

Form 3160-3 APR 26 2013
(March 2012)

RECEIVED UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

5. Lease Serial No.
SHL:NMLC0063228 BHL:NMNM86154

6. If Indian, Allottee or Tribe Name

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. of Colorado

3a. Address 600 N. Marienfeld St., Ste 600
Midland, Tx 79701

3b. Phone No. (include area code)
432-571-7800

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

8. Lease Name and Well No.
Triste Draw 25 Federal Com #3M

9. API Well No.
30025 - 41150

10. Field and Pool, or Exploratory
TRISTE DRAW; Bone Spring

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

At surface 330' FSL & 1980' FWL

At proposed prod. zone 330' FNL & 1980' FWL

11. Sec., T. R. M. or Blk. and Survey or Area
25-23S-32E

14. Distance in miles and direction from nearest town or post office*
28 miles NW of Jal, NM

12. County or Parish
Lea

13. State
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 acres
NMNM86154: 120 acres
280

17. Spacing Unit dedicated to this well
160 acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
1320' from #2

19. Proposed Depth
MD 15521; TVD: 11150

20. BLM/BIA Bond No. on file
NM2575; NMB00835

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3687' GR

22. Approximate date work will start*
01/15/2013

23. Estimated duration
30-35 days

24. Attachments

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

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature

Name (Printed/Typed)
Terri Stathem

Date
11/07/2012

Title

Coordinator Regulatory Compliance

Approved by (Signature) /s/George MacDonell

Name (Printed/Typed) /s/George MacDonell

Date APR 23 2013

Title

FIELD MANAGER

Office

CARLSBAD FIELD OFFICE

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)

*(Instructions on page 2)

Carlsbad Controlled Water Basin

K 04/30/13 Approval Subject to General Requirements
& Special Stipulations Attached.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

MAY 01 2013

Application to Drill
Triste Draw 25 Federal Com #3
 Cimarex Energy Co. of Colorado
 Unit N, Section 25
 T23S-R32E; Lea County, NM

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 & 1980 FWL
 BHL 330 FNL & 1980 FWL
- 2 Elevation above sea level: 3687 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: MD 15521 TVD 11150
- 6 Estimated tops of geological markers:

Groundwater per OSE	475
Rustler	1220
T. Salt	1440
Castille	3450
B. Salt	4780
Lamar	5050 Hydrocarbons
Bell Canyon	5150 Hydrocarbons
Cherry Canyon	6000 Hydrocarbons
Brushy Canyon	7400 Hydrocarbons
Basal Brushy Canyon	8625 Hydrocarbons
Bone Spring	8850 Hydrocarbons
Avalon Shale	9300 Hydrocarbons
1st Bone Spring	10050 Hydrocarbons
2nd Bone Spring	10675 Hydrocarbons
3rd Bone Spring	11250 Hydrocarbons
- 7 Possible mineral bearing formation:
 Shown above

8 Proposed Mud Circulating System:

Depth		Mud Wt	Visc	Fluid Loss	Type Mud
0'	to 1250' ^{1320'}	8.4 - 8.6	28	NC	FW
1250' ^{1320'}	to 4900' ^{5000'}	10.0	30-32	NC	Brine water
4900' ^{5000'}	to 15521'	8.4	30-32	NC	2% KCL

See
COA

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.

Proposed Drilling Plan

After setting surface and intermediate casing, drill 7-7/8 or 8-3/4" hole to 10623'. Kick off curve at 10623' and drill 7-7/8 or 8-3/4" lateral to TD @ 15521' MD, 11150 TVD. Run 5½" 17# P-110 BTC from 10800'-15521' and 5-1/2" 17# P-110 LTC from 0'-10800' and cement.

Application to Drill
Triste Draw 25 Federal Com #3
 Cimarex Energy Co. of Colorado
 Unit N, Section 25
 T23S-R32E; Lea County, NM

9 Casing & Cementing Program:

String	Hole Size	Depth	Casing OD	Weight	Collar	Grade
Surface	17 1/2"	0' to 1250'	New 13 3/8"	48#	STC	H-40
Intermediate	12 1/4"	0' to 3400'	New 9 5/8"	36#	LTC	J-55
Intermediate	12 1/4"	3400' to 4900'	New 9 5/8"	40#	LTC	N-80
Production	7 7/8" or 8 3/4"	0' to 10800'	New 5 1/2"	17#	LTC	P-110
Production	7 7/8" or 8 3/4"	10800' to 15521'	New 5 1/2"	17#	BTC	P-110

See COA

10 Cementing:

Surface

Lead: 750 sks Premium Plus + 2% CaCl 4% gel 13.5ppg 1.75yield 100% Excess

Tail: 200 sks Premium Plus + 2% CaCl 14.8ppg 1.34 yield 10% Excess

TOC Surface Centralizers per Onshore Order 2.III.B.1.f

Intermediate

Lead: 1555 sks HLPP + 5% Salt + 5# Gilsonte 12.9 ppg 1.92 yield 100% Excess

Tail: 235 sks Premium Plus + 1% CaCl 14.8 ppg 1.34 yield 0% Excess

TOC Surface

Production

Lead: 835 sks Econocem H + 0.5/10% HR-601 0.5/10% Halad-322 11.9 ppg 2.48 yield 53% Excess

Tail: 1385 sks Versacem H + 0.5% Halad(R)-344 + 0.4% CFR-3 + 1# Salt + 0.2% HR-601 14.5 ppg 1.22 yield 25% Excess

Cement volumes will be adjusted depending on hole size.

See COA

TOC Surface Centralizers every 3rd joint through the curve or legal location hardline to provide adequate cement coverage every 100' unless hole conditions require greater spacing between centralizers.

<u>Collapse Factor</u>	<u>Burst Factor</u>	<u>Tension Factor</u>
1.125	1.125	1.6

11 Pressure control Equipment:

Exhibit "E". A 13 3/8" 5000 PSI working pressure B.O.P. consisting of one set of blind rams and one set of pipe rams and a 5000# annular type preventer. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system. Rotating head below 4900.' 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. Mud gas separator will be installed with BOP before drilling out of surface casing.

