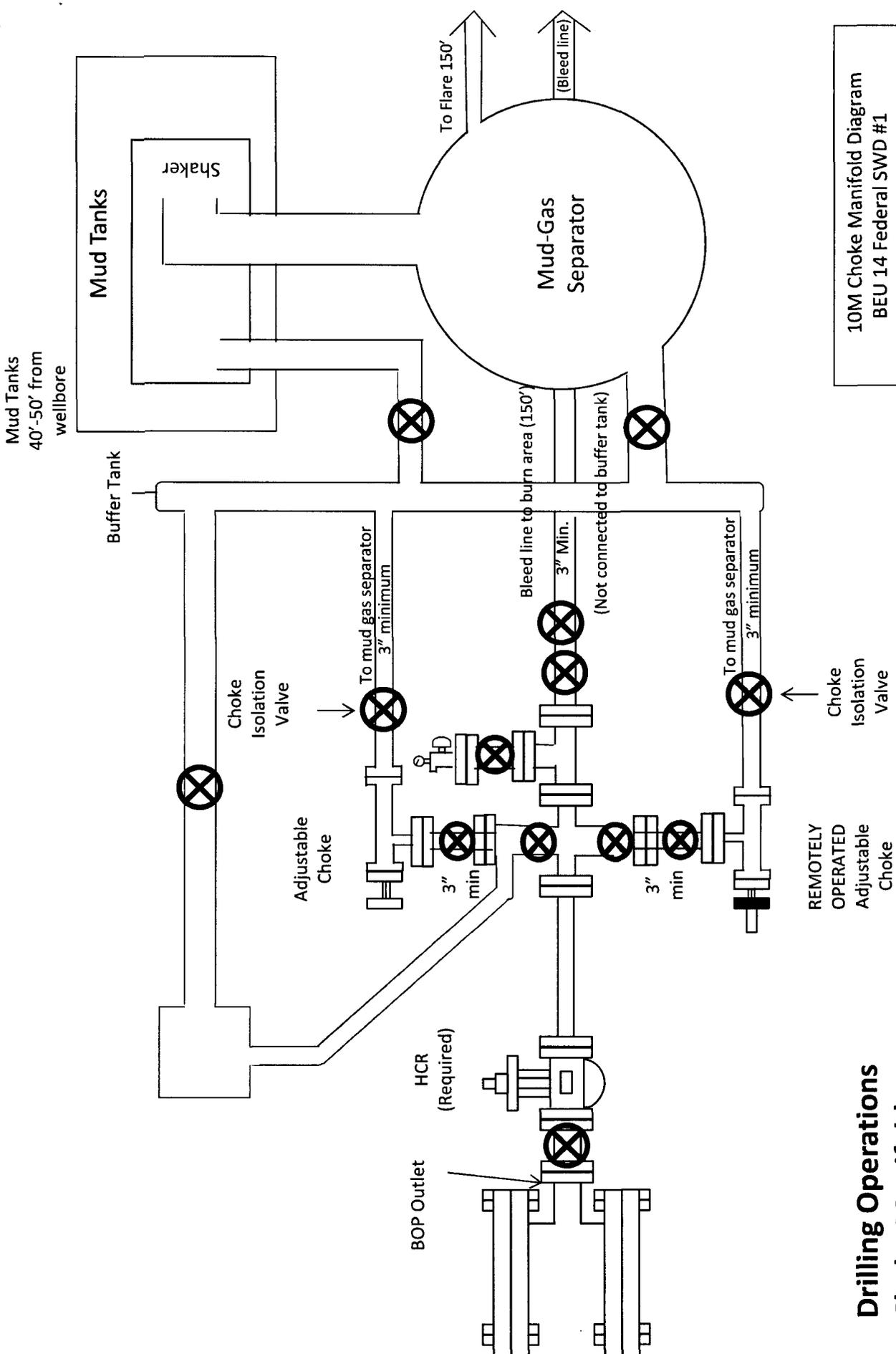
To Flare 150'

(Bleed line)



