

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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.*5. Lease Serial No.
NMLC063228

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

CIMAREX ENERGY CO

Contact: ARICKA EASTERLING

E-Mail: aeasterling@cimarex.com

8. Well Name and No.

TRISTE DRAW 25 FEDERAL COM 12H

9. API Well No.

30-025-43998

3a. Address

202 S. CHEYENNE AVE., STE 1000
TULSA, OK 74103

3b. Phone No. (include area code)

Ph: 918.560.7060

10. Field and Pool or Exploratory Area

TRISTE DRAW-BONE SPRING

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 25 T23S R32E SESW 560FSL 2350FWL
32.269993 N Lat, 103.629272 W Lon

11. County or Parish, State

LEA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

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 recompleat 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 recompleat 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.

Cimarex respectfully request approval to change the original drilling plan for the above referenced well. Cimarex proposes to change BHL there by changing the directional plan. No additional disturbance is required for the well pad.

Proposed

BHL: 330 FNL & 1360 FWL

Please see attached plat, directional plan, drilling plan for changes regarding the well.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #389446 verified by the BLM Well Information System

For CIMAREX ENERGY CO, sent to the Hobbs

Committed to AFMSS for processing by CHRISTOPHER WALLS on 09/27/2017 (17CRW0036SE)

Name (Printed/Typed) ARICKA EASTERLING

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 09/22/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHRISTOPHER WALLS

Title PETROLEUM ENGINEER

Date 09/27/2017

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 Hobbs

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)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

KZ
REQUIRES
NSL ORDER

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

Certificate Number:



Cimarex Triste Draw 25 Federal #12H Rev1 RM 21Sept17 Proposal
Geodetic Report
(Non-Def Plan)



Report Date: September 21, 2017 - 10:28 AM
Client: Cimarex
Field: NM Lea County (NAD 83)
Structure / Slot: Cimarex Triste Draw 25 Federal #12H / Cimarex Triste Draw 25 Federal #12H
Well: Cimarex Triste Draw 25 Federal #12H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Cimarex Triste Draw 25 Federal #12H Rev1 RM 21Sept17
Survey Date: March 22, 2017
Tort / AHD / DDI / ERD Ratio: 144.854 ° / 5201.323 ft / 6.043 / 0.550
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 16' 11.98434", W 103° 37' 45.38706"
Location Grid N/E Y/X: N 462671.290 ftUS, E 758947.830 ftUS
CRS Grid Convergence Angle: 0.3759 °
Grid Scale Factor: 0.99996333
Version / Patch: 2.10.544.0

