

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: <u>Cimarex Energy Co.</u> Telephone: <u>972-401-3111</u> e-mail address: <u>zfaris@cimarex.com</u>		
Address: <u>PO Box 140907, Irving, TX 75014-0907</u>		
Facility or well name: <u>Torreys 7 Fee No. 1</u> API #: <u>30-025-38586</u> U/L or Qtr/Qtr <u>M</u> Sec <u>7</u> T <u>15S</u> R <u>38E</u>		
County: <u>Lea</u> Latitude <u>33° 01' 32.68 N</u> Longitude <u>103° 08' 37.08 W</u> NAD: 1927 ☐ 1983 ☒		
Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐		
Pit Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness <u>12</u> mil Clay ☐ Pit Volume _____ bbl closed system, cuttings buried	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not: _____	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) <u>60'</u>	Less than 50 feet <u>50 feet or more, but less than 100 feet</u> 100 feet or more	(20 points) (10 points) (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes <u>No</u>	(20 points) (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet <u>1000 feet or more</u>	(20 points) (10 points) (0 points)
Ranking Score (Total Points)		20

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date 10.11.07

Printed Name/Title Natalie Krueger - Regulatory Analyst

Signature Natalie Krueger

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title [Signature]

Signature [Signature]

Date:

OCT 11 2007

FAUX

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1625 N French Dr., Hobbs, NM 88240

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1900 Rio Brazos Rd., Aztec, NM 87410

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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-38586	Pool Code 17290	Pool Name Denton; Wolfcamp
Property Code 36772	Property Name TORREYS "7" FEE	Well Number 1
GRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3775'

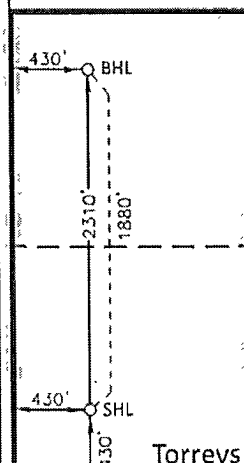
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	7	15 S	38 E		430	SOUTH	430	WEST	LEA

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
L	7	15 S	38 E		2310	SOUTH	430	WEST	LEA
Dedicated Acres 80		Joint or Infill	Consolidation Code	Order No.					

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

 BOTTOM HOLE LOCATION Lat - N33°01'51.3" Long - W103°08'37.0" NMSPCE - N 740846.476 E 905958.317 (NAD-83) SURFACE LOCATION Lat - N33°01'32.68" Long - W103°08'37.08" NMSPCF - N 738966.6 E 905979.9 (NAD-83) Torreys 7 Fee #1				OPERATOR CERTIFICATION <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 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> Signature: <u>Natalie Krueger</u> Date: <u>10-11-07</u> Printed Name: <u>Natalie Krueger</u>	
				SURVEYOR CERTIFICATION <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> SEPTEMBER 27, 2007 Date Surveyed: <u>SEP 27 2007</u> Signature: <u>GARY L. JONES</u> Professional Surveyor Certificate No. Gary L. Jones 7977 BASIN SURVEYS	



30-025-38586

Cimarex Energy Co., Inc.

Lea County (NAD 83)

Torrey 7 Fee #1H

Torrey 7 Fee #1H

Lateral

Plan: Plan #1

Standard Survey Report

10 October, 2007





Black Viper Energy Survey Report



Company: Cimarex Energy Co., Inc.
Project: Lea County (NAD 83)
Site: Torrey 7 Fee #1H
Well: Torrey 7 Fee #1H
Wellbore: Lateral
Design: Plan #1

Local Co-ordinate Reference: Well Torrey 7 Fee #1H
TVD Reference: WELL @ 3775 00ft (Original Well Elev)
MD Reference: WELL @ 3775 00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003 14 1 0 Server DB

Project: Lea County (NAD 83)
Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

Site: Torrey 7 Fee #1H

Site Position: Northing: 738,966 60 ft Latitude: 33° 1' 32 667 N
From: Map Easting: 905,979 90 ft Longitude: 103° 8' 37 060 W
Position Uncertainty: 0 00 ft Slot Radius: Grid Convergence: 0 65 °

