

14-585

Form 3160-3
(March 2012)

OCD Hobbs

HOBBS OCD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 20 2014

APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 20145. Lease Serial No.
SHL: NMLC0063228; BHL: NMNM086154

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.

Triste Draw 25 Fed Com #9H

9. API Well No.

30-025-42198

10. Field and Pool, or Exploratory
Bone Spring/Wildcat

11. Sec., T. R. M. or Blk. and Survey and Area

25, 23S, 32E

12. County or Parish

Lea

13. State

NM

1a. Type of Work



DRILL



REENTER

1b. Type of Well



Oil Well



Gas Well



Other



Single Zone



Multiple Zone

2. Name of Operator

Cimarex Energy Co.

3a. Address

202 S. Cheyenne Ave., Ste 1000, Tulsa, OK 74103

3b. Phone No. (include area code)

918-585-1100

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At Surface

330 FSL & 1290 FWL

Unit M

At proposed prod. Zone

330 FNL & 1310 FWL

Unit D

Bone Spring

14. Distance in miles and direction from nearest town or post office*

28 miles NW of Jal, NM

15. Distance from proposed* location to
nearest property or lease line, ft. (Also to
nearest drig. unit line if any)

330

16. No of acres in lease

NMLC0063228=1600.00 acres
NMNM086154=280.00 acres

17. Spacing Unit dedicated to this well

320.00

18. Distance from proposed* location to
nearest well, drilling, completed,
applied for, on this lease, ft.20' from the #
10H

19. Proposed Depth

Pilot Hole TD: N/A

14,221 MD

9,800 TVD

20. BLM/BIA Bond No. on File

NM2575; NMB000835

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

3680 GR

22. Approximate date work will start*

5/26/14

23. Estimated duration

35 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor
- A Drilling Plan
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator Certification
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Name (Printed/Typed)

Terri Stathem

Date

2/28/14

Title

Regulatory Compliance

Approved By (Signature)

Steve Caffey

Name (Printed/Typed)

CARLSBAD FIELD OFFICE

Date

OCT 15 2014

Title

FIELD MANAGER

Application approval 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.

Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

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.

(Continued on page 2)

Carlsbad Controlled Water Basin

Approval Subject to General Requirements
& Special Stipulations AttachedSEE ATTACHED FOR
CONDITIONS OF APPROVAL
OCT 23 2014

*(Instructions on page 2)

Application to Drill
Triste Draw 25 Fed Com #9H

Cimarex Energy Co.
UL: M, Sec. 25, 23S, 32E
Lea Co., NM

HOBBS OCD

OCT 20 2014

RECEIVED

In response to questions asked under Section II B of Bulletin NTL-6, the following information is provided for your consideration:

1. **Location:** SHL 330 FSL & 1290 FWL
BHL 330 FNL & 1310 FWL
2. **Elevation Above Sea Level:** 3,680' GR
3. **Geologic Name of Surface Formation:** Quaternary Alluvium Deposits
4. **Drilling Tools and Associated Equipment:** Conventional rotary drilling rig using fluid as a circulating medium for solids removal
5. **Proposed Drilling Depth:** 14,221 MD 9,800 TVD Pilot Hole TD: N/A
6. **Estimated Tops of Geological Markers:**

Formation	Est Top	Bearing
Rustler		1220; N/A
Salt		2450; N/A
Castille		3600 N/A
Base Last Salt		4780 N/A
Lamar		4990 N/A
Bell Canyon		5040; Hydrocarbons
Cherry Canyon		6150 N/A
Brush Canyon		7200; Hydrocarbons
Bone Spring		8850; Hydrocarbons
Avalon Shale		9450; Hydrocarbons

7. **Possible Mineral Bearing Formation:** Shown above

7A. **OSE Ground Water Estimated Depth:** 475'

8. **Casing Program:**

Name	Casing Depth From (ft)	Casing Setting Depth (ft) MD	Casing Setting Depth (ft) TVD	Open Hole Size (inches)	Casing Size (inches)	Casing Weight (lb/ft)	Casing Grade	Thread	Condition	BHP (psig)	Anticipated Mud Weight (ppg)	Collapse SF at Full Evacuation(1.125)	Collapse SF at 1/3 Evacuation(1.125)	Burst SF (1.125)	Cumulative Air Weight	Cumulative Bouyed Weight (lbs)	Bouyant Tension SF (1.8)
Surface	0	1270	1270	17 1/2	13-3/8"	48.00	H-40	ST&C	New	548	8.3	1.35		3.16	60,960	53,235	6.05
Intermediate	0	5000	5000	12 1/4	9-5/8"	40.00	J-55	LT&C	New	2600	10.0		1.51	1.52	200,000	169,466	3.07
Production	0	9322	9323	8 3/4	5-1/2"	17.00	L-80	LT&C	New	4363	9.0	1.44		1.77	166,617	143,723	2.35
Production	9323	14221	9800	8 3/4	5-1/2"	17.00	L-80	BT&C	New	4586	9.0	1.37		1.69	8,126	7,009	56.64

Note: Operator may drill a 8-1/2" OH from end of curve to TD of the well. This is to reduce the need to ream the conventionally drilled curve to run a RSS assembly into the lateral.

Application to Drill
Triste Draw 25 Fed Com #9H
 Cimarex Energy Co.
 UL: M, Sec. 25, 23S, 32E
 Lea Co., NM

8A. Casing Design and Casing Loading Assumptions:

Surface	Tension	A 1.8 design factor with effects of buoyancy: 8.30 ppg.
	Collapse	A 1.125 design factor with full internal evacuation and a collapse force equal to a 8.30 ppg mud gradient.
	Burst	A 1.125 design with a surface pressure equal to the fracture gradient at setting depth less gas gradient to surface.
Intermediate	Tension	A 1.8 design factor with effects of buoyancy: 10.00 ppg.
	Collapse	A 1.125 design factor evacuated 1/3 TVD of next casing string with a collapse force equal to a 10.00 ppg mud gradient. During the running of the casing, the operator will stop and fill the casing as need to ensure it does not collapse.
	Burst	A 1.125 design with a surface pressure equal to the fracture gradient at setting depth less gas gradient to surface.
Production and/or Production Completion System	Tension	A 1.8 design factor with effects of buoyancy: 9.00 ppg.
	Collapse	A 1.125 design factor with full internal evacuation of next casing string with a collapse force equal to a 9.00 ppg mud gradient.
	Burst	A 1.125 design with a surface pressure equal to the fracture gradient at setting depth less gas gradient to surface.