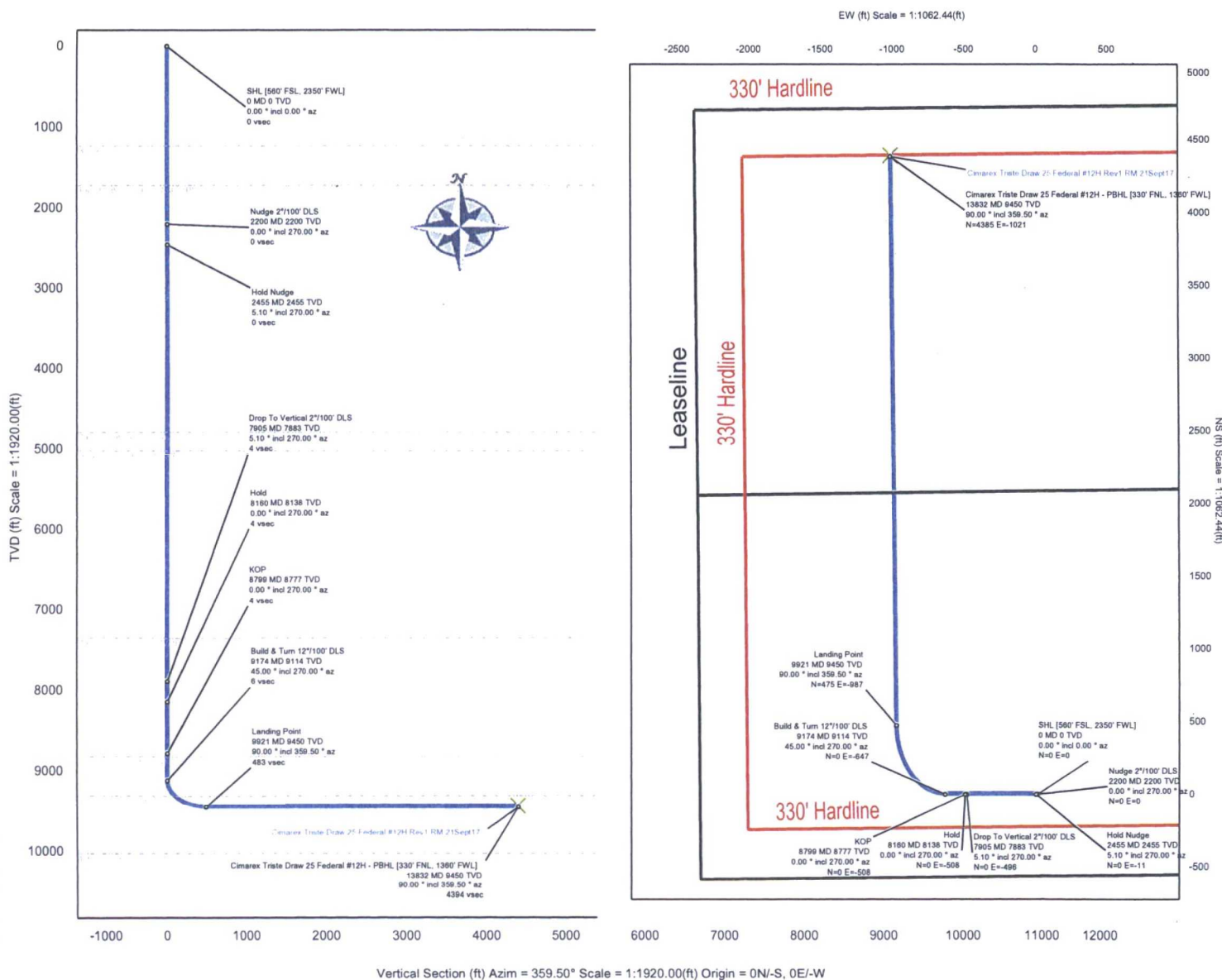
Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 359.500 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3714.200 ft above MSL
Seabed / Ground Elevation: 3690.200 ft above MSL
Magnetic Declination: 6.864 °
Total Gravity Field Strength: 998.4367mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48141.834 nT
Magnetic Dip Angle: 60.067 °
Declination Date: September 21, 2017
Magnetic Declination Model: HDGM 2016
North Reference: Grid North
Grid Convergence Used: 0.3759 °
Total Corr Mag North->Grid North: 6.4880 °
Local Coord Referenced To: Structure Reference Point

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 ° ' ")
SHL [560' FSL, 2350' FWL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	100.00	0.00	270.00	100.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	200.00	0.00	270.00	200.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	300.00	0.00	270.00	300.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	400.00	0.00	270.00	400.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	500.00	0.00	270.00	500.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	600.00	0.00	270.00	600.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	700.00	0.00	270.00	700.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	800.00	0.00	270.00	800.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	900.00	0.00	270.00	900.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	1000.00	0.00	270.00	1000.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	1100.00	0.00	270.00	1100.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	1200.00	0.00	270.00	1200.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
Rustler	1240.00	0.00	270.00	1240.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	1300.00	0.00	270.00	1300.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	1400.00	0.00	270.00	1400.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	1500.00	0.00	270.00	1500.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	1600.00	0.00	270.00	1600.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	1700.00	0.00	270.00	1700.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
Top of Salt (Salado)	1730.00	0.00	270.00	1730.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	1800.00	0.00	270.00	1800.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	1900.00	0.00	270.00	1900.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	2000.00	0.00	270.00	2000.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	
	2100.00	0.00	270.00	2100.00	0.00	0.00	0.00	0.00	462671.29	758947.83	N 32 16 11.98 W 103 37 45.39	