Well: Torrey 7 Fee #1H

Well Position: +N/-S 0 00 ft Northing: 738,966 60 ft Latitude: 33° 1' 32 667 N
+E/-W 0 00 ft Easting: 905,979 90 ft Longitude: 103° 8' 37 060 W
Position Uncertainty: 0 00 ft Wellhead Elevation: ft Ground Level: 0 00 ft

Wellbore: Lateral

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	10/10/2007	7 88	61 11	49,539

Design: Plan #1

Audit Notes:

Version: Phase: PROTOTYPE Tie On Depth: 9,193 00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0 00	0 00	0 00	359 34

Survey Tool Program Date 10/10/2007

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
9,193 00	11,182 03	Plan #1 (Lateral)	MWD	MWD - Standard

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,193 01	0 00	0 00	9,193 01	0 00	0 00	0 00	0 00	0 00	0 00
KOP - Build 30.0° / 100									
9,200 00	2 10	359 34	9,200 00	0 13	0 00	0 13	30 00	30 00	0 00
9,210 00	5 10	359 34	9,209 98	0 75	-0 01	0 75	30 00	30 00	0 00
9,220 00	8 10	359 34	9,219 91	1 90	-0 02	1 90	30 00	30 00	0 00
9,230 00	11 10	359 34	9,229 77	3 57	-0 04	3 57	30 00	30 00	0 00
9,240 00	14 10	359 34	9,239 53	5 75	-0 07	5 75	30 00	30 00	0 00
9,250 00	17 10	359 34	9,249 16	8 44	-0 10	8 44	30 00	30 00	0 00
9,260 00	20 10	359 34	9,258 64	11 63	-0 13	11 63	30 00	30 00	0 00
9,270 00	23 10	359 34	9,267 93	15 31	-0 18	15 31	30 00	30 00	0 00
9,280 00	26 10	359 34	9,277 02	19 47	-0 22	19 47	30 00	30 00	0 00
9,290 00	29 10	359 34	9,285 88	24 10	-0 28	24 10	30 00	30 00	0 00
9,300 00	32 10	359 34	9,294 49	29 19	-0 34	29 19	30 00	30 00	0 00



Black Viper Energy

Survey Report



Company: Cimarex Energy Co., Inc.
Project: Lea County (NAD 83)
Site: Torrey 7 Fee #1H
Well: Torrey 7 Fee #1H
Wellbore: Lateral
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well Torrey 7 Fee #1H
WELL @ 3775 00ft (Original Well Elev)
WELL @ 3775 00ft (Original Well Elev)
Grid
Minimum Curvature
EDM 2003 14 1 0 Server DB

