

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-41858
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Cimarex Energy Co.		6. State Oil & Gas Lease No.
3. Address of Operator 600 N. MARIENFELD STREET, STE 600, MIDLAND, TX 79701		7. Lease Name or Unit Agreement Name TEAL 12 STATE COM
4. Well Location Unit Letter <u>N</u> : <u>330</u> feet from the <u>South</u> line and <u>1980</u> feet from the <u>West</u> line Section <u>12</u> Township <u>19S</u> Range <u>34E</u> NMPM Lea County		8. Well Number 2H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3955' GR		9. OGRID Number 215099
		10. Pool name or Wildcat SCHARB; BONE SPRING

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: Completion ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Cimarex Energy respectfully requests approval to change the casing and cement to the above well as follows:

AUG 06 2014

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Est TOC
FROM:						
Int	12.25	9.625	40	5450	1238	0
Prod	8.75	5.5	17	15173	1878	0
TO:						
Int	12.25	9.625	36	3700	1050	0
Prod	8.75	5.5	17	15172	1540	3100

RECEIVED

Surface casing will remain as approved on the APD. This revised casing plan is similar to the Quail 11 State wells which offset this well. A revised directional plan is attached.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Paula Brunson TITLE Regulatory Analyst DATE 7/24/2014

Type or print name Paula Brunson E-mail address: pbrunson@cimarex.com PHONE: 432-571-7848
For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 08/06/14
Conditions of Approval (if any):

AUG 06 2014



Noram 26

Cimarex

Rev1.5

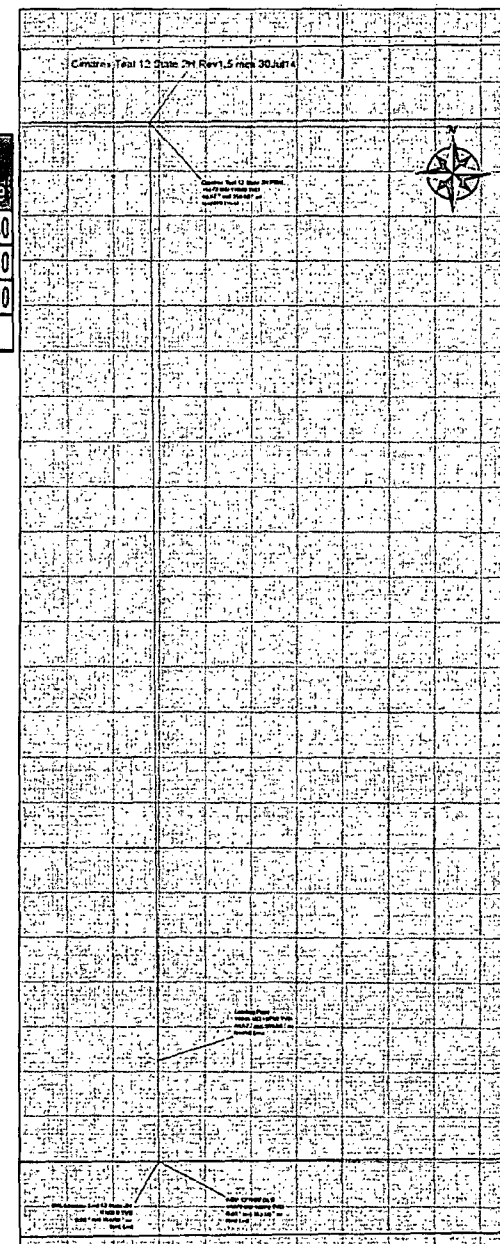
PATHFINDER
A Schlumberger Company

EW (ft) Scale = 1:70 (ft)

Borehole:	Well:	Field:	Structure:
Original Borehole	Teal 12 State 2H	Lea County, NM	Noram 26

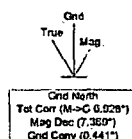
Gravity & Magnetic Parameters	Surface Location	Horizontal
Model: 900M 2014 Dip: 88.52° Date: 20-Jul-2014	RADW Bear House State Plaza, Carlsbad, NM, US Post	Teal 12 State
Magn: 7.357° FE: 4823.66m-T Gravity FC: 980.21m/s (R20000 Data)	Lat: N 32 40 4.27 Long: W 103 30 47.43	YTD Ref: RGN(2000) above MCL
	Mag Dec: 7.357° Calc: 70294.5710 Scale Fact: 0.9998764	Plan: Rev1.5 mcl 30Jul14