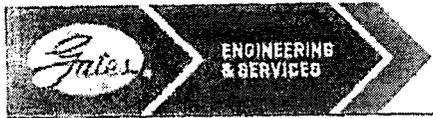
10000# BOP
 BEU 14 Federal SWD #1

BOPCO, LP



10M Choke Manifold Diagram
 BEU 14 Federal SWD #1
 BOPCO

**Drilling Operations
 Choke Manifold
 10M Service**



GATES E & S NORTH AMERICA, INC
 DU-TEX
 134 44TH STREET
 CORPUS CHRISTI, TEXAS 78405

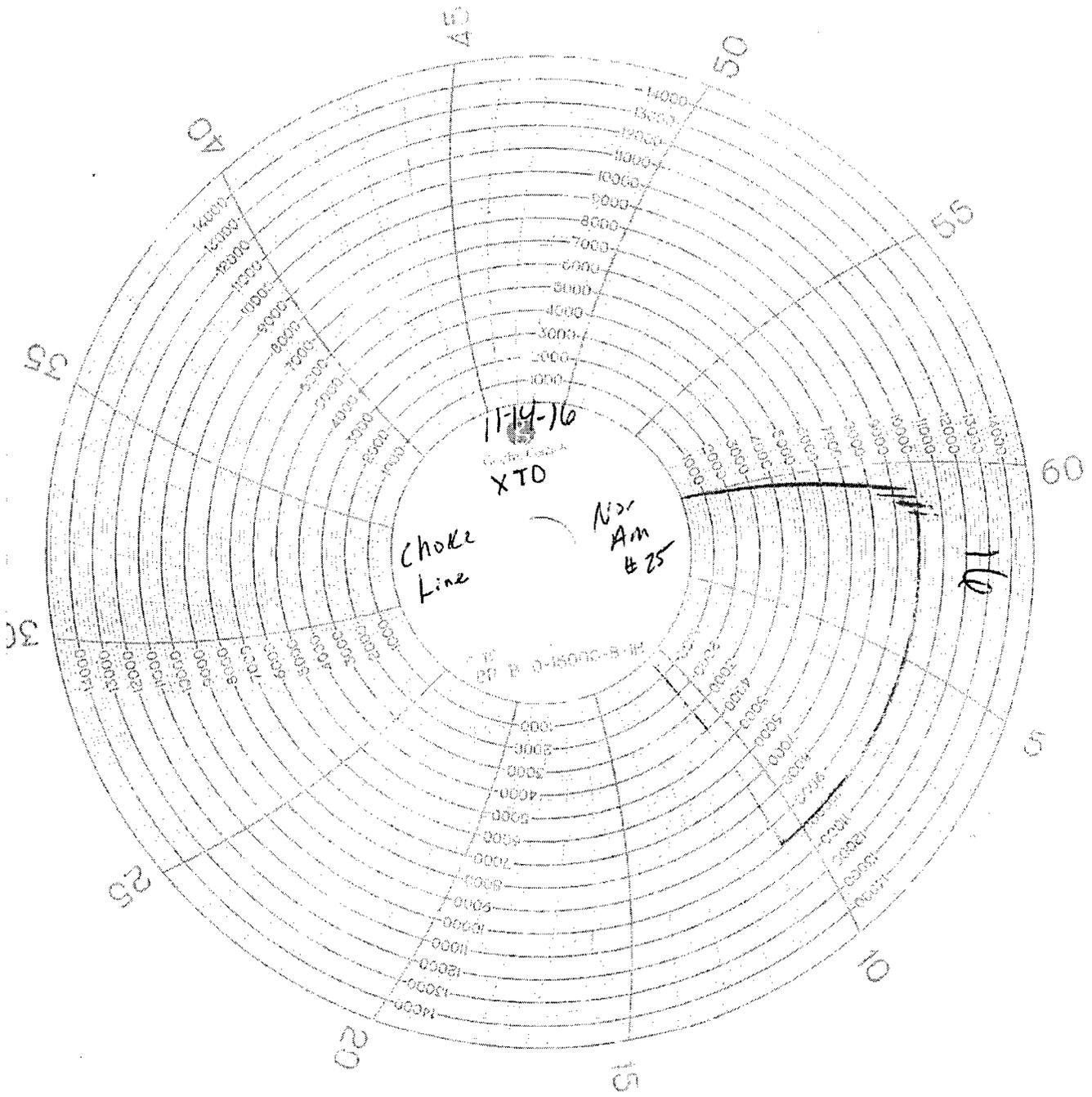
PHONE: 361-887-9807
 FAX: 361-887-0812
 EMAIL: crpe&s@gates.com
 WEB: www.gates.com