BOP unit will be hydraulically operated. BOP will be nipped up and operated at least once a day while drilling and the blind rams will be operated when out of hole during trips. No abnormal pressure or temperature is expected while drilling. From the base of the surface pipe through the running of production casing, the well will be equipped with a 5000 psi BOP system.

Before drilling out of the surface pipe BOP's will be tested to 250 psi low and 3000 psi high by an independent service company. Hydril will be tested to 250 psi low and 1500 psi high. Before drilling out of the intermediate pipe BOP's will be tested by an independent service company to 250 psi low and 5000 psi high. Hydril will be tested to 250 psi low and 2500 psi high.

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. 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 Federal Com #3
Cimarex Energy Co. of Colorado
Unit N, Section 25
T23S-R32E; Lea County, NM

12 Testing, Logging and Coring Program:

- A. Mud logging program: 2 man unit from 4900 to TD
- B. Electric logging program: CNL / LDT / CAL / GR, DLL / CAL / GR Inter. Csg from surface to TD
- C. No DSTs or cores are planned at this time.

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 **5017 psi** Estimated BHT **138°**

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

Drilling expected to take 30-35 days

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

15 Other Facets of Operations:

After running casing, cased hole gamma ray neutron collar logs will be run from total depth over possible pay intervals.

Bone Spring pay will be perforated and stimulated.

The proposed well will be tested and potentialied as **an oil well.**



Cimarex Energy Co. of Colorado

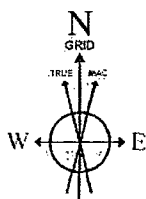
Location: Lea County, New Mexico
Field: (Triste Draw) Sec 25, T23S, R32E
Facility: Triste Draw 25 Federal No. 3

Slot: No. 3 SHL
Well: No. 3
Wellbore: No. 3 PWB

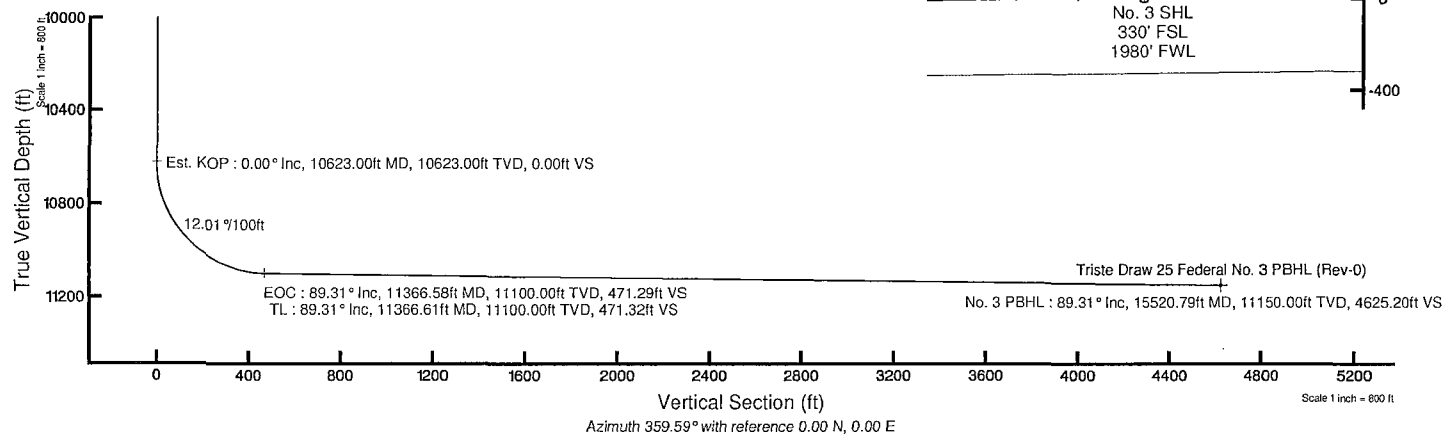


Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	0.00	0.000	359.592	0.00	0.00	0.00	0.00	0.00
Est. KOP	10623.00	0.000	359.592	10623.00	0.00	0.00	0.00	0.00
EOC	11366.58	89.310	359.592	11100.00	471.28	-3.36	12.01	471.29
TL	11366.61	89.310	359.592	11100.00	471.31	-3.36	2.00	471.32
No. 3 PBHL	15520.79	89.310	359.592	11150.00	4625.08	-32.90	0.00	4625.20

Plot reference wellpath is Rev-A.0	
True vertical depths are referenced to Rig on No. 3 SHL (RT)	Grid System: NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No. 3 SHL (RT)	North Reference: Grid north
Rig on No. 3 SHL (RT) to Mean Sea Level: 3687 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: No. 3 SHL): -3687 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: harkol on 7/31/2012



BGGM (1945.0 to 2014.0) Dip: 60.15° Field: 48517 nT
Magnetic North is 7.58 degrees East of True North (at 7/31/2012)
Grid North is 0.38 degrees East of True North
To correct azimuth from True to Grid subtract 0.38 degrees
To correct azimuth from Magnetic to Grid add 7.20 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.20 = 97.20



Rev-A.0



Planned Wellpath Report

Rev-A.0
Page 1 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co. of Colorado	Slot	No. 3 SHL
Area	Lea County, New Mexico	Well	No. 3
Field	(Triste Draw) Sec 25, T23S, R32E	Wellbore	No. 3 PWB
Facility	Triste Draw 25 Federal No. 3		

REPORT SETUP INFORMATION

Projection System	NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 3.0.0
North Reference	Grid	User	Harrkol
Scale	0.999963	Report Generated	7/31/2012 at 4:22:05 PM
Convergence at slot	0.38° East	Database/Source file	WA Midland/No. 3_PWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W
Facility Reference Pt			758586.00	462448.40	32°16'09.802"N	103°37'49.618"W
Field Reference Pt			0.00	0.00	30°59'18.404"N	106°03'38.987"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No. 3 SHL (RT) to Facility Vertical Datum	0.00ft
Horizontal Reference Pt	Slot	Rig on No. 3 SHL (RT) to Mean Sea Level	3687.00ft
Vertical Reference Pt	Rig on No. 3 SHL (RT)	Rig on No. 3 SHL (RT) to Mud Line at Slot (No. 3 SHL)	0.00ft
MD Reference Pt	Rig on No. 3 SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	359.59°