9. Cementing Program:

Casing Type	Type	Sacks	Yield	Weight	Cubic Feet	Cement Blend
Surface	Lead	605	1.75	13.50	1058	Class C + Bentonite + Calcium Chloride + LCM, 8.829 gps water
	Tail	165	1.34	14.80	220	Class C + LCM, 6.320 gps water
	TOC: 0		45% Excess			Centralizers per Onshore Order 2.III.B.1f
Intermediate	Lead	895	1.88	12.90	1681	35:65 (Poz:C) + Salt + Bentonite + LCM + Retarder, 9.650 gps water
	Tail	292	1.34	14.80	391	Class C + Retarder + LCM, 6.320 gps water
	TOC: 0		44% Excess			
Production	Lead	525	2.40	11.90	1258	35:65 (poz:H) + Salt + Sodium Metasilcate + Bentonite + Fluid Loss + Dispersant + LCM + Retarder, 13.800 gps water
	Tail	1211	1.24	14.50	1501	50:50(Poz:H) + Bentonite + Salt + Fluid Loss + Dispersant + LCM + Retarder, 5.550 gps water
	TOC: 4800		16% Excess			No centralizers planned in the lateral section. 1 every jt from EOC to KOP. 1 every 4th joint from KOP to 500' inside previous casing.

Cement volumes will be adjusted depending on hole size

9a. Proposed Drilling Plan:

Pilot Hole TD: No Pilot KOP: 9,322' EOC: 10,074'

Set Surface and Intermediate casing strings. Drill production hole to KOP. Continue drilling lateral through the curve to TD. Run prod casing & cement.

10. Pressure Control Equipment:

Exhibit "E-1". A BOP consisting of two rams with blind rams and pipe rams, and one annular preventer. Below the surface casing, a 2M system will be used. Below the intermediate casing, a 3M system will be used. See attachments for BOP and choke manifold diagrams. An accumulator that meets the requirements in Onshore Order #2 for the pressure rating of the BOP stack. A Rotating head may be installed as needed. A kelly cock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.

BOP and associated equipment will be installed, used, maintained, and tested in a manner necessary to assure well control and shall be in place and operational prior to drilling the surface casing shoe. The Annular Preventer shall be functioned at least weekly. The pipe and blind rams will be operated each trip. No abnormal pressure or temperature is expected while drilling.

BOPS will be tested by an independent service company. The ram preventers, choke manifold, and safety valves will be tested as follows: On the surface casing, pressure tests will be made to 250 psi low and 2000 psi high. On the intermediate casing, pressure tests will be made to 250 psi low and 3000 psi high.

The Annular Preventer will be tested to 250 psi low and 1000 psi high on the surface casing, and 250 low and 1500 high on the intermediate casing.

Cimarex Energy Co. of Colorado requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached (please see Exhibit F, F-1, F-2, F-3). The hose is not required by the manufacturer to be anchored. In the event the specific hose is not available, one of equal or higher rating will be used.

Application to Drill
Triste Draw 25 Fed Com #9H
Cimarex Energy Co.
UL: M, Sec. 25, 23S, 32E
Lea Co., NM

11. Proposed Mud Circulating System:

Depth	Mud Weight	Visc	Fluid Loss	Type Mud
0' to 1270'	7.80 - 8.30	28	NC	FW Spud Mud
1270' to 5000'	9.50 - 10.00	30-32	NC	Brine Water
5000' to 14221'	8.50 - 9.00	30-32	NC	FW/Cut Brine

Sufficient mud materials will be kept on location at all times in order to combat lost circulation or unexpected kicks. In order to run DSTs, open hole logs, and casing, the viscosity and water loss may have to be adjusted in order to meet these needs.

The Mud Monitoring System is an electronic Pason System satisfying requirements of Onshore Order 1.

12. Testing, Logging and Coring Program:

- A. Mud logging program: 2 man unit from 5000 to TD
- B. Electric logging program: CNL / LDT / CAL / GR, DLL /GR -- Inter. Csg to TD
CNL /GR -- Surf to Inter. Csg
- C. No DSTs or cores are planned at this time
- D. CBL w/ CCL from as far as gravity will let it fall to TOC

13. Potential Hazards:

See COA
No abnormal pressures or temperatures are expected. In accordance with Onshore Order 6, Cimarex does not anticipate that there will be enough H₂S from the surface to the Bone Spring formations to meet the BLM's minimum requirements for the submission of an "H₂S Drilling Operation Plan" or "Public Protection Plan" for the drilling and completion of this well. Since we have an H₂S Safety package on all wells, attached is an "H₂S Drilling Operations Plan." Adequate flare lines will be installed off the mud / gas separator where gas may be flared safely. All personnel will be familiar with all aspects of safe operation of equipment being used.

Estimated BHP: 4410 psi

Estimated BHT: 159°

14. Construction and Drilling:

Road and location construction will begin after BLM approval of APD. Anticipated spud date as soon as approved.

Drilling expected to take: 35 days.

If production casing is run an additional 30 days will be required to complete and construct surface facilities.

15. Other Facets of Operations:

If production casing is run an additional 30 days will be required to complete and construct surface facilities.

Bone Spring pay will be perforated and stimulated.

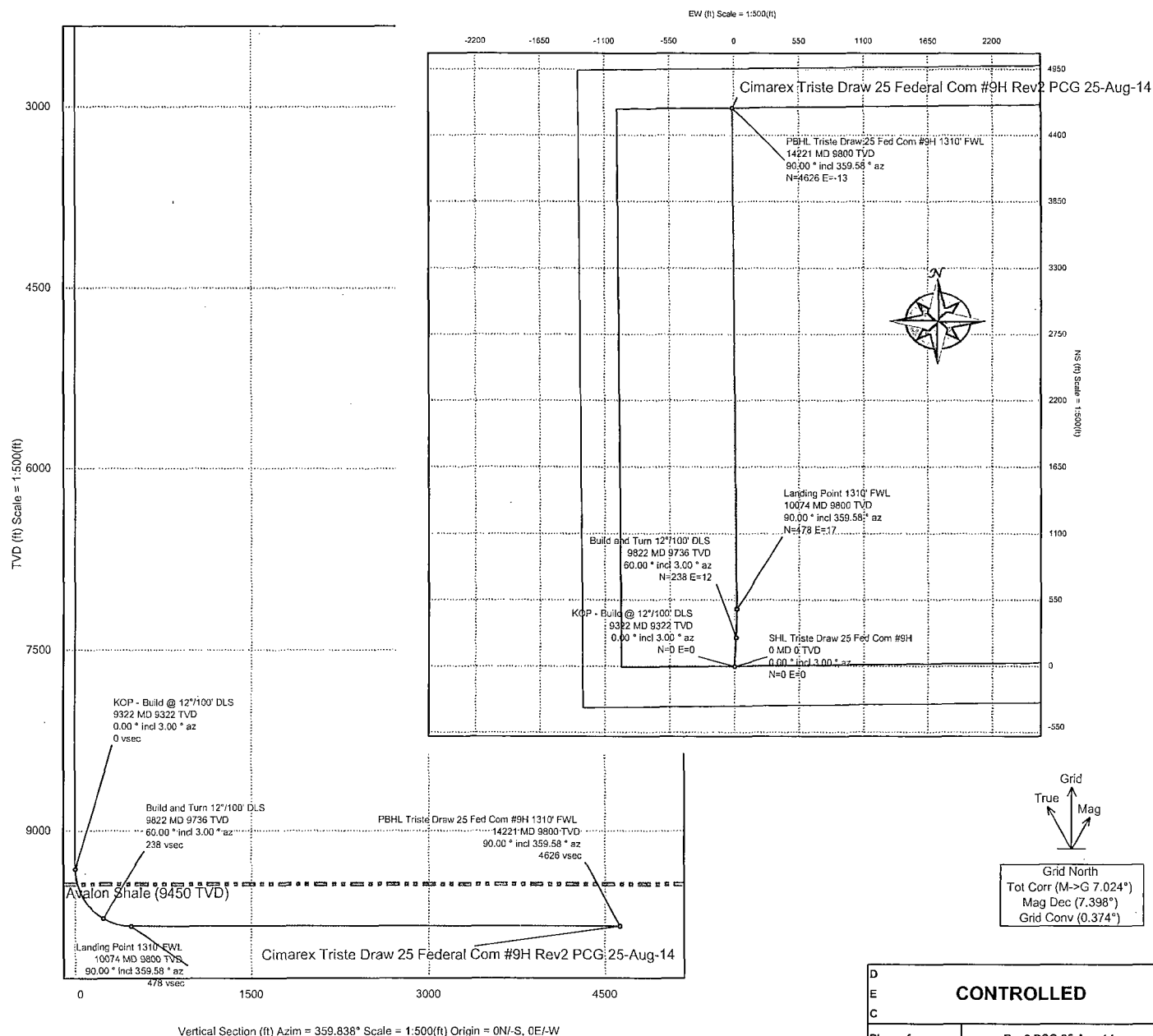
The proposed well will be tested and potentialized as **Oil**