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,310 00	35 10	359 34	9,302 82	34 72	-0 40	34 72	30 00	30 00	0 00
9,320 00	38 10	359 34	9,310 85	40 68	-0 47	40 68	30 00	30 00	0 00
9,330 00	41 10	359 34	9,318 55	47 05	-0 54	47 06	30 00	30 00	0 00
9,340 00	44 10	359 34	9,325 91	53 82	-0 62	53 82	30 00	30 00	0 00
9,350 00	47 10	359 34	9,332 91	60 96	-0 70	60 97	30 00	30 00	0 00
9,360 00	50 10	359 34	9,339 52	68 46	-0 79	68 47	30 00	30 00	0 00
9,370 00	53 10	359 34	9,345 73	76 30	-0 88	76 30	30 00	30 00	0 00
9,380 00	56 10	359 34	9,351 53	84 45	-0 97	84 45	30 00	30 00	0 00
9,384 51	57 45	359 34	9,354 00	88 22	-1 01	88 23	30 00	30 00	0 00
Wolfcamp									
9,390 00	59 10	359 34	9,356 89	92 89	-1 07	92 89	30 00	30 00	0 00
9,400 00	62 10	359 34	9,361 79	101 60	-1 17	101 61	30 00	30 00	0 00
9,410 00	65 10	359 34	9,366 24	110 55	-1 27	110 56	30 00	30 00	0 00
9,420 00	68 10	359 34	9,370 21	119 73	-1 37	119 74	30 00	30 00	0 00
9,430 00	71 10	359 34	9,373 70	129 10	-1 48	129 11	30 00	30 00	0 00
9,440 00	74 10	359 34	9,376 69	138 64	-1 59	138 65	30 00	30 00	0 00
9,450 00	77 10	359 34	9,379 18	148 32	-1 70	148 33	30 00	30 00	0 00
9,460 00	80 10	359 34	9,381 15	158 13	-1 82	158 14	30 00	30 00	0 00
9,470 00	83 10	359 34	9,382 62	168 02	-1 93	168 03	30 00	30 00	0 00
9,480 00	86 10	359 34	9,383 56	177 97	-2 04	177 98	30 00	30 00	0 00
9,490 00	89 10	359 34	9,383 98	187 96	-2 16	187 97	30 00	30 00	0 00
9,493 01	90 00	359 34	9,384 00	190 97	-2 19	190 99	30 00	30 00	0 00
EOC - Hold 90.0° Inc. :: 359.34° Azi.									
9,500 00	90 00	359 34	9,384 00	197 96	-2 27	197 97	0 00	0 00	0 00
9,600 00	90 00	359 34	9,384 00	297 95	-3 42	297 97	0 00	0 00	0 00
9,700 00	90 00	359 34	9,384 00	397 95	-4 57	397 97	0 00	0 00	0 00
9,800 00	90 00	359 34	9,384 00	497 94	-5 72	497 97	0 00	0 00	0 00
9,900 00	90 00	359 34	9,384 00	597 93	-6 86	597 97	0 00	0 00	0 00
10,000 00	90 00	359 34	9,384 00	697 93	-8 01	697 97	0 00	0 00	0 00
10,100 00	90 00	359 34	9,384 00	797 92	-9 16	797 97	0 00	0 00	0 00
10,200 00	90 00	359 34	9,384 00	897 91	-10 31	897 97	0 00	0 00	0 00
10,300 00	90 00	359 34	9,384 00	997 91	-11 46	997 97	0 00	0 00	0 00
10,400 00	90 00	359 34	9,384 00	1,097 90	-12 61	1,097 97	0 00	0 00	0 00
10,500 00	90 00	359 34	9,384 00	1,197 89	-13 75	1,197 97	0 00	0 00	0 00
10,600 00	90 00	359 34	9,384 00	1,297 89	-14 90	1,297 97	0 00	0 00	0 00
10,700 00	90 00	359 34	9,384 00	1,397 88	-16 05	1,397 97	0 00	0 00	0 00
10,800 00	90 00	359 34	9,384 00	1,497 87	-17 20	1,497 97	0 00	0 00	0 00
10,900 00	90 00	359 34	9,384 00	1,597 87	-18 35	1,597 97	0 00	0 00	0 00
11,000 00	90 00	359 34	9,384 00	1,697 86	-19 49	1,697 97	0 00	0 00	0 00
11,100 00	90 00	359 34	9,384 00	1,797 85	-20 64	1,797 97	0 00	0 00	0 00
11,182 03	90 00	359 34	9,384 00	1,879 88	-21 58	1,880 00	0 00	0 00	0 00

PBHL#1[T7Fee]



Black Viper Energy
Survey Report



Company: Cimarex Energy Co., Inc
Project: Lea County (NAD 83)
Site: Torrey 7 Fee #1H
Well: Torrey 7 Fee #1H
Wellbore: Lateral
Design: Plan #1

Local Co-ordinate Reference: Well Torrey 7 Fee #1H
TVD Reference: WELL @ 3775 00ft (Original Well Elev)
MD Reference: WELL @ 3775 00ft (Original Well Elev)
North Reference: Gnd
Survey Calculation Method: Minimum Curvature
Database: EDM 2003 14 1 0 Server DB

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL#1[T7Fee]	0 00	0 00	9,384 00	1,879 88	-21 58	740,846 48	905,958 32	33° 1' 51 266 N	103° 8' 37 064 W
- plan hits target									
- Point									

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
9,384 51	9,354 00	Wolfcamp		0 00	0 00
	9,637 00	Wolfcamp B		0 00	

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
9,193 01	9,193 01	0 00	0 00	KOP - Build 30 0° / 100
9,493 01	9,384 00	190 97	-2 19	EOC - Hold 90 0° Inc 359 34° Azi