Comments	MD (ft)	Incl (°)	Azim Grd (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northings (ftUS)	Eastings (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
	7500.00	5.10	270.00	7479.66	4.02	0.00	-460.15	0.00	462671.29	756487.70	N 32 16 12.01 W 103 37 50.75	
	7600.00	5.10	270.00	7579.26	4.09	0.00	-469.04	0.00	462671.29	756478.81	N 32 16 12.01 W 103 37 50.65	
	7700.00	5.10	270.00	7678.87	4.17	0.00	-477.94	0.00	462671.29	756469.91	N 32 16 12.02 W 103 37 50.95	
	7800.00	5.10	270.00	7778.47	4.25	0.00	-486.83	0.00	462671.29	756461.01	N 32 16 12.02 W 103 37 51.06	
	7900.00	5.10	270.00	7878.07	4.33	0.00	-495.73	0.00	462671.29	756452.12	N 32 16 12.02 W 103 37 51.16	
Drop To Vertical 27100 DLS	7905.19	5.10	270.00	7883.24	4.33	0.00	-496.19	0.00	462671.29	756451.66	N 32 16 12.02 W 103 37 51.17	
	8000.00	3.21	270.00	7977.80	4.39	0.00	-503.06	2.00	462671.29	756444.79	N 32 16 12.02 W 103 37 51.25	
	8100.00	1.21	270.00	8077.72	4.42	0.00	-506.91	2.00	462671.29	756440.94	N 32 16 12.02 W 103 37 51.29	
	8160.38	0.00	270.00	8138.10	4.43	0.00	-507.55	2.00	462671.29	756440.30	N 32 16 12.02 W 103 37 51.30	
Hold	8200.00	0.00	270.00	8177.72	4.43	0.00	-507.55	0.00	462671.29	756440.30	N 32 16 12.02 W 103 37 51.30	
	8300.00	0.00	270.00	8277.72	4.43	0.00	-507.55	0.00	462671.29	756440.30	N 32 16 12.02 W 103 37 51.30	
	8400.00	0.00	270.00	8377.72	4.43	0.00	-507.55	0.00	462671.29	756440.30	N 32 16 12.02 W 103 37 51.30	
	8500.00	0.00	270.00	8477.72	4.43	0.00	-507.55	0.00	462671.29	756440.30	N 32 16 12.02 W 103 37 51.30	
	8600.00	0.00	270.00	8577.72	4.43	0.00	-507.55	0.00	462671.29	756440.30	N 32 16 12.02 W 103 37 51.30	
	8700.00	0.00	270.00	8677.72	4.43	0.00	-507.55	0.00	462671.29	756440.30	N 32 16 12.02 W 103 37 51.30	
KOP	8709.12	0.00	270.00	8778.84	4.43	0.00	-507.55	0.00	462671.29	756440.30	N 32 16 12.02 W 103 37 51.30	
	8800.00	0.11	270.00	8777.72	4.43	0.00	-507.55	12.00	462671.29	756437.93	N 32 16 12.02 W 103 37 51.30	
Bore Spring	8852.39	6.39	270.00	8830.40	4.46	0.00	-510.52	12.00	462671.29	756439.68	N 32 16 12.02 W 103 37 51.42	
	8900.00	12.11	270.00	8876.97	4.52	0.00	-518.17	12.00	462671.29	756398.68	N 32 16 12.02 W 103 37 51.75	
	9000.00	24.11	270.00	8971.64	4.79	0.00	-548.19	12.00	462671.29	756398.60	N 32 16 12.02 W 103 37 52.57	
Build & Turn 127100 DLS	9100.00	36.11	270.00	9058.20	5.23	0.00	-599.25	12.00	462671.29	756390.46	N 32 16 12.03 W 103 37 52.93	
	9174.12	45.00	270.00	9114.46	5.65	0.00	-647.40	12.00	462671.29	756300.46	N 32 16 12.03 W 103 37 52.93	
	9200.00	45.10	274.39	9132.74	6.51	0.70	-665.69	12.00	462671.99	756292.17	N 32 16 12.03 W 103 37 53.14	
	9300.00	47.04	290.86	9202.37	6.81	16.50	-735.45	12.00	462681.79	756212.41	N 32 16 12.03 W 103 37 53.95	
	9400.00	51.14	305.81	9208.06	59.43	52.44	-801.45	12.00	462723.73	756146.41	N 32 16 12.56 W 103 37 54.72	
Avalon Shale	9487.42	56.77	317.30	9320.00	105.60	99.15	-853.80	12.00	462770.43	756094.08	N 32 16 13.02 W 103 37 55.92	
	9500.00	56.91	318.84	9326.94	114.46	106.96	-860.82	12.00	462778.24	756087.05	N 32 16 13.10 W 103 37 55.40	
	9600.00	63.86	330.11	9376.45	185.61	177.67	-910.94	12.00	462948.95	756036.92	N 32 16 13.80 W 103 37 55.98	