Cimarex

PATHFINDER
A Schlumberger Company

Borehole: Original Borehole	Well: Triste Draw 25 Federal Com #9H	Field: NM Lea County	Structure: TBD
Gravity & Magnetic Parameters			
Model: BGGM 2014 Dip: 60.136° Date: 07-Jul-2014	Surface Location: NAD83 New Mexico State Plane, Eastern Zone, US Feet	Miscellaneous	
MagDec: 7.398° FS: 48264.05nT Gravity FS: 998.691mgN (9.80665 Based)	Lat: N 32 16 9.67 Northing: 462430.6ftUS Grid Conv: 0.3741°	Slot: 25 Federal TVD Ref: Ground Level	
	Lon: W 103 37 57.73 Easting: 757889.7ftUS Scale Fact: 0.9999628	Plan: Rev2 PCG 25-Aug-14	



Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)S(-)	E(+)W(-)	DLS
SHL Triste Draw 25 Fed Com #9H	0.00	0.00	3.00	0.00	0.00	0.00	0.00	
KOP - Build @ 12°/100' DLS	9322.15	0.00	3.00	9322.15	0.00	0.00	0.00	0.00
Avalon Shale	9451.58	15.53	3.00	9450.00	17.41	17.41	0.91	12.00
Build and Turn 12°/100' DLS	9822.15	60.00	3.00	9735.65	238.37	238.41	12.49	12.00
Landing Point 1310' FWL	10073.59	90.00	359.58	9800.00	478.37	478.42	17.38	12.00
PBHL Triste Draw 25 Fed Com #9H 1310' FWL	14220.95	90.00	359.58	9800.00	4625.70	4625.68	-13.10	0.00

CONTROLLED	
Plan ref	Rev2 PCG 25-Aug-14
Drawing ref	
Copy number	1 of 1
Date	25-Aug-2014
1	Originator
2	DE Sign Off Authority
3	D&M Line Manager
4	Client
Copy number for	

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
	6800.00	0.00	3.00	6800.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	6900.00	0.00	3.00	6900.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	7000.00	0.00	3.00	7000.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	7100.00	0.00	3.00	7100.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	7200.00	0.00	3.00	7200.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	7300.00	0.00	3.00	7300.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	7400.00	0.00	3.00	7400.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	7500.00	0.00	3.00	7500.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	7600.00	0.00	3.00	7600.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	7700.00	0.00	3.00	7700.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	7800.00	0.00	3.00	7800.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	7900.00	0.00	3.00	7900.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	8000.00	0.00	3.00	8000.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	8100.00	0.00	3.00	8100.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	8200.00	0.00	3.00	8200.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	8300.00	0.00	3.00	8300.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	8400.00	0.00	3.00	8400.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	8500.00	0.00	3.00	8500.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	8600.00	0.00	3.00	8600.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	8700.00	0.00	3.00	8700.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	8800.00	0.00	3.00	8800.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	8900.00	0.00	3.00	8900.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	9000.00	0.00	3.00	9000.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	9100.00	0.00	3.00	9100.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	9200.00	0.00	3.00	9200.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	9300.00	0.00	3.00	9300.00	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
KOP - Build @ 12°/100' DLS	9322.15	0.00	3.00	9322.15	0.00	0.00	0.00	0.00	462430.60	757889.70	N 32 16 9.67	W 103 37 57.73
	9400.00	9.34	3.00	9399.66	6.32	6.32	0.33	12.00	462436.92	757890.03	N 32 16 9.73	W 103 37 57.72
Avalon Shale	9451.58	15.53	3.00	9450.00	17.41	17.41	0.91	12.00	462448.01	757890.61	N 32 16 9.84	W 103 37 57.72
	9500.00	21.34	3.00	9495.92	32.69	32.70	1.71	12.00	462463.30	757891.41	N 32 16 9.99	W 103 37 57.71
	9600.00	33.34	3.00	9584.58	78.47	78.48	4.11	12.00	462509.08	757893.81	N 32 16 10.45	W 103 37 57.68
	9700.00	45.34	3.00	9661.78	141.65	141.67	7.42	12.00	462572.27	757897.12	N 32 16 11.07	W 103 37 57.63
	9800.00	57.34	3.00	9724.13	219.48	219.51	11.50	12.00	462650.10	757901.20	N 32 16 11.84	W 103 37 57.58
Build and Turn 12°/100' DLS	9822.15	60.00	3.00	9735.65	238.37	238.41	12.49	12.00	462669.00	757902.19	N 32 16 12.03	W 103 37 57.57
	9900.00	69.28	1.82	9768.95	308.57	308.61	15.42	12.00	462739.20	757905.12	N 32 16 12.72	W 103 37 57.53
	10000.00	81.22	0.49	9794.37	405.07	405.12	17.34	12.00	462835.71	757907.04	N 32 16 13.68	W 103 37 57.50
Landing Point 1310' FWL	10073.59	90.00	359.58	9800.00	478.37	478.42	17.38	12.00	462909.00	757907.08	N 32 16 14.40	W 103 37 57.49
	10100.00	90.00	359.58	9800.00	504.78	504.83	17.19	0.00	462935.41	757906.89	N 32 16 14.67	W 103 37 57.49
	10200.00	90.00	359.58	9800.00	604.78	604.83	16.46	0.00	463035.41	757906.16	N 32 16 15.65	W 103 37 57.49
	10300.00	90.00	359.58	9800.00	704.78	704.83	15.72	0.00	463135.40	757905.42	N 32 16 16.64	W 103 37 57.49
	10400.00	90.00	359.58	9800.00	804.78	804.82	14.99	0.00	463235.39	757904.69	N 32 16 17.63	W 103 37 57.49
	10500.00	90.00	359.58	9800.00	904.78	904.82	14.26	0.00	463335.39	757903.96	N 32 16 18.62	W 103 37 57.49
	10600.00	90.00	359.58	9800.00	1004.78	1004.82	13.52	0.00	463435.38	757903.22	N 32 16 19.61	W 103 37 57.50
	10700.00	90.00	359.58	9800.00	1104.78	1104.82	12.79	0.00	463535.37	757902.49	N 32 16 20.60	W 103 37 57.50
	10800.00	90.00	359.58	9800.00	1204.78	1204.81	12.06	0.00	463635.37	757901.76	N 32 16 21.59	W 103 37 57.50