Checked By: _____ Approved By: _____ Date: _____

Torrey 7 Fee #1H Lateral Plan #1 Report 10-10-07.txt
Cimarex Energy Co., Inc.
Torrey 7 Fee #1H - Plan #1

Lea County (NAD 83)
Torrey 7 Fee #1H

Measured Dogleg Depth Rate (ft) (°/100ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)
9200.00	2.096	359.342	9200.00	0.13 N	0.00 W	0.13
0.00						
9210.00	5.096	359.342	9209.98	0.75 N	0.01 W	0.75
30.00						
9220.00	8.096	359.342	9219.91	1.90 N	0.02 W	1.90
30.00						
9230.00	11.096	359.342	9229.77	3.57 N	0.04 W	3.57
30.00						
9240.00	14.096	359.342	9239.53	5.75 N	0.07 W	5.75
30.00						
9250.00	17.096	359.342	9249.16	8.44 N	0.10 W	8.44
30.00						
9260.00	20.096	359.342	9258.64	11.63 N	0.13 W	11.63
30.00						
9270.00	23.096	359.342	9267.93	15.31 N	0.18 W	15.31
30.00						
9280.00	26.096	359.342	9277.02	19.47 N	0.22 W	19.47
30.00						
9290.00	29.096	359.342	9285.88	24.10 N	0.28 W	24.10
30.00						
9300.00	32.096	359.342	9294.49	29.19 N	0.34 W	29.19
30.00						
9310.00	35.096	359.342	9302.82	34.72 N	0.40 W	34.72
30.00						
9320.00	38.096	359.342	9310.85	40.68 N	0.47 W	40.68
30.00						
9330.00	41.096	359.342	9318.55	47.05 N	0.54 W	47.06
30.00						
9340.00	44.096	359.342	9325.91	53.82 N	0.62 W	53.82
30.00						
9350.00	47.096	359.342	9332.91	60.96 N	0.70 W	60.97
30.00						
9360.00	50.096	359.342	9339.52	68.46 N	0.79 W	68.47
30.00						
9370.00	53.096	359.342	9345.73	76.30 N	0.88 W	76.30
30.00						
9380.00	56.096	359.342	9351.53	84.45 N	0.97 W	84.45
30.00						
9390.00	59.096	359.342	9356.89	92.89 N	1.07 W	92.89
30.00						
9400.00	62.096	359.342	9361.79	101.60 N	1.17 W	101.61
30.00						
9410.00	65.096	359.342	9366.24	110.55 N	1.27 W	110.56
30.00						
9420.00	68.096	359.342	9370.21	119.73 N	1.37 W	119.74
30.00						
9430.00	71.096	359.342	9373.70	129.10 N	1.48 W	129.11
30.00						
9440.00	74.096	359.342	9376.69	138.64 N	1.59 W	138.65
30.00						