-600 -400 -200 0 200 400 600 800 1000 1200 1400

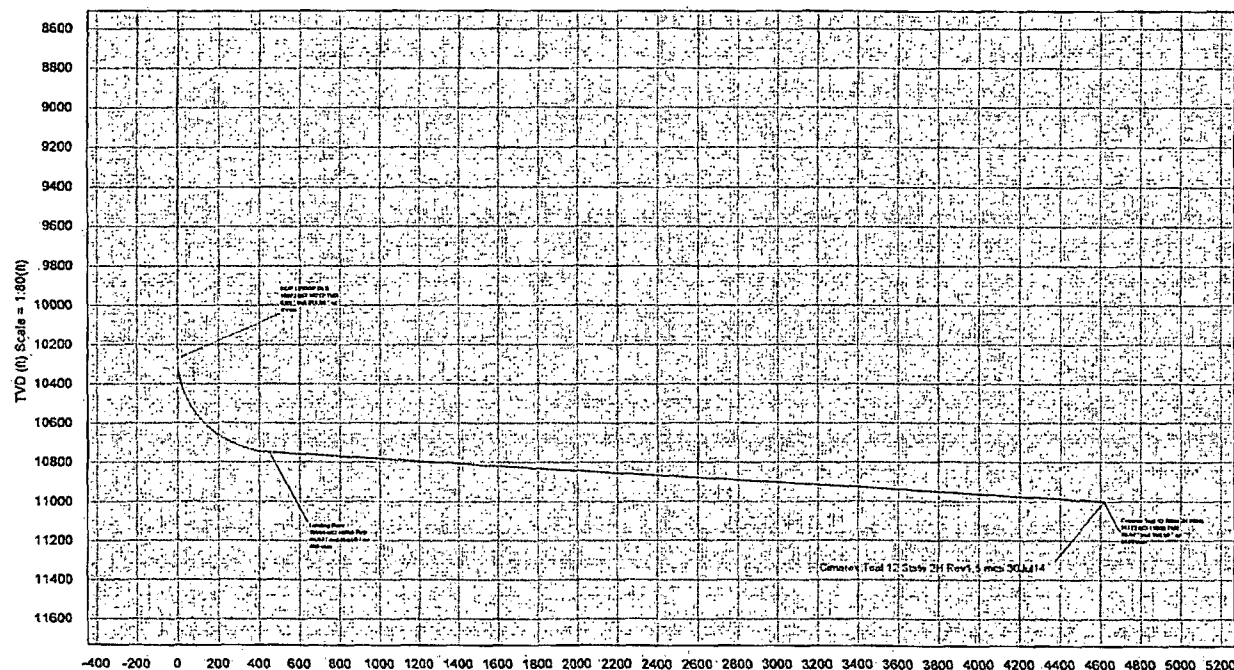


Critical Points													
Comments	Survey MD	Inc	Azim	TVD	SSTVD	VS	NS	EW	Longitude	Latitude	Easting	Northing	DLS Tool Face
SHL	0.00	0.00	359.50	0.00	-3980.00	0.00	0.00	0.00	W 103 30 57.432	N 32 40 6.673	792863.50	607907.20	359.50
KOP 12°/100° DLS	10272.00	0.00	359.50	10272.00	6292.00	0.00	0.00	0.00	W 103 30 57.432	N 32 40 6.673	792863.50	607907.20	0.00 359.50
Landing Point	10995.52	86.57	359.50	10750.00	6770.00	450.20	450.18	-3.97	W 103 30 57.437	N 32 40 11.127	792859.53	608357.37	11.97 0.00
PBHL	15172.48	86.57	359.50	11000.00	7020.00	4619.67	4619.49	-40.70	W 103 30 57.492	N 32 40 52.382	792822.80	612526.60	0.00

Cimarex Teal 12 State 2H Rev1.5 mcl 30Jul14
Cimarex Teal 12 State 2H PBHL
Cimarex Teal 12 State 2H - Landing
Cimarex Teal 12 State 2H - 1000 mcl



CONTROLLED	
Drawn by	_____
Checked by	_____
Reviewed by	_____
Date	_____
Project	_____
Sheet	_____
Scale	_____
Author	_____
Editor	_____
Checker	_____
Reviewer	_____
Approver	_____



Vertical Section (ft) Azim = 359.5° Scale = 1:80 (ft) Origin = 0N-S, 0E-W



Cimarex Teal 12 State 2H Rev1.5 mcs 30Jul14 Proposal Geodetic Report

(Non-Def Plan)