Planned Wellpath Report

Rev-A.0
Page 2 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co. of Colorado	Slot	No. 3 SHL
Area	Lea County, New Mexico	Well	No. 3
Field	(Triste Draw) Sec 25, T23S, R32E	Wellbore	No. 3 PWB
Facility	Triste Draw 25 Federal No. 3		

WELLPATH DATA (169 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00	0.000	359.592	0.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	Tie On
100.00†	0.000	359.592	100.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
200.00†	0.000	359.592	200.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
300.00†	0.000	359.592	300.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
400.00†	0.000	359.592	400.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
500.00†	0.000	359.592	500.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
600.00†	0.000	359.592	600.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
700.00†	0.000	359.592	700.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
800.00†	0.000	359.592	800.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
900.00†	0.000	359.592	900.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
1000.00†	0.000	359.592	1000.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
1100.00†	0.000	359.592	1100.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
1200.00†	0.000	359.592	1200.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
1220.00†	0.000	359.592	1220.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	Rustler
1300.00†	0.000	359.592	1300.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
1400.00†	0.000	359.592	1400.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
1440.00†	0.000	359.592	1440.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	Salt
1500.00†	0.000	359.592	1500.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
1600.00†	0.000	359.592	1600.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
1700.00†	0.000	359.592	1700.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
1800.00†	0.000	359.592	1800.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
1900.00†	0.000	359.592	1900.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
2000.00†	0.000	359.592	2000.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
2100.00†	0.000	359.592	2100.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
2200.00†	0.000	359.592	2200.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
2300.00†	0.000	359.592	2300.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
2400.00†	0.000	359.592	2400.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
2500.00†	0.000	359.592	2500.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
2600.00†	0.000	359.592	2600.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
2700.00†	0.000	359.592	2700.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
2800.00†	0.000	359.592	2800.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
2900.00†	0.000	359.592	2900.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
3000.00†	0.000	359.592	3000.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
3100.00†	0.000	359.592	3100.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
3200.00†	0.000	359.592	3200.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
3300.00†	0.000	359.592	3300.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
3400.00†	0.000	359.592	3400.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
3450.00†	0.000	359.592	3450.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	Castille
3500.00†	0.000	359.592	3500.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
3600.00†	0.000	359.592	3600.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
3700.00†	0.000	359.592	3700.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
3800.00†	0.000	359.592	3800.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
3900.00†	0.000	359.592	3900.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
4000.00†	0.000	359.592	4000.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
4100.00†	0.000	359.592	4100.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	



Planned Wellpath Report

Rev-A.0
Page 3 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co. of Colorado	Slot	No. 3 SHL
Area	Lea County, New Mexico	Well	No. 3
Field	(Triste Draw) Sec 25, T23S, R32E	Wellbore	No. 3 PWB
Facility	Triste Draw 25 Federal No. 3		

WELLPATH DATA (169 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4200.00†	0.000	359.592	4200.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
4300.00†	0.000	359.592	4300.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
4400.00†	0.000	359.592	4400.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
4500.00†	0.000	359.592	4500.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
4600.00†	0.000	359.592	4600.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
4700.00†	0.000	359.592	4700.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
4780.00†	0.000	359.592	4780.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	Base Last Salt
4800.00†	0.000	359.592	4800.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
4900.00†	0.000	359.592	4900.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
5000.00†	0.000	359.592	5000.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
5050.00†	0.000	359.592	5050.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	Lamar
5100.00†	0.000	359.592	5100.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	Delaware Sands
5200.00†	0.000	359.592	5200.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
5300.00†	0.000	359.592	5300.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
5400.00†	0.000	359.592	5400.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
5500.00†	0.000	359.592	5500.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
5600.00†	0.000	359.592	5600.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
5700.00†	0.000	359.592	5700.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
5800.00†	0.000	359.592	5800.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
5900.00†	0.000	359.592	5900.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
6000.00†	0.000	359.592	6000.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
6100.00†	0.000	359.592	6100.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
6200.00†	0.000	359.592	6200.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
6300.00†	0.000	359.592	6300.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
6400.00†	0.000	359.592	6400.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
6500.00†	0.000	359.592	6500.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
6600.00†	0.000	359.592	6600.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
6700.00†	0.000	359.592	6700.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
6800.00†	0.000	359.592	6800.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
6900.00†	0.000	359.592	6900.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
7000.00†	0.000	359.592	7000.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
7100.00†	0.000	359.592	7100.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
7200.00†	0.000	359.592	7200.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
7300.00†	0.000	359.592	7300.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
7400.00†	0.000	359.592	7400.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
7500.00†	0.000	359.592	7500.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
7600.00†	0.000	359.592	7600.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
7700.00†	0.000	359.592	7700.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
7800.00†	0.000	359.592	7800.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
7900.00†	0.000	359.592	7900.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
8000.00†	0.000	359.592	8000.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
8100.00†	0.000	359.592	8100.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
8200.00†	0.000	359.592	8200.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
8300.00†	0.000	359.592	8300.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
8400.00†	0.000	359.592	8400.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	



Planned Wellpath Report

Rev-A.0
Page 4 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co. of Colorado	Slot	No. 3 SHL
Area	Lea County, New Mexico	Well	No. 3
Field	(Triste Draw) Sec 25, T23S, R32E	Wellbore	No. 3 PWB
Facility	Triste Draw 25 Federal No. 3		