Torrey 7 Fee #1H Lateral Plan #1 Report 10-10-07.txt

9450.00	77.096	359.342	9379.18	148.32 N	1.70 W	148.33
30.00						
9460.00	80.096	359.342	9381.15	158.13 N	1.82 W	158.14
30.00						
9470.00	83.096	359.342	9382.62	168.02 N	1.93 W	168.03
30.00						
9480.00	86.096	359.342	9383.56	177.97 N	2.04 W	177.98
30.00						
9490.00	89.096	359.342	9383.98	187.96 N	2.16 W	187.97
30.00						
9500.00	90.000	359.342	9384.00	197.96 N	2.27 W	197.97
9.04						
9510.00	90.000	359.342	9384.00	207.96 N	2.39 W	207.97
0.00						
9520.00	90.000	359.342	9384.00	217.96 N	2.50 W	217.97
0.00						
9530.00	90.000	359.342	9384.00	227.96 N	2.62 W	227.97
0.00						
9540.00	90.000	359.342	9384.00	237.96 N	2.73 W	237.97
0.00						
9550.00	90.000	359.342	9384.00	247.96 N	2.85 W	247.97
0.00						
9560.00	90.000	359.342	9384.00	257.96 N	2.96 W	257.97
0.00						
9570.00	90.000	359.342	9384.00	267.95 N	3.08 W	267.97
0.00						
9580.00	90.000	359.342	9384.00	277.95 N	3.19 W	277.97
0.00						
9590.00	90.000	359.342	9384.00	287.95 N	3.31 W	287.97
0.00						
9600.00	90.000	359.342	9384.00	297.95 N	3.42 W	297.97
0.00						
9610.00	90.000	359.342	9384.00	307.95 N	3.54 W	307.97
0.00						
9620.00	90.000	359.342	9384.00	317.95 N	3.65 W	317.97
0.00						
9630.00	90.000	359.342	9384.00	327.95 N	3.77 W	327.97
0.00						
9640.00	90.000	359.342	9384.00	337.95 N	3.88 W	337.97
0.00						
9650.00	90.000	359.342	9384.00	347.95 N	3.99 W	347.97
0.00						
9660.00	90.000	359.342	9384.00	357.95 N	4.11 W	357.97
0.00						
9670.00	90.000	359.342	9384.00	367.95 N	4.22 W	367.97
0.00						
9680.00	90.000	359.342	9384.00	377.95 N	4.34 W	377.97
0.00						
9690.00	90.000	359.342	9384.00	387.95 N	4.45 W	387.97
0.00						
9700.00	90.000	359.342	9384.00	397.95 N	4.57 W	397.97
0.00						
9710.00	90.000	359.342	9384.00	407.95 N	4.68 W	407.97
0.00						
9720.00	90.000	359.342	9384.00	417.94 N	4.80 W	417.97
0.00						
9730.00	90.000	359.342	9384.00	427.94 N	4.91 W	427.97
0.00						
9740.00	90.000	359.342	9384.00	437.94 N	5.03 W	437.97
0.00						
9750.00	90.000	359.342	9384.00	447.94 N	5.14 W	447.97
0.00						
9760.00	90.000	359.342	9384.00	457.94 N	5.26 W	457.97

Torrey 7 Fee #1H Lateral Plan #1 Report 10-10-07.txt

0.00							
9770.00	90.000	359.342	9384.00	467.94 N	5.37 W	467.97	
0.00							
9780.00	90.000	359.342	9384.00	477.94 N	5.49 W	477.97	
0.00							
9790.00	90.000	359.342	9384.00	487.94 N	5.60 W	487.97	
0.00							
9800.00	90.000	359.342	9384.00	497.94 N	5.72 W	497.97	
0.00							
9810.00	90.000	359.342	9384.00	507.94 N	5.83 W	507.97	
0.00							
9820.00	90.000	359.342	9384.00	517.94 N	5.95 W	517.97	
0.00							
9830.00	90.000	359.342	9384.00	527.94 N	6.06 W	527.97	
0.00							
9840.00	90.000	359.342	9384.00	537.94 N	6.18 W	537.97	
0.00							
9850.00	90.000	359.342	9384.00	547.94 N	6.29 W	547.97	
0.00							
9860.00	90.000	359.342	9384.00	557.94 N	6.41 W	557.97	
0.00							
9870.00	90.000	359.342	9384.00	567.93 N	6.52 W	567.97	
0.00							
9880.00	90.000	359.342	9384.00	577.93 N	6.64 W	577.97	
0.00							
9890.00	90.000	359.342	9384.00	587.93 N	6.75 W	587.97	
0.00							
9900.00	90.000	359.342	9384.00	597.93 N	6.86 W	597.97	
0.00							
9910.00	90.000	359.342	9384.00	607.93 N	6.98 W	607.97	
0.00							
9920.00	90.000	359.342	9384.00	617.93 N	7.09 W	617.97	
0.00							
9930.00	90.000	359.342	9384.00	627.93 N	7.21 W	627.97	
0.00							
9940.00	90.000	359.342	9384.00	637.93 N	7.32 W	637.97	
0.00							
9950.00	90.000	359.342	9384.00	647.93 N	7.44 W	647.97	
0.00							
9960.00	90.000	359.342	9384.00	657.93 N	7.55 W	657.97	
0.00							
9970.00	90.000	359.342	9384.00	667.93 N	7.67 W	667.97	
0.00							
9980.00	90.000	359.342	9384.00	677.93 N	7.78 W	677.97	
0.00							
9990.00	90.000	359.342	9384.00	687.93 N	7.90 W	687.97	
0.00							
10000.00	90.000	359.342	9384.00	697.93 N	8.01 W	697.97	
0.00							
10010.00	90.000	359.342	9384.00	707.93 N	8.13 W	707.97	
0.00							
10020.00	90.000	359.342	9384.00	717.92 N	8.24 W	717.97	
0.00							
10030.00	90.000	359.342	9384.00	727.92 N	8.36 W	727.97	
0.00							
10040.00	90.000	359.342	9384.00	737.92 N	8.47 W	737.97	
0.00							
10050.00	90.000	359.342	9384.00	747.92 N	8.59 W	747.97	
0.00							
10060.00	90.000	359.342	9384.00	757.92 N	8.70 W	757.97	
0.00							
10070.00	90.000	359.342	9384.00	767.92 N	8.82 W	767.97	
0.00							