Report Date:	July 30, 2014 - 03:06 PM	Survey / DLS Computation:	Minimum Curvature / Lubinski
Client:	Cimarex	Vertical Section Azimuth:	359.495 ° (Grid North)
Field:	NM Lea County (NAD 83)	Vertical Section Origin:	0.000 ft 0.000 ft
Structure / Slot:	Cimarex Teal 12 State 2H / Cimarex Teal 12 State 2H	TVD Reference Datum:	RKB
Well:	Cimarex Teal 12 State 2H	TVD Reference Elevation:	3980.000 ft above MSL
Borehole:	Original Borehole	Seabed / Ground Elevation:	3955.000 ft above MSL
UWI / API:	Noram 26 / Unknown	Magnetic Declination:	7.369 °
Survey Name:	Cimarex Teal 12 State 2H Rev1.5 mcs 30Jul14	Total Gravity Field Strength:	998.7155 mgn (9.80665 Based)
Survey Date:	November 06, 2013	Gravity Model:	DOX
Tort / AHD / DOI / ERD Ratio:	86.569 ° / 4619.674 ft / 5.742 / 0.420	Total Magnetic Field Strength:	48539.044 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Magnetic Dip Angle:	60.526 °
Location Lat / Long:	N 32° 40' 6.67289", W 103° 30' 57.43165"	Declination Date:	July 29, 2014
Location Grid N/E Y/X:	N 607907.200 ftUS, E 792863.500 ftUS	Magnetic Declination Model:	8GGM 2014
CRS Grid Convergence Angle:	0.4412 °	North Reference:	Grid North
Grid Scale Factor:	0.99998154	Grid Convergence Used:	0.4412 °
Version / Patch:	2.7.1043.0	Total Corr Mag North→Grid North:	6.9277 °
		Local Coord Referenced To:	Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Closure Azimuth (°)	Closure (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
SHL Cimarex Teal 12 State 2H	0.00	0.00	359.50	0.00	-3980.00	0.00	0.00	0.00	N/A	0.00	0.00	607907.20	792863.50	N 32 40 6.67	W 103 30 57.43
KOP 12°11'00" DLS	10272.00	0.00	359.50	10272.00	6292.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67	W 103 30 57.43
Landing Point	10995.52	86.57	359.50	10750.00	6770.00	450.20	450.18	-3.97	11.97	359.50	450.20	608357.37	792859.53	N 32 40 11.13	W 103 30 57.44
Cimarex Teal 12 State 2H PBHL	15172.48	86.57	359.50	11000.00	7020.00	4619.67	4619.49	-40.70	0.00	359.50	4619.67	612526.60	792822.80	N 32 40 52.38	W 103 30 57.49

Survey Type: Non-Def Plan

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

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	25.000	1/100.000	30.000	30.000	SLB_MWD-POCR-Depth Only	Original Borehole / Cimarex Teal 12 State 2H Rev1.5 mcs 30Jul14
	1	25.000	10273.000	1/100.000	30.000	30.000	SLB_MWD-POCR	Original Borehole / Cimarex Teal 12 State 2H Rev1.5 mcs 30Jul14
	1	10273.000	15172.477	1/100.000	30.000	30.000	SLB_MWD-STD	Original Borehole / Cimarex Teal 12 State 2H Rev1.5 mcs 30Jul14



Cimarex Teal 12 State 2H Rev1.5 mcs 30Jul14 Proposal Geodetic Report



(Non-Det Plan)

Report Date: July 30, 2014 - 03:07 PM
Client: Cimarex
Field: NM Los County (NAD 83)
Structure / Slot: Cimarex Teal 12 State 2H / Cimarex Teal 12 State 2H
Well: Cimarex Teal 12 State 2H
Borehole: Original Borehole
URN / API: Norcan 26 / Unknown
Survey Date: Cimarex Teal 12 State 2H Rev1.5 mcs 30Jul14
Tort / AHD / DDI / ERD Ratio: November 08, 2013
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Foot
Location Lat / Long: N 32° 40' 6.67299" W 103° 30' 57.4165"
Location Grid NE V.X.: N 607907.200 NUS, E 792863.500 NUS
Grid Scale Factor: 0.4412
Grid Scale Factor: 0.99998154
Version / Patch: 2.7.1043.0