WELLPATH DATA (169 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8500.00†	0.000	359.592	8500.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
8600.00†	0.000	359.592	8600.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
8625.00†	0.000	359.592	8625.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	Basal Brushy Canyon
8700.00†	0.000	359.592	8700.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
8800.00†	0.000	359.592	8800.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
8850.00†	0.000	359.592	8850.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	Bone Spring
8900.00†	0.000	359.592	8900.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
9000.00†	0.000	359.592	9000.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
9100.00†	0.000	359.592	9100.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
9200.00†	0.000	359.592	9200.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
9300.00†	0.000	359.592	9300.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	Avalon Shale
9400.00†	0.000	359.592	9400.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
9500.00†	0.000	359.592	9500.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
9600.00†	0.000	359.592	9600.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
9700.00†	0.000	359.592	9700.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
9800.00†	0.000	359.592	9800.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
9900.00†	0.000	359.592	9900.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
10000.00†	0.000	359.592	10000.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
10050.00†	0.000	359.592	10050.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	1st BSS
10100.00†	0.000	359.592	10100.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
10200.00†	0.000	359.592	10200.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
10300.00†	0.000	359.592	10300.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
10400.00†	0.000	359.592	10400.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
10500.00†	0.000	359.592	10500.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
10600.00†	0.000	359.592	10600.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	
10623.00	0.000	359.592	10623.00	0.00	0.00	0.00	758586.00	462448.40	32°16'09.802"N	103°37'49.618"W	0.00	Est. KOP
10675.10†	6.258	359.592	10675.00	2.84	2.84	-0.02	758585.98	462451.24	32°16'09.830"N	103°37'49.618"W	12.01	2nd BSS
10700.00†	9.248	359.592	10699.67	6.20	6.20	-0.04	758585.96	462454.60	32°16'09.864"N	103°37'49.618"W	12.01	
10800.00†	21.259	359.592	10795.97	32.46	32.46	-0.23	758585.77	462480.86	32°16'10.123"N	103°37'49.618"W	12.01	
10900.00†	33.270	359.592	10884.69	78.19	78.19	-0.56	758585.44	462526.58	32°16'10.576"N	103°37'49.619"W	12.01	
11000.00†	45.281	359.592	10961.96	141.38	141.37	-1.01	758584.99	462589.77	32°16'11.201"N	103°37'49.619"W	12.01	
11100.00†	57.292	359.592	11024.39	219.26	219.26	-1.56	758584.44	462667.65	32°16'11.972"N	103°37'49.620"W	12.01	
11200.00†	69.302	359.592	11069.25	308.43	308.43	-2.20	758583.80	462756.81	32°16'12.854"N	103°37'49.620"W	12.01	
11300.00†	81.313	359.592	11094.56	404.99	404.98	-2.88	758583.12	462853.36	32°16'13.810"N	103°37'49.621"W	12.01	
11366.58	89.310	359.592	11100.00	471.29	471.28	-3.36	758582.64	462919.66	32°16'14.466"N	103°37'49.621"W	12.01	EOC
11366.61	89.310	359.592	11100.00	471.32	471.31	-3.36	758582.64	462919.69	32°16'14.466"N	103°37'49.621"W	2.00	TL
11400.00†	89.310	359.592	11100.40	504.71	504.70	-3.59	758582.41	462953.08	32°16'14.796"N	103°37'49.622"W	0.00	
11500.00†	89.310	359.592	11101.61	604.70	604.69	-4.30	758581.70	463053.06	32°16'15.786"N	103°37'49.622"W	0.00	
11600.00†	89.310	359.592	11102.81	704.69	704.68	-5.02	758580.98	463153.05	32°16'16.775"N	103°37'49.623"W	0.00	
11700.00†	89.310	359.592	11104.01	804.69	804.67	-5.73	758580.27	463253.03	32°16'17.765"N	103°37'49.624"W	0.00	
11800.00†	89.310	359.592	11105.22	904.68	904.66	-6.44	758579.56	463353.02	32°16'18.754"N	103°37'49.624"W	0.00	
11900.00†	89.310	359.592	11106.42	1004.67	1004.65	-7.15	758578.85	463453.01	32°16'19.744"N	103°37'49.625"W	0.00	
12000.00†	89.310	359.592	11107.62	1104.66	1104.64	-7.86	758578.14	463552.99	32°16'20.733"N	103°37'49.625"W	0.00	
12100.00†	89.310	359.592	11108.83	1204.66	1204.63	-8.57	758577.43	463652.98	32°16'21.722"N	103°37'49.626"W	0.00	
12200.00†	89.310	359.592	11110.03	1304.65	1304.62	-9.28	758576.72	463752.97	32°16'22.712"N	103°37'49.627"W	0.00	



Planned Wellpath Report

Rev-A.0
Page 5 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co. of Colorado	Slot	No. 3 SHL
Area	Lea County, New Mexico	Well	No. 3
Field	(Triste Draw) Sec 25, T23S, R32E	Wellbore	No. 3 PWB
Facility	Triste Draw 25 Federal No. 3		