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10080.00	90.000	359.342	9384.00	777.92 N	8.93 W	777.97
0.00						
10090.00	90.000	359.342	9384.00	787.92 N	9.05 W	787.97
0.00						
10100.00	90.000	359.342	9384.00	797.92 N	9.16 W	797.97
0.00						
10110.00	90.000	359.342	9384.00	807.92 N	9.28 W	807.97
0.00						
10120.00	90.000	359.342	9384.00	817.92 N	9.39 W	817.97
0.00						
10130.00	90.000	359.342	9384.00	827.92 N	9.51 W	827.97
0.00						
10140.00	90.000	359.342	9384.00	837.92 N	9.62 W	837.97
0.00						
10150.00	90.000	359.342	9384.00	847.92 N	9.73 W	847.97
0.00						
10160.00	90.000	359.342	9384.00	857.92 N	9.85 W	857.97
0.00						
10170.00	90.000	359.342	9384.00	867.91 N	9.96 W	867.97
0.00						
10180.00	90.000	359.342	9384.00	877.91 N	10.08 W	877.97
0.00						
10190.00	90.000	359.342	9384.00	887.91 N	10.19 W	887.97
0.00						
10200.00	90.000	359.342	9384.00	897.91 N	10.31 W	897.97
0.00						
10210.00	90.000	359.342	9384.00	907.91 N	10.42 W	907.97
0.00						
10220.00	90.000	359.342	9384.00	917.91 N	10.54 W	917.97
0.00						
10230.00	90.000	359.342	9384.00	927.91 N	10.65 W	927.97
0.00						
10240.00	90.000	359.342	9384.00	937.91 N	10.77 W	937.97
0.00						
10250.00	90.000	359.342	9384.00	947.91 N	10.88 W	947.97
0.00						
10260.00	90.000	359.342	9384.00	957.91 N	11.00 W	957.97
0.00						
10270.00	90.000	359.342	9384.00	967.91 N	11.11 W	967.97
0.00						
10280.00	90.000	359.342	9384.00	977.91 N	11.23 W	977.97
0.00						
10290.00	90.000	359.342	9384.00	987.91 N	11.34 W	987.97
0.00						
10300.00	90.000	359.342	9384.00	997.91 N	11.46 W	997.97
0.00						
10310.00	90.000	359.342	9384.00	1007.91 N	11.57 W	1007.97
0.00						
10320.00	90.000	359.342	9384.00	1017.90 N	11.69 W	1017.97
0.00						
10330.00	90.000	359.342	9384.00	1027.90 N	11.80 W	1027.97
0.00						
10340.00	90.000	359.342	9384.00	1037.90 N	11.92 W	1037.97
0.00						
10350.00	90.000	359.342	9384.00	1047.90 N	12.03 W	1047.97
0.00						
10360.00	90.000	359.342	9384.00	1057.90 N	12.15 W	1057.97
0.00						
10370.00	90.000	359.342	9384.00	1067.90 N	12.26 W	1067.97
0.00						
10380.00	90.000	359.342	9384.00	1077.90 N	12.38 W	1077.97
0.00						
10390.00	90.000	359.342	9384.00	1087.90 N	12.49 W	1087.97