Survey / DLS Computation: Minimum Curvature / Least Squares
Vertical Section Azimuth: 359.455° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3590.000 ft above MSL
Seabed / Ground Elevation: 3555.000 ft above MSL
Magnetic Declination: 7.350°
Total Gravity Field Strength: 998.775 mGal (9.80665 mGal)
Gravity Method: DDX
Total Magnetic Field Strength: 48539.044 nT
Magnetic Dip Angle: 60.326°
Declination Date: July 29, 2014
Magnetic Declination Model: BGM 2014
North Reference: BGM 2014
Grid Convergence Used: D4412
Total Corr Mag North-Grid North: 6.9277°
Local Geoid Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Adm Grd (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft)	Closure Azimuth (°)	Closure (ft)	Northing (NUS)	Easting (NUS)	Latitude (N 32 40 6.67 W 103 30 57.43)	Longitude (E/W 103 30 57.43)
SHL Cimarex Teal 12 State 2H	0.00	0.00	359.50	0.00	-3590.00	0.00	0.00	0.00	N/A	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	100.00	0.00	359.50	100.00	-3690.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	200.00	0.00	359.50	200.00	-3790.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	300.00	0.00	359.50	300.00	-3890.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	400.00	0.00	359.50	400.00	-3990.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	500.00	0.00	359.50	500.00	-4090.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	600.00	0.00	359.50	600.00	-4190.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	700.00	0.00	359.50	700.00	-4290.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	800.00	0.00	359.50	800.00	-4390.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	900.00	0.00	359.50	900.00	-4490.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	1000.00	0.00	359.50	1000.00	-4590.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	1100.00	0.00	359.50	1100.00	-4690.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	1200.00	0.00	359.50	1200.00	-4790.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	1300.00	0.00	359.50	1300.00	-4890.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	1400.00	0.00	359.50	1400.00	-4990.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	1500.00	0.00	359.50	1500.00	-5090.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	1600.00	0.00	359.50	1600.00	-5190.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	1700.00	0.00	359.50	1700.00	-5290.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	1800.00	0.00	359.50	1800.00	-5390.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	1900.00	0.00	359.50	1900.00	-5490.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	2000.00	0.00	359.50	2000.00	-5590.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	2100.00	0.00	359.50	2100.00	-5690.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	2200.00	0.00	359.50	2200.00	-5790.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	2300.00	0.00	359.50	2300.00	-5890.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	2400.00	0.00	359.50	2400.00	-5990.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	2500.00	0.00	359.50	2500.00	-6090.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	2600.00	0.00	359.50	2600.00	-6190.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	2700.00	0.00	359.50	2700.00	-6290.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	2800.00	0.00	359.50	2800.00	-6390.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	2900.00	0.00	359.50	2900.00	-6490.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	3000.00	0.00	359.50	3000.00	-6590.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	3100.00	0.00	359.50	3100.00	-6690.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	3200.00	0.00	359.50	3200.00	-6790.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	3300.00	0.00	359.50	3300.00	-6890.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	3400.00	0.00	359.50	3400.00	-6990.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	3500.00	0.00	359.50	3500.00	-7090.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	3600.00	0.00	359.50	3600.00	-7190.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	3700.00	0.00	359.50	3700.00	-7290.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	3800.00	0.00	359.50	3800.00	-7390.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	3900.00	0.00	359.50	3900.00	-7490.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	4000.00	0.00	359.50	4000.00	-7590.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	4100.00	0.00	359.50	4100.00	-7690.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	
	4200.00	0.00	359.50	4200.00	-7790.00	0.00	0.00	0.00	0.00	0.00	0.00	607907.20	792863.50	N 32 40 6.67 W 103 30 57.43	