WELLPATH DATA (169 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
12300.00†	89.310	359.592	11111.23	1404.64	1404.61	-9.99	758576.01	463852.95	32°16'23.701"N	103°37'49.627"W	0.00	
12400.00†	89.310	359.592	11112.44	1504.64	1504.60	-10.71	758575.29	463952.94	32°16'24.691"N	103°37'49.628"W	0.00	
12500.00†	89.310	359.592	11113.64	1604.63	1604.59	-11.42	758574.58	464052.93	32°16'25.680"N	103°37'49.629"W	0.00	
12600.00†	89.310	359.592	11114.85	1704.62	1704.58	-12.13	758573.87	464152.91	32°16'26.670"N	103°37'49.629"W	0.00	
12700.00†	89.310	359.592	11116.05	1804.61	1804.57	-12.84	758573.16	464252.90	32°16'27.659"N	103°37'49.630"W	0.00	
12800.00†	89.310	359.592	11117.25	1904.61	1904.56	-13.55	758572.45	464352.88	32°16'28.648"N	103°37'49.631"W	0.00	
12900.00†	89.310	359.592	11118.46	2004.60	2004.55	-14.26	758571.74	464452.87	32°16'29.638"N	103°37'49.631"W	0.00	
13000.00†	89.310	359.592	11119.66	2104.59	2104.54	-14.97	758571.03	464552.86	32°16'30.627"N	103°37'49.632"W	0.00	
13100.00†	89.310	359.592	11120.86	2204.58	2204.53	-15.68	758570.32	464652.84	32°16'31.617"N	103°37'49.633"W	0.00	
13200.00†	89.310	359.592	11122.07	2304.58	2304.52	-16.40	758569.61	464752.83	32°16'32.606"N	103°37'49.633"W	0.00	
13300.00†	89.310	359.592	11123.27	2404.57	2404.51	-17.11	758568.89	464852.82	32°16'33.596"N	103°37'49.634"W	0.00	
13400.00†	89.310	359.592	11124.47	2504.56	2504.50	-17.82	758568.18	464952.80	32°16'34.585"N	103°37'49.635"W	0.00	
13500.00†	89.310	359.592	11125.68	2604.56	2604.49	-18.53	758567.47	465052.79	32°16'35.575"N	103°37'49.635"W	0.00	
13600.00†	89.310	359.592	11126.88	2704.55	2704.48	-19.24	758566.76	465152.78	32°16'36.564"N	103°37'49.636"W	0.00	
13700.00†	89.310	359.592	11128.09	2804.54	2804.47	-19.95	758566.05	465252.76	32°16'37.553"N	103°37'49.637"W	0.00	
13800.00†	89.310	359.592	11129.29	2904.53	2904.46	-20.66	758565.34	465352.75	32°16'38.543"N	103°37'49.637"W	0.00	
13900.00†	89.310	359.592	11130.49	3004.53	3004.45	-21.37	758564.63	465452.73	32°16'39.532"N	103°37'49.638"W	0.00	
14000.00†	89.310	359.592	11131.70	3104.52	3104.44	-22.09	758563.92	465552.72	32°16'40.522"N	103°37'49.639"W	0.00	
14100.00†	89.310	359.592	11132.90	3204.51	3204.43	-22.80	758563.20	465652.71	32°16'41.511"N	103°37'49.639"W	0.00	
14200.00†	89.310	359.592	11134.10	3304.51	3304.42	-23.51	758562.49	465752.69	32°16'42.501"N	103°37'49.640"W	0.00	
14300.00†	89.310	359.592	11135.31	3404.50	3404.41	-24.22	758561.78	465852.68	32°16'43.490"N	103°37'49.641"W	0.00	
14400.00†	89.310	359.592	11136.51	3504.49	3504.40	-24.93	758561.07	465952.67	32°16'44.479"N	103°37'49.641"W	0.00	
14500.00†	89.310	359.592	11137.71	3604.48	3604.39	-25.64	758560.36	466052.65	32°16'45.469"N	103°37'49.642"W	0.00	
14600.00†	89.310	359.592	11138.92	3704.48	3704.38	-26.35	758559.65	466152.64	32°16'46.458"N	103°37'49.642"W	0.00	
14700.00†	89.310	359.592	11140.12	3804.47	3804.37	-27.06	758558.94	466252.63	32°16'47.448"N	103°37'49.643"W	0.00	
14800.00†	89.310	359.592	11141.32	3904.46	3904.36	-27.77	758558.23	466352.61	32°16'48.437"N	103°37'49.644"W	0.00	
14900.00†	89.310	359.592	11142.53	4004.45	4004.35	-28.49	758557.51	466452.60	32°16'49.427"N	103°37'49.644"W	0.00	
15000.00†	89.310	359.592	11143.73	4104.45	4104.34	-29.20	758556.80	466552.58	32°16'50.416"N	103°37'49.645"W	0.00	
15100.00†	89.310	359.592	11144.94	4204.44	4204.33	-29.91	758556.09	466652.57	32°16'51.405"N	103°37'49.646"W	0.00	
15200.00†	89.310	359.592	11146.14	4304.43	4304.32	-30.62	758555.38	466752.56	32°16'52.395"N	103°37'49.646"W	0.00	
15300.00†	89.310	359.592	11147.34	4404.43	4404.31	-31.33	758554.67	466852.54	32°16'53.384"N	103°37'49.647"W	0.00	
15400.00†	89.310	359.592	11148.55	4504.42	4504.30	-32.04	758553.96	466952.53	32°16'54.374"N	103°37'49.648"W	0.00	
15500.00†	89.310	359.592	11149.75	4604.41	4604.29	-32.75	758553.25	467052.52	32°16'55.363"N	103°37'49.648"W	0.00	
15520.79	89.310	359.592	11150.00†	4625.20	4625.08	-32.90	758553.10	467073.30	32°16'55.569"N	103°37'49.649"W	0.00	No. 3 PBHL



Planned Wellpath Report

Rev-A.0
Page 6 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co. of Colorado	Slot	No. 3 SHL
Area	Lea County, New Mexico	Well	No. 3
Field	(Triste Draw) Sec 25, T23S, R32E	Wellbore	No. 3 PWB
Facility	Triste Draw 25 Federal No. 3		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) Triste Draw 25 Federal No. 3 PBHL (Rev-0)	15520.79	11150.00	4625.08	-32.90	758553.10	467073.30	32°16'55.569"N	103°37'49.649"W	point

SURVEY PROGRAM - Ref Wellbore: No. 3 PWB Ref Wellpath: Rev-A.0

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	15520.79	NaviTrak (Standard)		No. 3 PWB