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0.00						
10400.00	90.000	359.342	9384.00	1097.90 N	12.61 W	1097.97
0.00						
10410.00	90.000	359.342	9384.00	1107.90 N	12.72 W	1107.97
0.00						
10420.00	90.000	359.342	9384.00	1117.90 N	12.83 W	1117.97
0.00						
10430.00	90.000	359.342	9384.00	1127.90 N	12.95 W	1127.97
0.00						
10440.00	90.000	359.342	9384.00	1137.90 N	13.06 W	1137.97
0.00						
10450.00	90.000	359.342	9384.00	1147.90 N	13.18 W	1147.97
0.00						
10460.00	90.000	359.342	9384.00	1157.90 N	13.29 W	1157.97
0.00						
10470.00	90.000	359.342	9384.00	1167.90 N	13.41 W	1167.97
0.00						
10480.00	90.000	359.342	9384.00	1177.89 N	13.52 W	1177.97
0.00						
10490.00	90.000	359.342	9384.00	1187.89 N	13.64 W	1187.97
0.00						
10500.00	90.000	359.342	9384.00	1197.89 N	13.75 W	1197.97
0.00						
10510.00	90.000	359.342	9384.00	1207.89 N	13.87 W	1207.97
0.00						
10520.00	90.000	359.342	9384.00	1217.89 N	13.98 W	1217.97
0.00						
10530.00	90.000	359.342	9384.00	1227.89 N	14.10 W	1227.97
0.00						
10540.00	90.000	359.342	9384.00	1237.89 N	14.21 W	1237.97
0.00						
10550.00	90.000	359.342	9384.00	1247.89 N	14.33 W	1247.97
0.00						
10560.00	90.000	359.342	9384.00	1257.89 N	14.44 W	1257.97
0.00						
10570.00	90.000	359.342	9384.00	1267.89 N	14.56 W	1267.97
0.00						
10580.00	90.000	359.342	9384.00	1277.89 N	14.67 W	1277.97
0.00						
10590.00	90.000	359.342	9384.00	1287.89 N	14.79 W	1287.97
0.00						
10600.00	90.000	359.342	9384.00	1297.89 N	14.90 W	1297.97
0.00						
10610.00	90.000	359.342	9384.00	1307.89 N	15.02 W	1307.97
0.00						
10620.00	90.000	359.342	9384.00	1317.89 N	15.13 W	1317.97
0.00						
10630.00	90.000	359.342	9384.00	1327.88 N	15.25 W	1327.97
0.00						
10640.00	90.000	359.342	9384.00	1337.88 N	15.36 W	1337.97
0.00						
10650.00	90.000	359.342	9384.00	1347.88 N	15.48 W	1347.97
0.00						
10660.00	90.000	359.342	9384.00	1357.88 N	15.59 W	1357.97
0.00						
10670.00	90.000	359.342	9384.00	1367.88 N	15.70 W	1367.97
0.00						
10680.00	90.000	359.342	9384.00	1377.88 N	15.82 W	1377.97
0.00						
10690.00	90.000	359.342	9384.00	1387.88 N	15.93 W	1387.97
0.00						
10700.00	90.000	359.342	9384.00	1397.88 N	16.05 W	1397.97
0.00						