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	10900.00	90.00	359.58	9800.00	1304.77	1304.81	11.32	0.00	463735.36	757901.02	N 32 16 22.58	W 103 37 57.50
	11000.00	90.00	359.58	9800.00	1404.77	1404.81	10.59	0.00	463835.35	757900.29	N 32 16 23.57	W 103 37 57.50
	11100.00	90.00	359.58	9800.00	1504.77	1504.81	9.86	0.00	463935.35	757899.55	N 32 16 24.56	W 103 37 57.50
	11200.00	90.00	359.58	9800.00	1604.77	1604.80	9.12	0.00	464035.34	757898.82	N 32 16 25.55	W 103 37 57.50
	11300.00	90.00	359.58	9800.00	1704.77	1704.80	8.39	0.00	464135.33	757898.09	N 32 16 26.54	W 103 37 57.50
	11400.00	90.00	359.58	9800.00	1804.77	1804.80	7.65	0.00	464235.33	757897.35	N 32 16 27.53	W 103 37 57.50
	11500.00	90.00	359.58	9800.00	1904.77	1904.80	6.92	0.00	464335.32	757896.62	N 32 16 28.52	W 103 37 57.50
	11600.00	90.00	359.58	9800.00	2004.77	2004.79	6.18	0.00	464435.31	757895.88	N 32 16 29.51	W 103 37 57.50
	11700.00	90.00	359.58	9800.00	2104.77	2104.79	5.45	0.00	464535.31	757895.15	N 32 16 30.50	W 103 37 57.51
	11800.00	90.00	359.58	9800.00	2204.76	2204.79	4.71	0.00	464635.30	757894.41	N 32 16 31.49	W 103 37 57.51
	11900.00	90.00	359.58	9800.00	2304.76	2304.78	3.98	0.00	464735.29	757893.68	N 32 16 32.48	W 103 37 57.51
	12000.00	90.00	359.58	9800.00	2404.76	2404.78	3.25	0.00	464835.29	757892.95	N 32 16 33.47	W 103 37 57.51
	12100.00	90.00	359.58	9800.00	2504.76	2504.78	2.51	0.00	464935.28	757892.21	N 32 16 34.46	W 103 37 57.51
	12200.00	90.00	359.58	9800.00	2604.76	2604.78	1.78	0.00	465035.27	757891.48	N 32 16 35.44	W 103 37 57.51
	12300.00	90.00	359.58	9800.00	2704.76	2704.77	1.04	0.00	465135.27	757890.74	N 32 16 36.43	W 103 37 57.51
	12400.00	90.00	359.58	9800.00	2804.76	2804.77	0.30	0.00	465235.26	757890.00	N 32 16 37.42	W 103 37 57.51
	12500.00	90.00	359.58	9800.00	2904.76	2904.77	-0.43	0.00	465335.25	757889.27	N 32 16 38.41	W 103 37 57.51
	12600.00	90.00	359.58	9800.00	3004.76	3004.77	-1.17	0.00	465435.25	757888.53	N 32 16 39.40	W 103 37 57.51
	12700.00	90.00	359.58	9800.00	3104.76	3104.76	-1.90	0.00	465535.24	757887.80	N 32 16 40.39	W 103 37 57.52
	12800.00	90.00	359.58	9800.00	3204.75	3204.76	-2.64	0.00	465635.23	757887.06	N 32 16 41.38	W 103 37 57.52
	12900.00	90.00	359.58	9800.00	3304.75	3304.76	-3.37	0.00	465735.23	757886.33	N 32 16 42.37	W 103 37 57.52
	13000.00	90.00	359.58	9800.00	3404.75	3404.75	-4.11	0.00	465835.22	757885.59	N 32 16 43.36	W 103 37 57.52
	13100.00	90.00	359.58	9800.00	3504.75	3504.75	-4.84	0.00	465935.21	757884.86	N 32 16 44.35	W 103 37 57.52
	13200.00	90.00	359.58	9800.00	3604.75	3604.75	-5.58	0.00	466035.21	757884.12	N 32 16 45.34	W 103 37 57.52
	13300.00	90.00	359.58	9800.00	3704.75	3704.75	-6.32	0.00	466135.20	757883.38	N 32 16 46.33	W 103 37 57.52
	13400.00	90.00	359.58	9800.00	3804.75	3804.74	-7.05	0.00	466235.19	757882.65	N 32 16 47.32	W 103 37 57.52
	13500.00	90.00	359.58	9800.00	3904.75	3904.74	-7.79	0.00	466335.19	757881.91	N 32 16 48.31	W 103 37 57.52
	13600.00	90.00	359.58	9800.00	4004.75	4004.74	-8.53	0.00	466435.18	757881.17	N 32 16 49.30	W 103 37 57.52
	13700.00	90.00	359.58	9800.00	4104.75	4104.74	-9.26	0.00	466535.17	757880.44	N 32 16 50.29	W 103 37 57.52
	13800.00	90.00	359.58	9800.00	4204.74	4204.73	-10.00	0.00	466635.17	757879.70	N 32 16 51.28	W 103 37 57.53
	13900.00	90.00	359.58	9800.00	4304.74	4304.73	-10.74	0.00	466735.16	757878.97	N 32 16 52.27	W 103 37 57.53
	14000.00	90.00	359.58	9800.00	4404.74	4404.73	-11.47	0.00	466835.15	757878.23	N 32 16 53.26	W 103 37 57.53
	14100.00	90.00	359.58	9800.00	4504.74	4504.72	-12.21	0.00	466935.15	757877.49	N 32 16 54.25	W 103 37 57.53
	14200.00	90.00	359.58	9800.00	4604.74	4604.72	-12.95	0.00	467035.14	757876.75	N 32 16 55.24	W 103 37 57.53
PBHL Triste Draw 25 Fed Com #9H 1310' FWL	14220.96	90.00	359.58	9800.00	4625.70	4625.68	-13.10	0.00	467056.10	757876.60	N 32 16 55.44	W 103 37 57.53

Survey Type: Non-Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
-------------	------	-----------------	---------------	------------------	-------------------	-------------------------	------------------	-------------------