SR & A

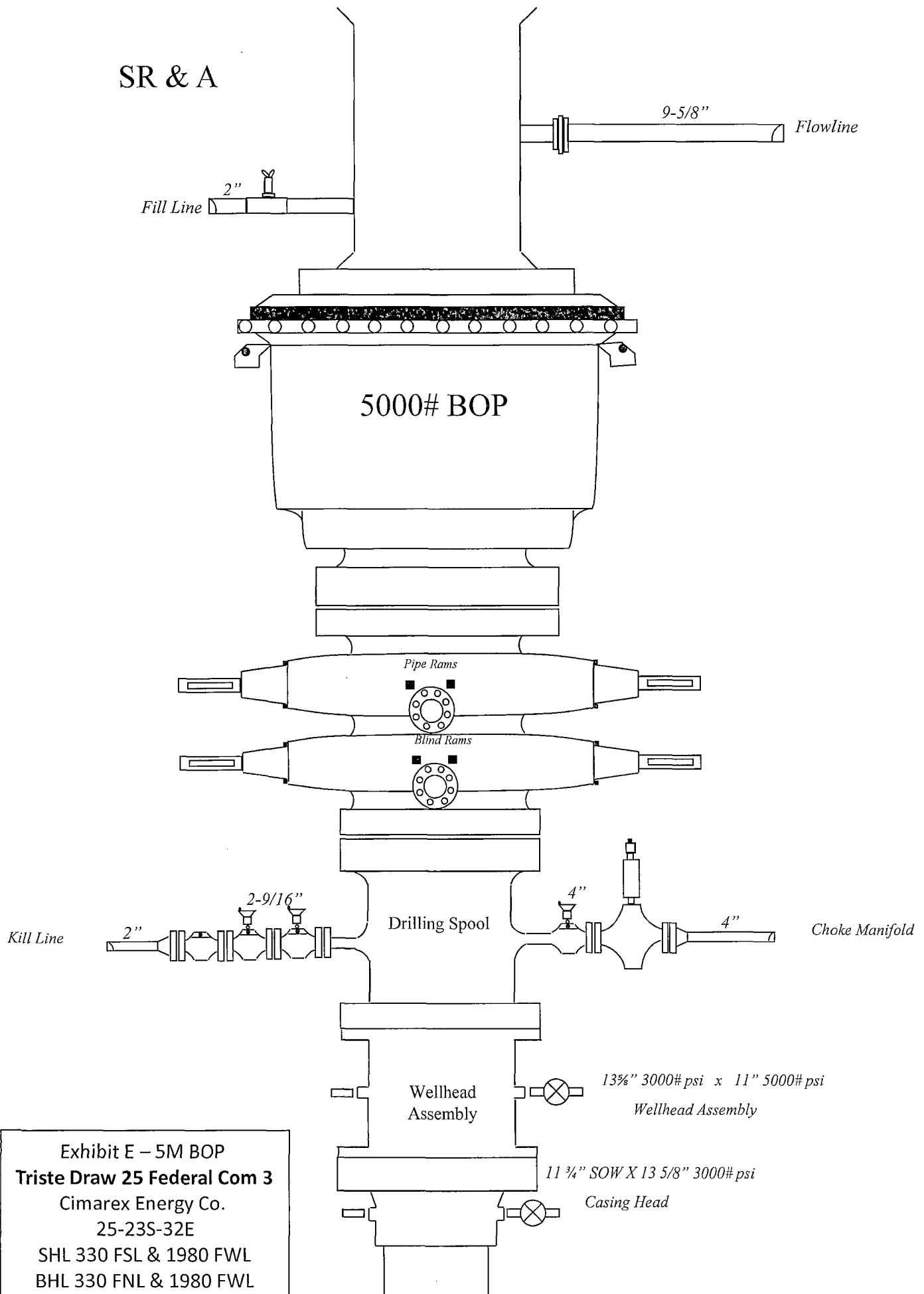


Exhibit E – 5M BOP
Triste Draw 25 Federal Com 3
Cimarex Energy Co.
25-23S-32E
SHL 330 FSL & 1980 FWL
BHL 330 FNL & 1980 FWL
Lea County, NM

Drilling Operations Choke Manifold 5M Service

Exhibit E-1 – Choke Manifold Diagram

Triste Draw 25 Federal Com 3

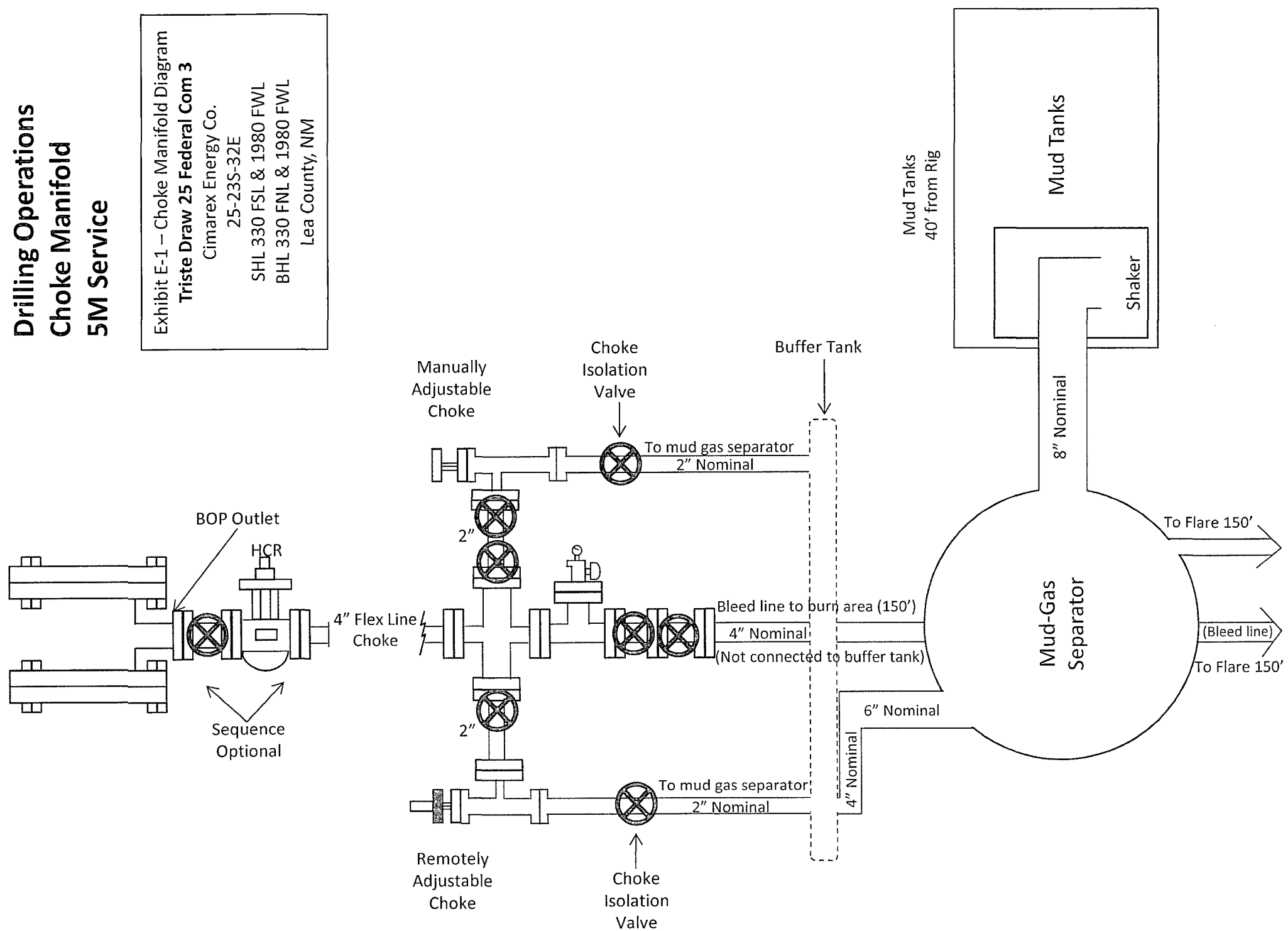
Cimarex Energy Co.