	9700.00	71.58	340.05	9419.42	289.75	267.48	-949.64	12.00	462932.76	757998.23	N 32 16 14.63 W 103 37 56.43	
	9800.00	79.77	349.11	9449.67	363.23	354.73	-975.22	12.00	463026.00	757972.65	N 32 16 15.56 W 103 37 56.72	
	9900.00	88.20	357.70	9458.67	461.94	453.34	-986.56	12.00	463124.62	757961.31	N 32 16 16.53 W 103 37 56.84	
Landing Point	9921.18	90.00	359.50	9450.00	483.11	474.51	-987.77	0.00	463145.78	757960.79	N 32 16 16.74 W 103 37 56.85	
	10000.00	90.00	359.50	9450.00	561.93	553.33	-986.51	0.00	463224.60	757960.10	N 32 16 17.52 W 103 37 56.85	
	10100.00	90.00	359.50	9450.00	661.93	653.33	-986.64	0.00	463324.58	757959.23	N 32 16 18.51 W 103 37 56.85	
	10200.00	90.00	359.50	9450.00	761.93	753.32	-986.51	0.00	463424.58	757958.36	N 32 16 19.50 W 103 37 56.85	
	10300.00	90.00	359.50	9450.00	861.93	853.32	-990.39	0.00	463524.58	757957.49	N 32 16 20.49 W 103 37 56.86	
	10400.00	90.00	359.50	9450.00	961.93	953.31	-992.13	0.00	463624.57	757956.61	N 32 16 21.48 W 103 37 56.86	
	10500.00	90.00	359.50	9450.00	1061.93	1053.31	-992.13	0.00	463724.56	757955.74	N 32 16 22.47 W 103 37 56.86	
	10600.00	90.00	359.50	9450.00	1161.93	1153.31	-993.88	0.00	463824.55	757954.87	N 32 16 23.46 W 103 37 56.86	
	10700.00	90.00	359.50	9450.00	1261.93	1253.30	-993.88	0.00	463924.54	757953.99	N 32 16 24.45 W 103 37 56.87	
	10800.00	90.00	359.50	9450.00	1361.93	1353.30	-994.75	0.00	464024.53	757952.12	N 32 16 25.44 W 103 37 56.87	
	10900.00	90.00	359.50	9450.00	1461.93	1453.30	-995.62	0.00	464124.53	757950.25	N 32 16 26.43 W 103 37 56.87	
	11000.00	90.00	359.50	9450.00	1561.93	1553.29	-996.49	0.00	464224.52	757948.37	N 32 16 27.42 W 103 37 56.87	
	11100.00	90.00	359.50	9450.00	1661.93	1653.29	-997.37	0.00	464324.51	757946.50	N 32 16 28.41 W 103 37 56.88	
	11200.00	90.00	359.50	9450.00	1761.93	1753.28	-998.24	0.00	464424.50	757944.63	N 32 16 29.40 W 103 37 56.88	
	11300.00	90.00	359.50	9450.00	1861.93	1853.28	-999.11	0.00	464524.49	757942.76	N 32 16 30.39 W 103 37 56.88	
	11400.00	90.00	359.50	9450.00	1961.93	1953.28	-1000.96	0.00	464624.48	757940.88	N 32 16 31.38 W 103 37 56.88	
	11500.00	90.00	359.50	9450.00	2061.93	2053.27	-1000.86	0.00	464724.47	757939.01	N 32 16 32.37 W 103 37 56.89	
	11600.00	90.00	359.50	9450.00	2161.93	2153.27	-1001.73	0.00	464824.46	757937.14	N 32 16 33.36 W 103 37 56.89	
	11700.00	90.00	359.50	9450.00	2261.93	2253.26	-1002.60	0.00	464924.45	757935.27	N 32 16 34.35 W 103 37 56.89	
	11800.00	90.00	359.50	9450.00	2361.93	2353.26	-1003.47	0.00	465024.46	757933.40	N 32 16 35.34 W 103 37 56.89	
	11900.00	90.00	359.50	9450.00	2461.93	2453.26	-1004.35	0.00	465124.45	757931.53	N 32 16 36.33 W 103 37 56.90	
	12000.00	90.00	359.50	9450.00	2561.93	2553.25	-1005.22	0.00	465224.44	757929.66	N 32 16 37.31 W 103 37 56.90	
	12100.00	90.00	359.50	9450.00	2661.93	2653.25	-1006.09	0.00	465324.43	757927.79	N 32 16 38.30 W 103 37 56.90	
	12200.00	90.00	359.50	9450.00	2761.93	2753.25	-1006.97	0.00	465424.42	757925.92	N 32 16 39.29 W 103 37 56.91	
	12300.00	90.00	359.50	9450.00	2861.93	2853.24	-1007.84	0.00	465524.42	757924.05	N 32 16 40.28 W 103 37 56.91	