Comments	MD (ft)	bed (°)	Azim Grid (°)	TYD (ft)	TVDS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft)	Closure (ft)	Closure (ft)	Northing (ft)	Easting (ft)	Latitude (N/S)	Longitude (E/W)
Landing Point	10900.00	75.14	359.50	10734.85	6754.85	356.06	356.04	-3.14	11.97	359.50	356.06	608654.23	792846.06	N 32.40 10.20	W 103.30 57.46
	10995.00	86.57	359.50	10750.00	6770.00	450.18	450.18	-3.87	11.97	359.50	450.20	608657.37	792850.53	N 32.40 11.13	W 103.30 57.46
	11000.00	86.57	359.50	10760.00	6776.26	454.89	454.89	-4.01	0.00	359.50	454.89	608661.85	792854.49	N 32.40 11.17	W 103.30 57.46
	11005.00	86.57	359.50	10766.26	6776.26	554.50	554.50	-4.89	0.00	359.50	554.50	608664.61	792858.61	N 32.40 12.16	W 103.30 57.46
	11010.00	86.57	359.50	10772.24	6782.24	654.32	654.32	-5.76	0.00	359.50	654.32	608667.49	792862.74	N 32.40 13.15	W 103.30 57.46
	11015.00	86.57	359.50	10778.23	6788.23	754.11	754.11	-6.64	0.00	359.50	754.11	608671.29	792866.86	N 32.40 14.13	W 103.30 57.46
	11020.00	86.57	359.50	10784.21	6794.21	853.96	853.96	-7.52	0.00	359.50	853.96	608675.18	792870.98	N 32.40 15.12	W 103.30 57.46
	11025.00	86.57	359.50	10790.20	6800.20	953.74	953.74	-8.40	0.00	359.50	953.74	608679.02	792875.10	N 32.40 16.11	W 103.30 57.46
	11030.00	86.57	359.50	10796.18	6806.18	1053.60	1053.60	-9.28	0.00	359.50	1053.60	608682.86	792879.22	N 32.40 17.10	W 103.30 57.46
	11035.00	86.57	359.50	10802.17	6812.17	1153.42	1153.42	-10.16	0.00	359.50	1153.42	608686.70	792883.34	N 32.40 18.09	W 103.30 57.46
	11040.00	86.57	359.50	10808.15	6818.15	1253.24	1253.19	-11.04	0.00	359.50	1253.24	608690.54	792887.46	N 32.40 19.07	W 103.30 57.46
	11045.00	86.57	359.50	10814.14	6824.14	1353.06	1353.01	-11.92	0.00	359.50	1353.06	608694.38	792891.58	N 32.40 20.06	W 103.30 57.46
	11050.00	86.57	359.50	10820.12	6830.12	1452.88	1452.83	-12.80	0.00	359.50	1452.88	608698.22	792895.70	N 32.40 21.05	W 103.30 57.46
	11055.00	86.57	359.50	10826.11	6836.11	1552.70	1552.64	-13.68	0.00	359.50	1552.70	608702.06	792899.82	N 32.40 22.04	W 103.30 57.46
	11060.00	86.57	359.50	10832.09	6842.09	1652.53	1652.46	-14.56	0.00	359.50	1652.53	608705.90	792903.94	N 32.40 23.02	W 103.30 57.46
	11065.00	86.57	359.50	10838.08	6848.08	1752.35	1752.28	-15.44	0.00	359.50	1752.35	608709.74	792908.06	N 32.40 24.01	W 103.30 57.46
	11070.00	86.57	359.50	10844.06	6854.06	1852.17	1852.10	-16.32	0.00	359.50	1852.17	608713.58	792912.18	N 32.40 25.00	W 103.30 57.46
	11075.00	86.57	359.50	10850.05	6860.05	1951.99	1951.91	-17.20	0.00	359.50	1951.99	608717.42	792916.30	N 32.40 26.00	W 103.30 57.46
	11080.00	86.57	359.50	10856.03	6866.03	2051.81	2051.73	-18.08	0.00	359.50	2051.81	608721.26	792920.42	N 32.40 27.00	W 103.30 57.46
	11085.00	86.57	359.50	10862.02	6872.02	2151.63	2151.55	-18.96	0.00	359.50	2151.63	608725.10	792924.54	N 32.40 28.00	W 103.30 57.46
	11090.00	86.57	359.50	10868.00	6878.00	2251.45	2251.36	-19.84	0.00	359.50	2251.45	610158.32	792928.66	N 32.40 29.00	W 103.30 57.46
	11095.00	86.57	359.50	10874.00	6884.00	2351.27	2351.18	-20.72	0.00	359.50	2351.27	610162.16	792932.78	N 32.40 30.00	W 103.30 57.46
	11100.00	86.57	359.50	10880.00	6890.00	2451.09	2451.00	-21.60	0.00	359.50	2451.09	610166.00	792936.90	N 32.40 31.00	W 103.30 57.46