Drilling 12-1/4" hole
below 13 3/8" Casing

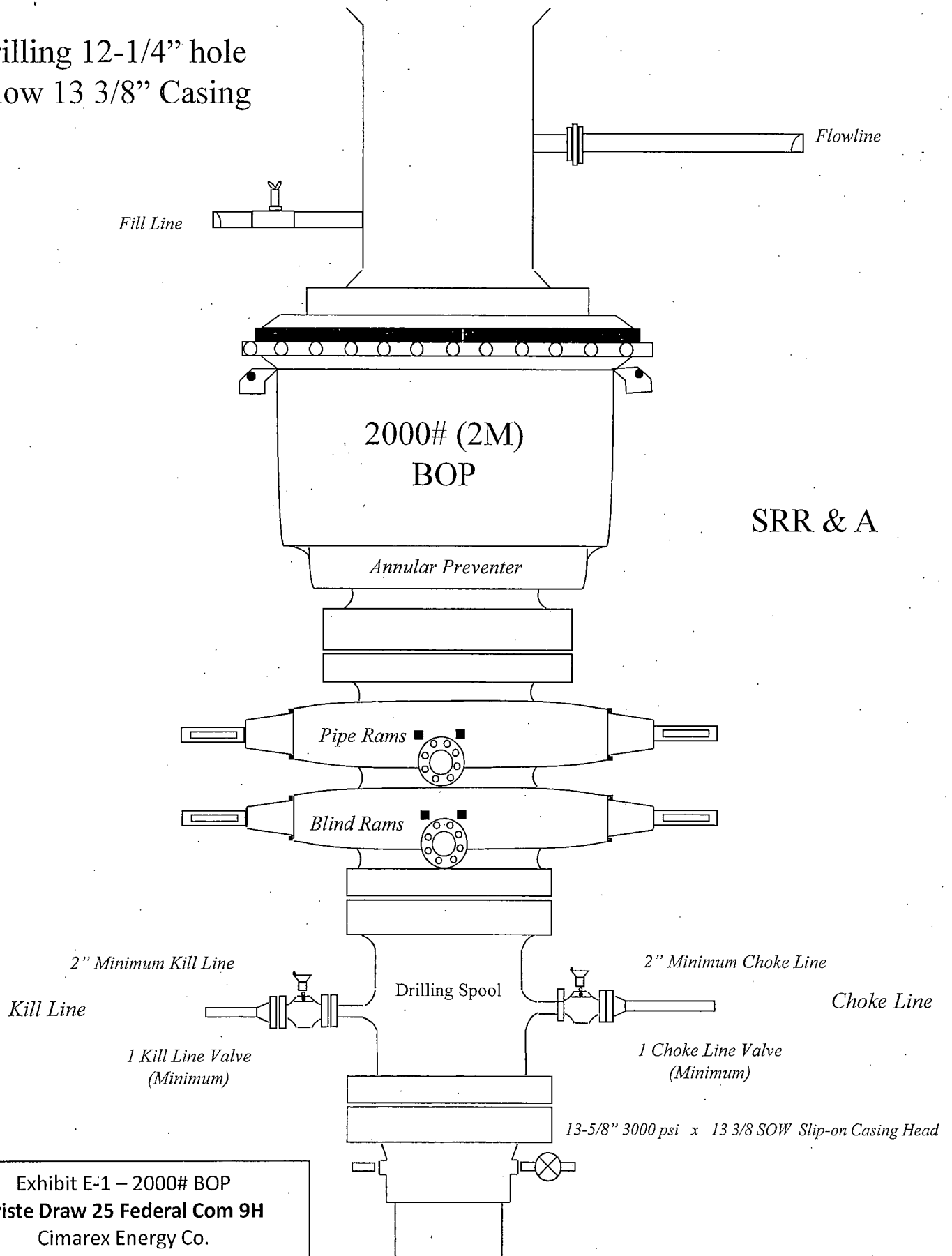
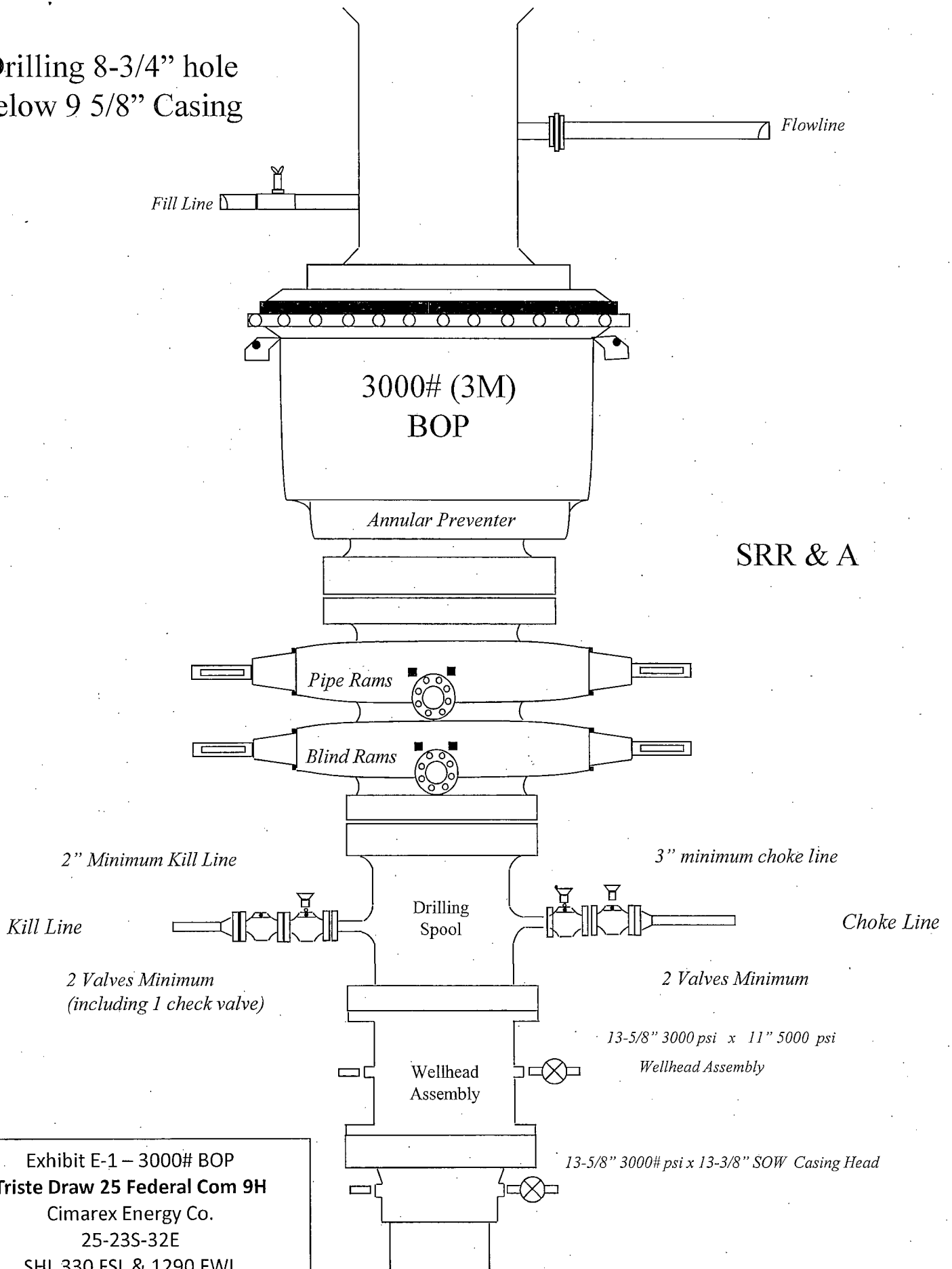