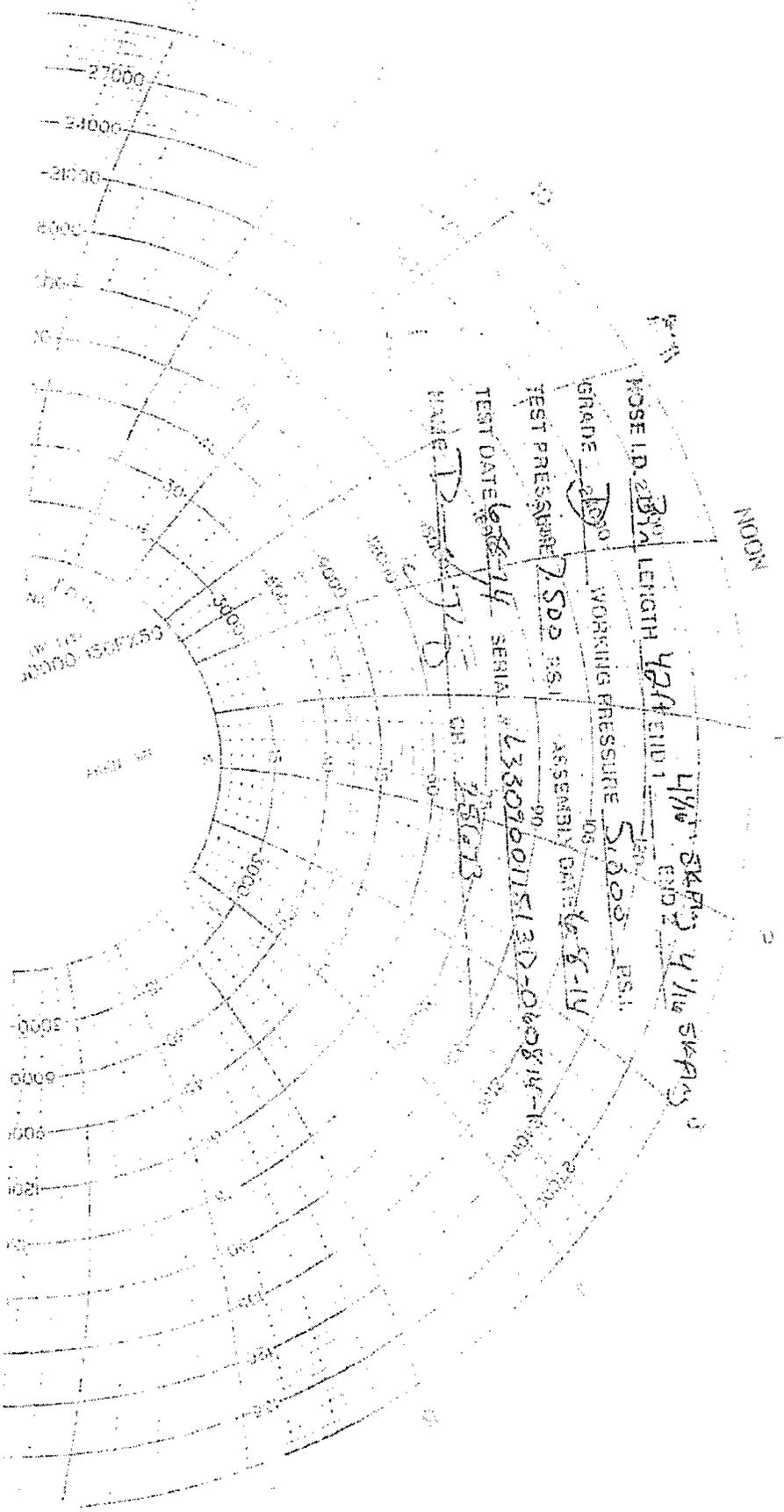
GRADE D PRESSURE TEST CERTIFICATE

Customer :	AUSTIN DISTRIBUTING	Test Date:	6/8/2014
Customer Ref. :	PENDING	Hose Serial No.:	D-060814-1
Invoice No. :	201709	Created By:	NORMA
Product Description:	FD3.042.0R41/16.5KFLGE;E LE		
End Fitting 1 :	4 1/16 in. SK FLG	End Fitting 2 :	4 1/16 in. SK FLG
Gates Part No. :	4774-6001	Assembly Code :	L33090011513D-060814-1
Working Pressure :	5,000 PSI	Test Pressure :	7,500 PSI

Gates E & S North America, Inc. certifies that the following hose assembly has been tested to the Gates Oilfield Roughneck Agreement/Specification requirements and passed the 15 minute hydrostatic test per API Spec 7K/Q1, Fifth Edition, June 2010, Test pressure 9.6.7 and per Table 9 to 7,500 psi in accordance with this product number. Hose burst pressure 9.6.7.2 exceeds the minimum of 2.5 times the working pressure per Table 9.

Quality:	QUALITY	Technical Supervisor :	PRODUCTION
Date :	6/8/2014	Date :	6/8/2014
Signature :	<i>[Signature]</i>	Signature :	<i>[Signature]</i>





HOSE I.D. 2 1/2" GRADE 2000

LENGTH 100' WORKING PRESSURE 2000 PS.I.

TEST PRESSURE 2500 PS.I. ASSEMBLY DATE 8-14

TEST DATE 8-14 SERIAL # 63309001513D-060814-16000

MANUFACTURER SAFARI ON 2500

4 1/2" SKIPS 4 1/2" SKIPS
END 1 END 2

NOON

55745309000