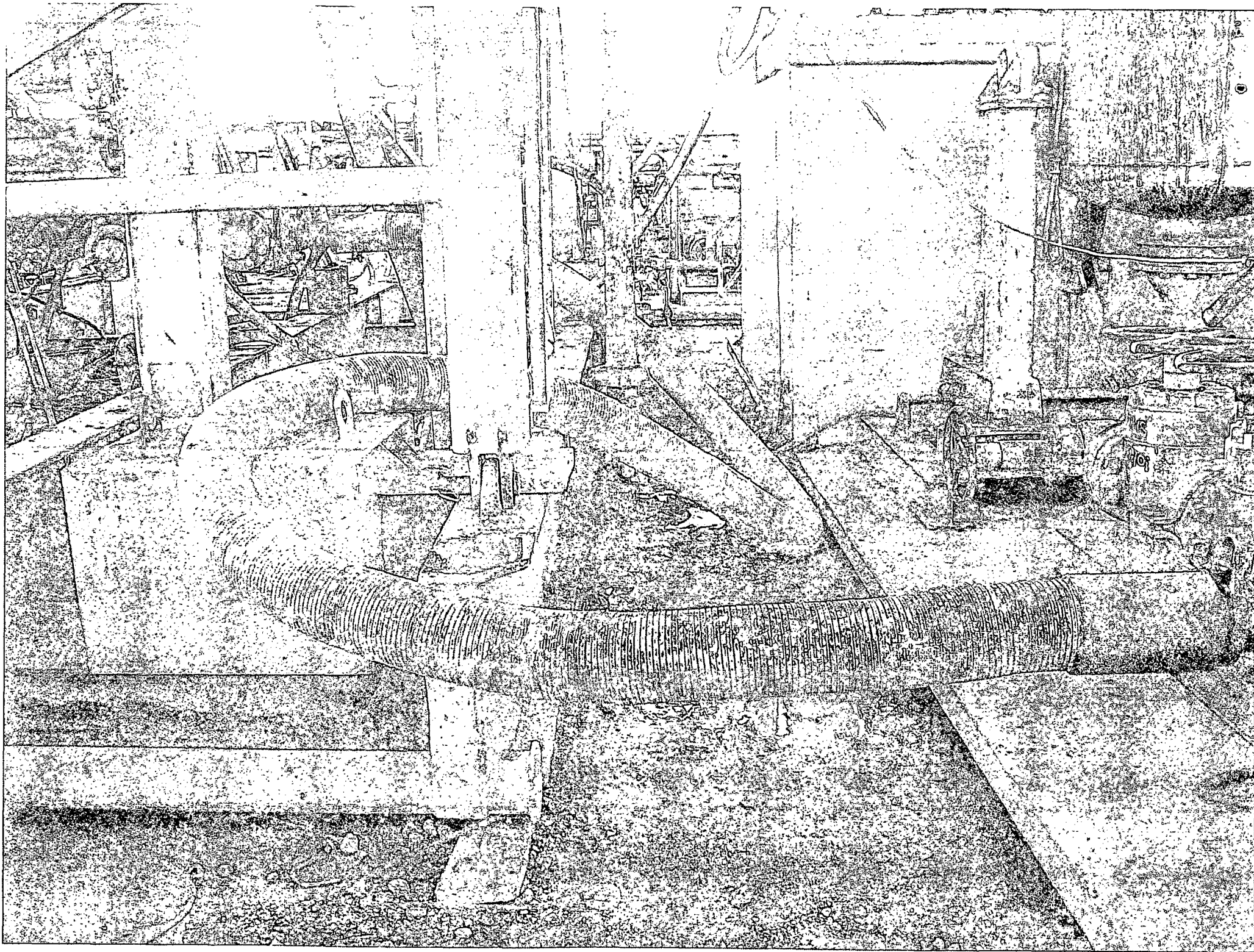
25-23S-32E

SHL 330 FSL & 1980 FWL

BHL 330 FNL & 1980 FWL

Lea County, NM







Midwest Hose
& Specialty, Inc.

Certificate of Conformity

Customer: DEM	PO ODYD-271
-------------------------	-----------------------

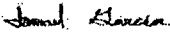
SPECIFICATIONS

Sales Order 79793	Dated: 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: 3/8/2011
---	--------------------------



Midwest Hose
& Specialty, Inc.