Exhibit E-1 – 2000# BOP
Triste Draw 25 Federal Com 9H
Cimarex Energy Co.
25-23S-32E
SHL 330 FSL & 1290 FWL
BHL 330 FNL & 1320 FWL
Lea County, NM

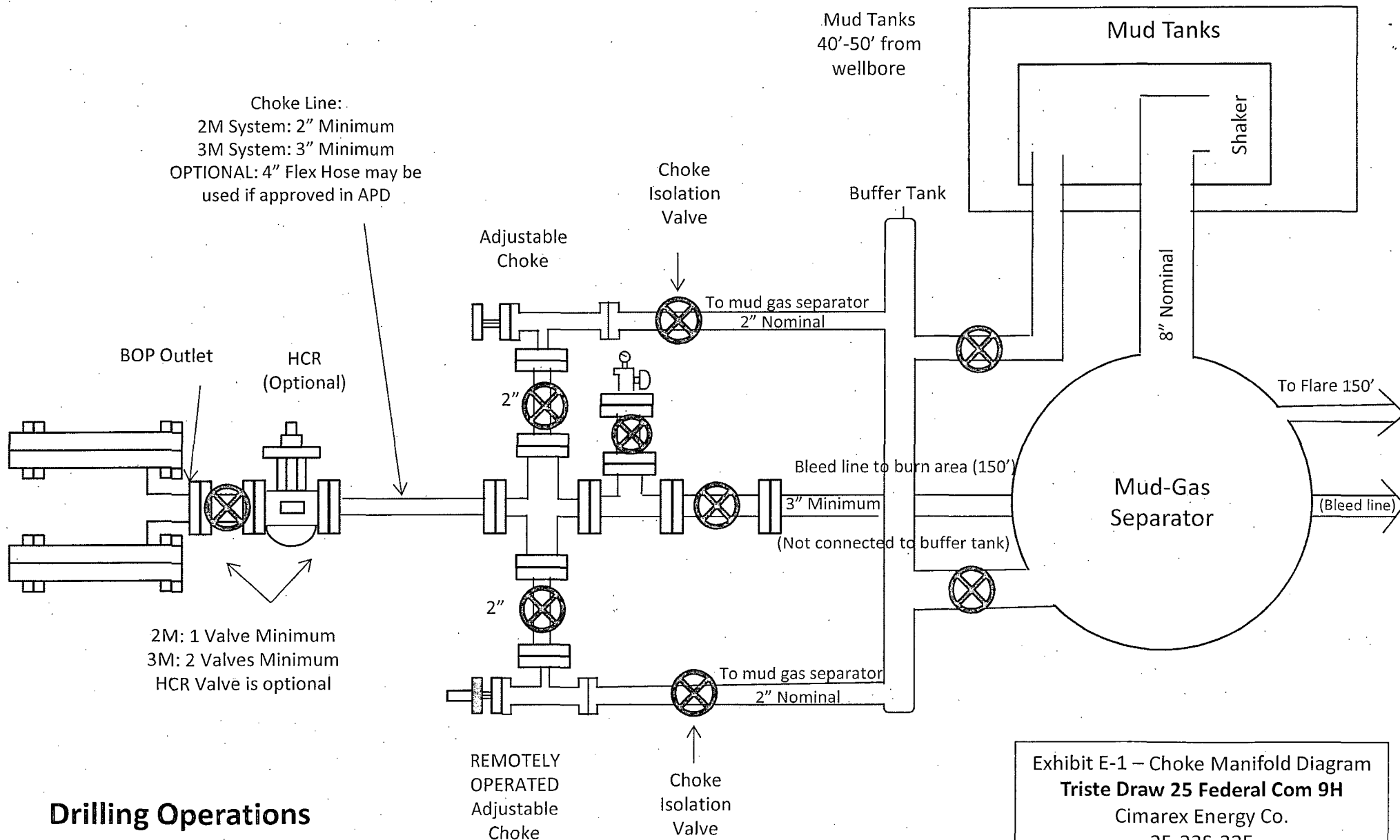
Drilling 8-3/4" hole
below 9 5/8" Casing



SRR & A

Exhibit E-1 – 3000# BOP
Triste Draw 25 Federal Com 9H
Cimarex Energy Co.
25-23S-32E
SHL 330 FSL & 1290 FWL
BHL 330 FNL & 1320 FWL
Lea County, NM

Choke Line:
 2M System: 2" Minimum
 3M System: 3" Minimum
 OPTIONAL: 4" Flex Hose may be
 used if approved in APD



Drilling Operations Choke Manifold 2M/3M Service

Exhibit E-1 – Choke Manifold Diagram
Triste Draw 25 Federal Com 9H
 Cimarex Energy Co.
 25-23S-32E
 SHL 330 FSL & 1290 FWL
 BHL 330 FNL & 1320 FWL
 Lea County, NM

Exhibit F-1 – Co-Flex Hose Hydrostatic Test

Triste Draw 25 Federal Com 9H

Cimarex Energy Co.

25-23S-32E

SHL 330 FSL & 1290 FWL

BHL 330 FNL & 1320 FWL

Lea County, NM



Midwest Hose & Specialty, Inc.

INTERNAL HYDROSTATIC TEST REPORT

Customer: Oderco Inc		P.O. Number: odyd-271	
HOSE SPECIFICATIONS			
Type: Stainless Steel Armor Choke & Kill Hose		Hose Length: 45'ft.	
I.D. 4 INCHES		O.D. 9 INCHES	
WORKING PRESSURE 10,000 PSI	TEST PRESSURE 15,000 PSI	BURST PRESSURE 0 PSI	
COUPLINGS			
Stem Part No. OKC OKC		Ferrule No. OKC OKC	
Type of Coupling: Swage-It			
PROCEDURE			
<i>Hose assembly pressure tested with water at ambient temperature.</i>			
TIME HELD AT TEST PRESSURE 15 MIN.		ACTUAL BURST PRESSURE: 0 PSI	
Hose Assembly Serial Number: 79793		Hose Serial Number: OKC	
Comments:			
Date: 3/8/2011	Tested: <i>A. James</i>	Approved: <i>[Signature]</i>	



Midwest Hose
& Specialty, Inc.