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10710.00	90.000	359.342	9384.00	1407.88 N	16.16 W	1407.97
0.00						
10720.00	90.000	359.342	9384.00	1417.88 N	16.28 W	1417.97
0.00						
10730.00	90.000	359.342	9384.00	1427.88 N	16.39 W	1427.97
0.00						
10740.00	90.000	359.342	9384.00	1437.88 N	16.51 W	1437.97
0.00						
10750.00	90.000	359.342	9384.00	1447.88 N	16.62 W	1447.97
0.00						
10760.00	90.000	359.342	9384.00	1457.88 N	16.74 W	1457.97
0.00						
10770.00	90.000	359.342	9384.00	1467.88 N	16.85 W	1467.97
0.00						
10780.00	90.000	359.342	9384.00	1477.87 N	16.97 W	1477.97
0.00						
10790.00	90.000	359.342	9384.00	1487.87 N	17.08 W	1487.97
0.00						
10800.00	90.000	359.342	9384.00	1497.87 N	17.20 W	1497.97
0.00						
10810.00	90.000	359.342	9384.00	1507.87 N	17.31 W	1507.97
0.00						
10820.00	90.000	359.342	9384.00	1517.87 N	17.43 W	1517.97
0.00						
10830.00	90.000	359.342	9384.00	1527.87 N	17.54 W	1527.97
0.00						
10840.00	90.000	359.342	9384.00	1537.87 N	17.66 W	1537.97
0.00						
10850.00	90.000	359.342	9384.00	1547.87 N	17.77 W	1547.97
0.00						
10860.00	90.000	359.342	9384.00	1557.87 N	17.89 W	1557.97
0.00						
10870.00	90.000	359.342	9384.00	1567.87 N	18.00 W	1567.97
0.00						
10880.00	90.000	359.342	9384.00	1577.87 N	18.12 W	1577.97
0.00						
10890.00	90.000	359.342	9384.00	1587.87 N	18.23 W	1587.97
0.00						
10900.00	90.000	359.342	9384.00	1597.87 N	18.35 W	1597.97
0.00						
10910.00	90.000	359.342	9384.00	1607.87 N	18.46 W	1607.97
0.00						
10920.00	90.000	359.342	9384.00	1617.87 N	18.57 W	1617.97
0.00						
10930.00	90.000	359.342	9384.00	1627.86 N	18.69 W	1627.97
0.00						
10940.00	90.000	359.342	9384.00	1637.86 N	18.80 W	1637.97
0.00						
10950.00	90.000	359.342	9384.00	1647.86 N	18.92 W	1647.97
0.00						
10960.00	90.000	359.342	9384.00	1657.86 N	19.03 W	1657.97
0.00						
10970.00	90.000	359.342	9384.00	1667.86 N	19.15 W	1667.97
0.00						
10980.00	90.000	359.342	9384.00	1677.86 N	19.26 W	1677.97
0.00						
10990.00	90.000	359.342	9384.00	1687.86 N	19.38 W	1687.97
0.00						
11000.00	90.000	359.342	9384.00	1697.86 N	19.49 W	1697.97
0.00						
11010.00	90.000	359.342	9384.00	1707.86 N	19.61 W	1707.97
0.00						
11020.00	90.000	359.342	9384.00	1717.86 N	19.72 W	1717.97

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0.00						
11030.00	90.000	359.342	9384.00	1727.86 N	19.84 W	1727.97
0.00						
11040.00	90.000	359.342	9384.00	1737.86 N	19.95 W	1737.97
0.00						
11050.00	90.000	359.342	9384.00	1747.86 N	20.07 W	1747.97
0.00						
11060.00	90.000	359.342	9384.00	1757.86 N	20.18 W	1757.97
0.00						
11070.00	90.000	359.342	9384.00	1767.86 N	20.30 W	1767.97
0.00						
11080.00	90.000	359.342	9384.00	1777.85 N	20.41 W	1777.97
0.00						
11090.00	90.000	359.342	9384.00	1787.85 N	20.53 W	1787.97
0.00						
11100.00	90.000	359.342	9384.00	1797.85 N	20.64 W	1797.97
0.00						
11110.00	90.000	359.342	9384.00	1807.85 N	20.76 W	1807.97
0.00						
11120.00	90.000	359.342	9384.00	1817.85 N	20.87 W	1817.97
0.00						
11130.00	90.000	359.342	9384.00	1827.85 N	20.99 W	1827.97
0.00						
11140.00	90.000	359.342	9384.00	1837.85 N	21.10 W	1837.97
0.00						
11150.00	90.000	359.342	9384.00	1847.85 N	21.22 W	1847.97
0.00						
11160.00	90.000	359.342	9384.00	1857.85 N	21.33 W	1857.97
0.00						
11170.00	90.000	359.342	9384.00	1867.85 N	21.44 W	1867.97
0.00						
11180.00	90.000	359.342	9384.00	1877.85 N	21.56 W	1877.97
0.00						
11182.03	90.000	359.342	9384.00	1879.88 N	21.58 W	1880.00
0.00						

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to WELL. Northings and Eastings are relative to well.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Site and calculated along an Azimuth of 359.342° (Grid).

Coordinate System is North American Datum 1983 US State Plane 1983, New Mexico Eastern Zone.
Central meridian is -104.333°.
Grid Convergence at Surface is 0.649°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 11182.03ft., the Bottom Hole Displacement is 1880.00ft., in the Direction of 359.342° (Grid).