Internal Hydrostatic Test Graph

March 3, 2011

Customer: Houston

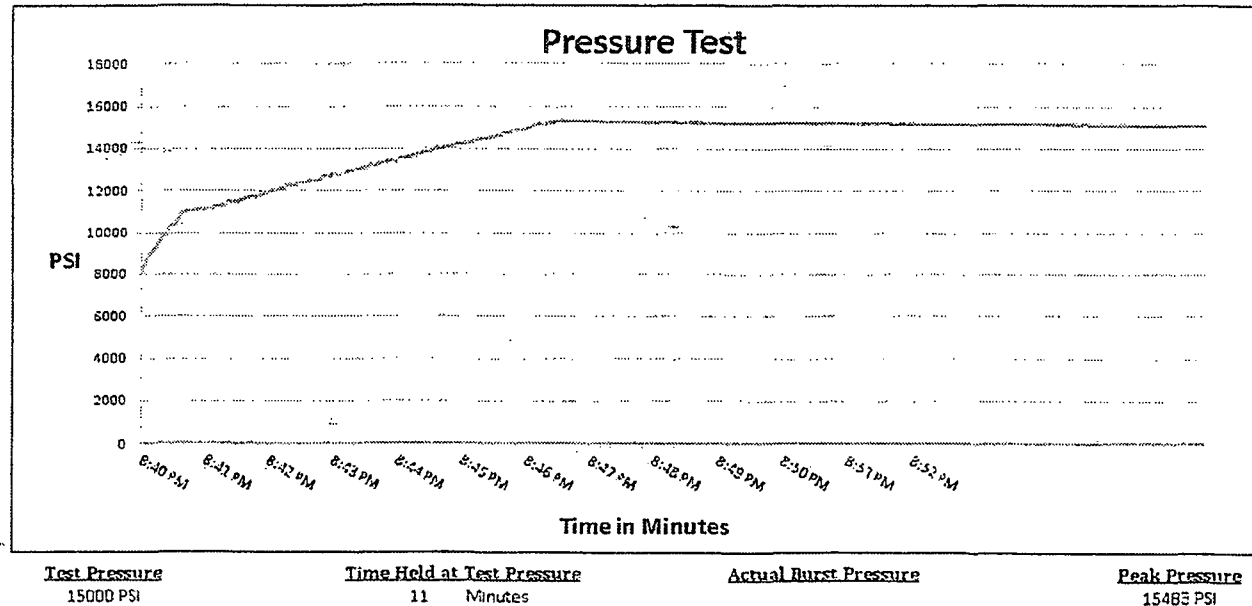
Pick Ticket #: 94260

Hose Specifications

<u>Hose Type</u>	<u>Length</u>
C & K	45'
<u>I.D.</u>	<u>O.D.</u>
4"	6.09"
<u>Working Pressure</u>	<u>Burst Pressure</u>
10000 PSI	Standard Safety Multiplier Applies

Verification

<u>Type of Fitting</u>	<u>Coupling Method</u>
41/16 10K	Swage
<u>Die Size</u>	<u>Final O.D.</u>
6.38"	6.25"
<u>Hose Serial #</u>	<u>Hose Assembly Serial #</u>
5544	79793



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

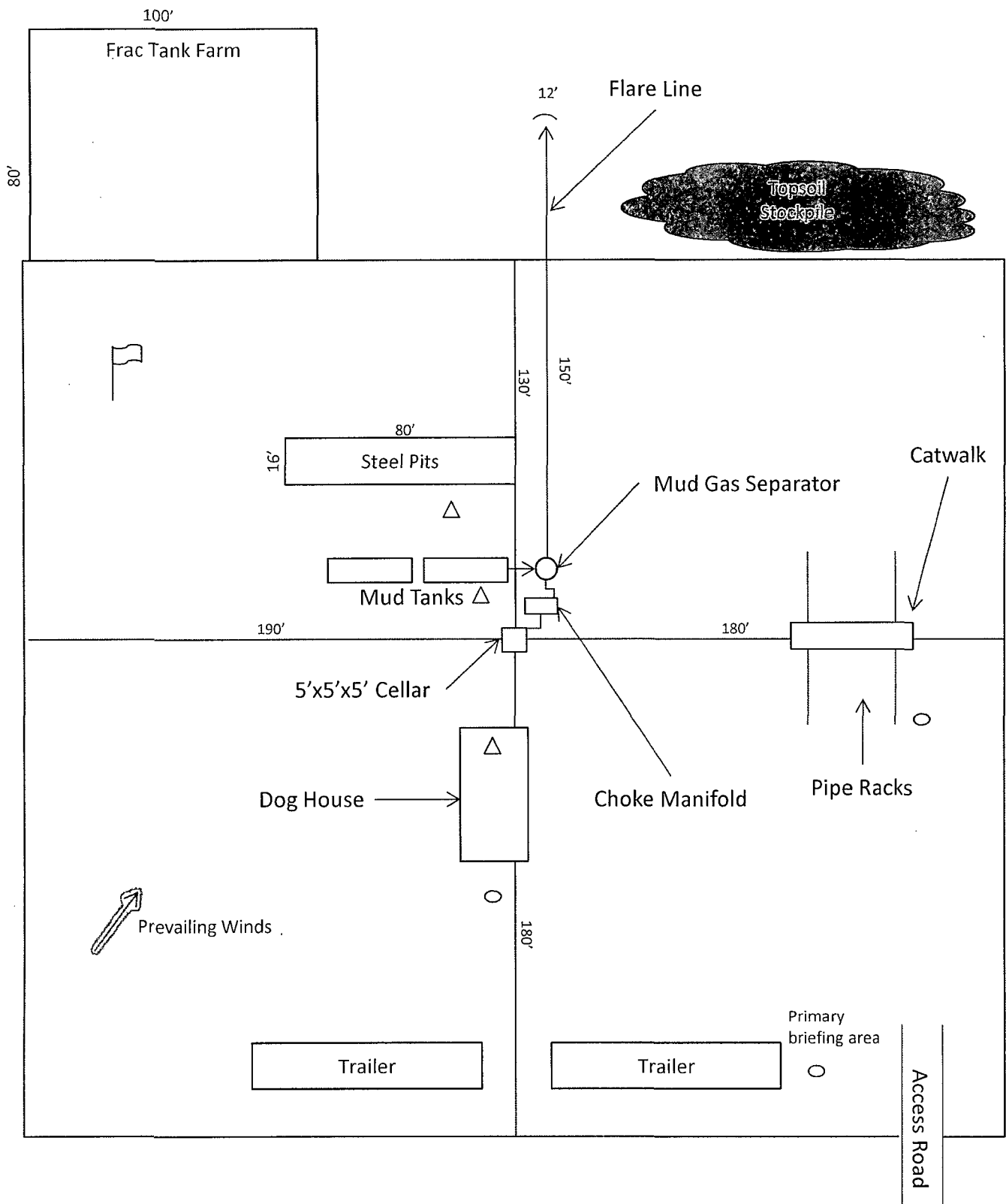
Tested By: Zac McConnell

Approved By: Kim Thomas



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		
<u>Hose assembly pressure tested with water at ambient temperature.</u>		
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 James</i>	Approved: <i>Kevin [Signature]</i>



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

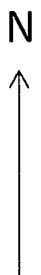


Exhibit D – Rig Diagram
Triste Draw 25 Federal Com 3
 Cimarex Energy Co.
 25-23S-32E
 SHL 330 FSL & 1980 FWL
 BHL 330 FNL & 1980 FWL
 Lea County, NM