Internal Hydrostatic Test Graph

Customer: Houston

Pick Ticket #: 94260

Hose Specifications

Hose Type
C.S.K.
I.D.
4"
Working Pressure
10000 PSI

Length
45'
O.D.
6.09"

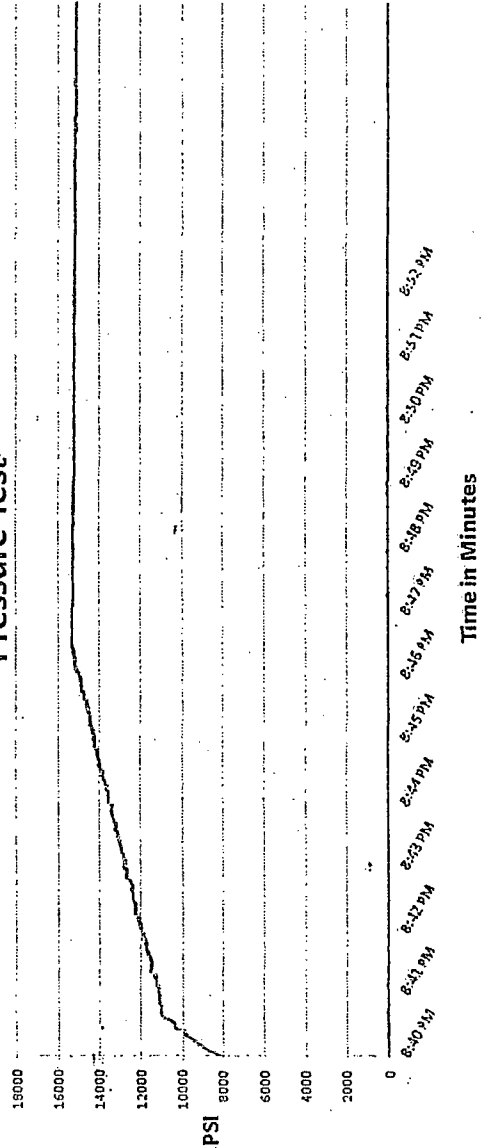
Burst Pressure
Standard Safety Multiplier Applies

Verification

Type of Fittings
41/16 10K
Die Size
6.38"
Hose Serial #
5544

Coupling Method
Swage
Final O.D.
6.25"
Hose Assembly Serial #
79793

Pressure Test



Test Pressure
15000 PSI

Time Held at Test Pressure
11 Minutes

Actual Burst Pressure

Peak Pressure
15483 PSI

Comments: Hose assembly pressure tested with water at ambient temperature.

Tested By: Zac McConnell

Approved By: Kim Thomas

[Signature]

[Signature]

Exhibit F-1 – Co-Flex Hose Hydrostatic Test
Triste Draw 25 Federal Com 9H
Cimarex Energy Co.
25-23S-32E
SHL 330 FSL & 1290 FWL
BHL 330 FNL & 1320 FWL
Lea County, NM

March 3, 2011

Exhibit F-2 - Co-Flex Hose
Triste Draw 25 Federal Com 9H
Cimarex Energy Co.
25-23S-32E
SHL 330 FSL & 1290 FWL
BHL 330 FNL & 1320 FWL
Lea County, NM



Midwest Hose & Specialty, Inc.

Certificate of Conformity

Customer:		PO
DEM		ODYD-271
SPECIFICATIONS		
Sales Order	Dated:	
79793	3/8/2011	
We hereby certify that the material supplied for the referenced purchase order to be true according to the requirements of the purchase order and current industry standards Supplier: Midwest Hose & Specialty, Inc. 10640 Tanner Road Houston, Texas 77041		
Comments:		
Approved:		Date:
<i>David Garcia</i>		3/8/2011



Midwest Hose
& Specialty, Inc.

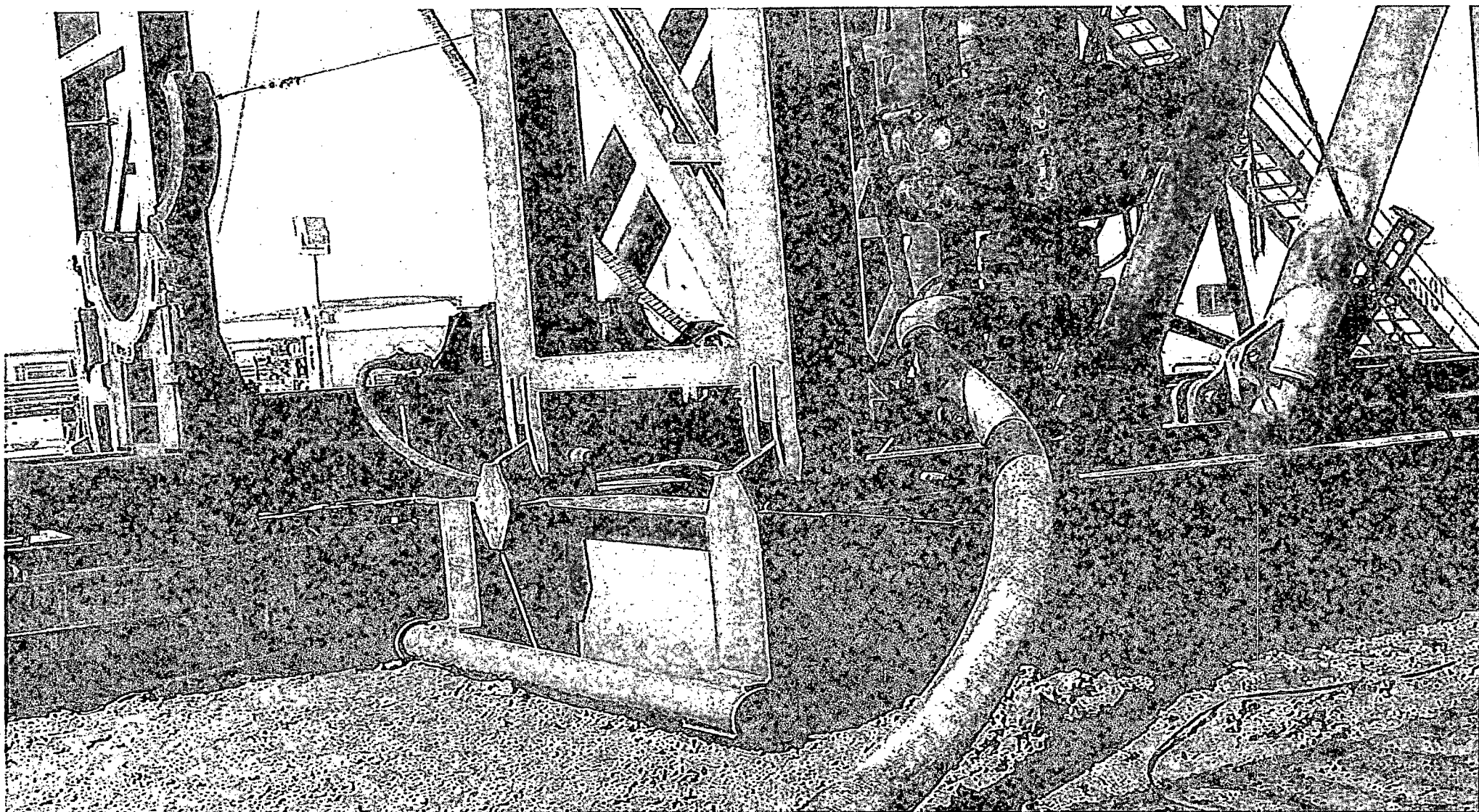
Exhibit F -3- Co-Flex Hose
Triste Draw 25 Federal Com 9H
Cimarex Energy Co.
25-23S-32E
SHL 330 FSL & 1290 FWL
BHL 330 FNL & 1320 FWL
Lea County, NM