Borehole:	Well:	Field:	Structure:
Original Borehole	Cimarex Triste Draw 25 Federal #12H	NM Lea County (NAD 83)	Cimarex Triste Draw 25 Federal #12H

Gravity & Magnetic Parameters		Surface Location NAD83 New Mexico State Plane, Eastern Zone, US Feet		Miscellaneous	
Model: HDGM 2016	Dip: 60.067°	Date: 21-Sep-2017	Lat: N 32 16 11.98	Northings: 462671.29RUS	Grid Conv: 0.3759°
MagDec: 6.864°	FS: 48141.834nT	Gravity FS: 998.437mgm (9.80665 Based)	Lon: W 103 37 45.39	Easting: 758947.83RUS	Scale Fact: 0.99996333
				Plan: Cimarex Triste Draw 25 Federal #12H Rev1 RM 21Sept17	



Critical Points

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
SHL [560' FSL, 2350' FWL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rustler	1240.00	0.00	270.00	1240.00	0.00	0.00	0.00	0.00
Top of Salt (Salado)	1730.00	0.00	270.00	1730.00	0.00	0.00	0.00	0.00
Nudge 2°/100' DLS	2200.00	0.00	270.00	2200.00	0.00	0.00	0.00	0.00
Hold Nudge	2455.19	5.10	270.00	2454.85	0.10	0.00	-11.36	2.00
Base of Salt	4809.67	5.10	270.00	4800.00	1.93	0.00	-220.81	0.00
Delaware Sands	5040.59	5.10	270.00	5030.00	2.11	0.00	-241.36	0.00
Brushy Canyon	7379.86	5.10	270.00	7360.00	3.92	0.00	-449.46	0.00
Drop To Vertical 2°/100' DLS	7905.19	5.10	270.00	7883.24	4.33	0.00	-496.19	0.00
Hold	8160.38	0.00	270.00	8138.10	4.43	0.00	-507.55	2.00
KOP	8799.12	0.00	270.00	8776.84	4.43	0.00	-507.55	0.00
Bone Spring	8852.39	6.39	270.00	8830.00	4.46	0.00	-510.52	12.00
Build & Turn 12°/100' DLS	9174.12	45.00	270.00	9114.46	5.65	0.00	-647.40	12.00
Avalon Shale	9487.42	56.11	317.30	9320.00	106.60	99.15	-853.80	12.00
Landing Point	9921.18	90.00	359.50	9450.00	483.11	474.51	-987.08	12.00
Cimarex Triste Draw 25 Federal #12H - PBHL [330' FNL, 1360' FWL]	13832.31	90.00	359.50	9450.00	4394.23	4385.49	-1021.21	0.00
1st Bone Spring Sand	NaN			10040.00				