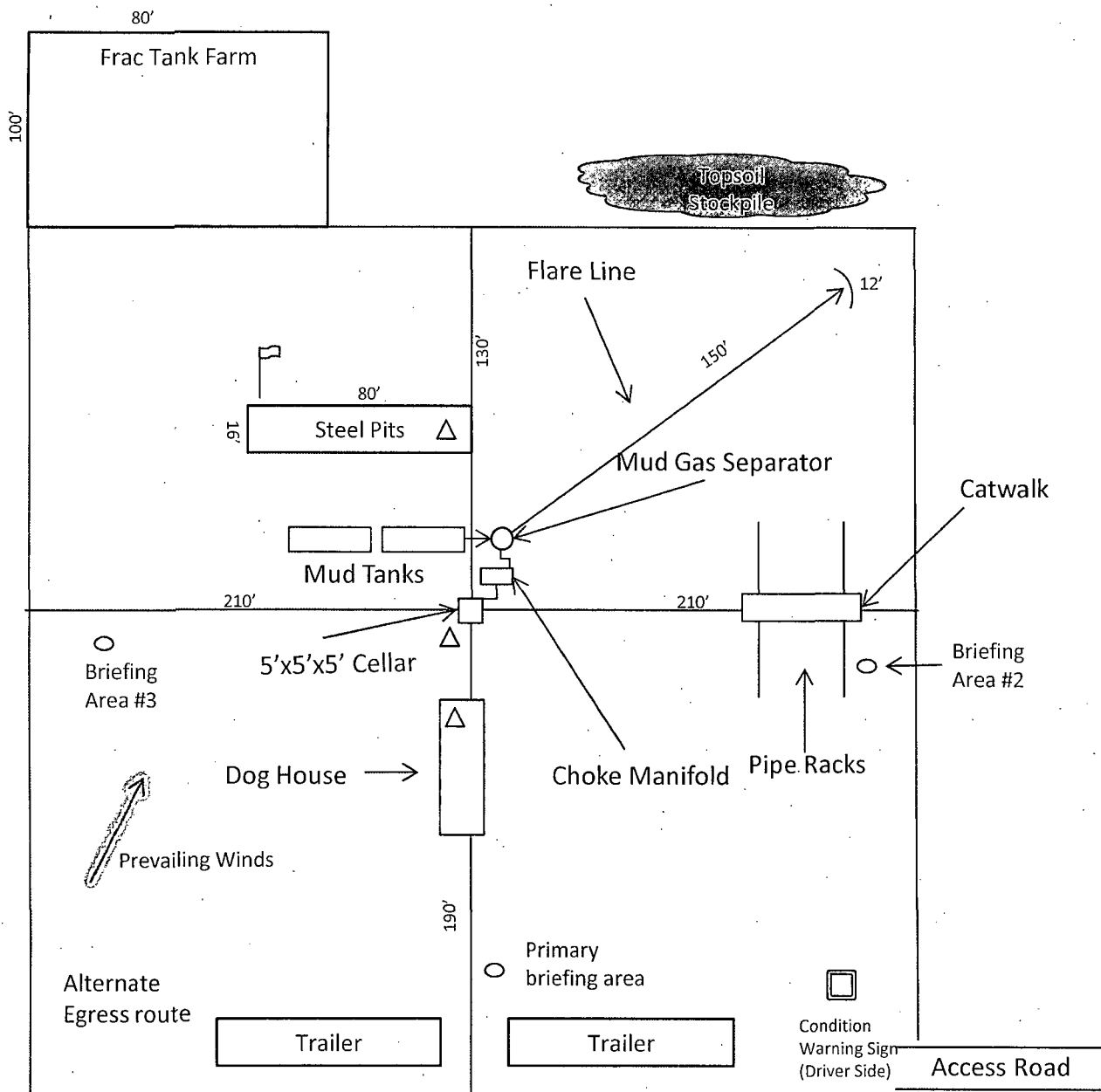
Specification Sheet Choke & Kill Hose

The Midwest Hose & Specialty Choke & Kill hose is manufactured with only premium componets. The reinforcement cables, inner liner and cover are made of the highest quality material to handle the tough drilling applications of today's industry. The end connections are available with API flanges, API male threads, hubs, hammer unions or other special fittings upon request. Hose assembly is manufactured to API 7K. This assembly is wrapped with fire resistant vermiculite coated fiberglass insulation, rated at 2000 degrees with stainless steel armor cover.

Working Pressure:	5,000 or 10,000 psi working pressure
Test Pressure:	10,000 or 15,000 psi test pressure
Reinforcement:	Multiple steel cables
Cover:	Stainless Steel Armor
Inner Tube:	Petroleum resistant, Abrasion resistant
End Fitting:	API flanges, API male threads, threaded or butt weld hammer unions, unbolt and other special connections
Maximum Length:	110 Feet
ID:	2-1/2", 3", 3-1/2", 4"
Operating Temperature:	-22 deg F to +180 deg F (-30 deg C to +82 deg C)

Exhibit F – Co-Flex Hose
Triste Draw 25 Federal Com 9H
Cimarex Energy Co.
25-23S-32E
SHL 330 FSL & 1290 FWL
BHL 330 FNL & 1320 FWL
Lea County, NM





-  Wind Direction Indicators (wind sock or streamers)
- H2S Monitors (alarms at bell nipple and shale shaker)
-  H2S Monitors (alarms at bell nipple and shale shaker)
-  Briefing Areas



Exhibit D-1 – Rig Diagram
Triste Draw 25 Federal Com 9H
 Cimarex Energy Co.
 25-23S-32E
 SHL 330 FSL & 1290 FWL
 BHL 330 FNL & 1320 FWL
 Lea County, NM

Operator Certification Statement

Triste Draw 25 Fed Com #9H

Cimarex Energy Co.

UL: M, Sec. 25, 23S, 32E

Lea Co., NM

HOBBS OCD

OCT 20 2014

RECEIVED

Operator's Representative

Cimarex Energy Co. of Colorado

600 N. Marienfeld St., Ste. 600

Midland, TX 79701

Office Phone: (432) 571-7800

CERTIFICATION: I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this 28 day of February, 2014

NAME:

Aricka Easterling
Aricka Easterling

TITLE: Regulatory Compliance

ADDRESS: 202 S. Cheyenne Ave., Ste 1000, Tulsa, OK 74103

TELEPHONE: 918-585-1100

EMAIL: AEasterling@cimarex.com

Field Representative: Same as above