	11105.00	86.57	359.50	10886.00	6896.00	2550.91	2550.81	-22.48	0.00	359.50	2550.91	610169.84	792941.02	N 32.40 32.00	W 103.30 57.46
	11110.00	86.57	359.50	10892.00	6902.00	2650.73	2650.63	-23.36	0.00	359.50	2650.73	610173.68	792945.14	N 32.40 33.00	W 103.30 57.46
	11115.00	86.57	359.50	10898.00	6908.00	2750.55	2750.45	-24.24	0.00	359.50	2750.55	610177.52	792949.26	N 32.40 34.00	W 103.30 57.46
	11120.00	86.57	359.50	10904.00	6914.00	2850.37	2850.26	-25.12	0.00	359.50	2850.37	610181.36	792953.38	N 32.40 35.00	W 103.30 57.46
	11125.00	86.57	359.50	10910.00	6920.00	2950.19	2950.08	-26.00	0.00	359.50	2950.19	610185.20	792957.50	N 32.40 36.00	W 103.30 57.46
	11130.00	86.57	359.50	10916.00	6926.00	3050.01	3050.00	-26.88	0.00	359.50	3050.01	610189.04	792961.62	N 32.40 37.00	W 103.30 57.46
	11135.00	86.57	359.50	10922.00	6932.00	3149.84	3149.71	-27.76	0.00	359.50	3149.84	610192.88	792965.74	N 32.40 38.00	W 103.30 57.46
	11140.00	86.57	359.50	10928.00	6938.00	3249.66	3249.53	-28.64	0.00	359.50	3249.66	610196.72	792969.86	N 32.40 39.00	W 103.30 57.46
	11145.00	86.57	359.50	10934.00	6944.00	3349.48	3349.35	-29.52	0.00	359.50	3349.48	610200.56	792973.98	N 32.40 40.00	W 103.30 57.46
	11150.00	86.57	359.50	10940.00	6950.00	3449.30	3449.16	-30.40	0.00	359.50	3449.30	610204.40	792978.10	N 32.40 41.00	W 103.30 57.46
	11155.00	86.57	359.50	10946.00	6956.00	3549.12	3549.00	-31.28	0.00	359.50	3549.12	610208.24	792982.22	N 32.40 42.00	W 103.30 57.46
	11160.00	86.57	359.50	10952.00	6962.00	3648.94	3648.80	-32.16	0.00	359.50	3648.94	610212.08	792986.34	N 32.40 43.00	W 103.30 57.46
	11165.00	86.57	359.50	10958.00	6968.00	3748.76	3748.62	-33.04	0.00	359.50	3748.76	610215.92	792990.46	N 32.40 44.00	W 103.30 57.46
	11170.00	86.57	359.50	10964.00	6974.00	3848.58	3848.43	-33.92	0.00	359.50	3848.58	610219.76	792994.58	N 32.40 45.00	W 103.30 57.46
	11175.00	86.57	359.50	10970.00	6980.00	3948.40	3948.25	-34.80	0.00	359.50	3948.40	610223.60	792998.70	N 32.40 46.00	W 103.30 57.46
	11180.00	86.57	359.50	10976.00	6986.00	4048.22	4048.07	-35.68	0.00	359.50	4048.22	610227.44	793002.82	N 32.40 47.00	W 103.30 57.46
	11185.00	86.57	359.50	10982.00	6992.00	4148.04	4147.88	-36.56	0.00	359.50	4148.04	610231.28	793006.94	N 32.40 48.00	W 103.30 57.46
	11190.00	86.57	359.50	10988.00	6998.00	4247.86	4247.70	-37.44	0.00	359.50	4247.86	610235.12	793011.06	N 32.40 49.00	W 103.30 57.46
	11195.00	86.57	359.50	10994.00	7004.00	4347.68	4347.52	-38.32	0.00	359.50	4347.68	610238.96	793015.18	N 32.40 50.00	W 103.30 57.46
	11200.00	86.57	359.50	10999.00	7009.00	4447.50	4447.33	-39.20	0.00	359.50	4447.50	610242.80	793019.30	N 32.40 51.00	W 103.30 57.46
	11205.00	86.57	359.50	11005.00	7015.00	4547.33	4547.15	-40.08	0.00	359.50	4547.33	610246.64	793023.42	N 32.40 52.00	W 103.30 57.46
	11210.00	86.57	359.50	11011.00	7021.00	4647.15	4646.97	-40.96	0.00	359.50	4647.15	610250.48	793027.54	N 32.40 53.00	W 103.30 57.46
	11215.00	86.57	359.50	11017.00	7027.00	4746.97	4746.79	-41.84	0.00	359.50	4746.97	610254.32	793031.66	N 32.40 54.00	W 103.30 57.46
	11220.00	86.57	359.50	11023.00	7033.00	4846.79	4846.61	-42.72	0.00	359.50	4846.79	610258.16	793035.78	N 32.40 55.00	W 103.30 57.46
	11225.00	86.57	359.50	11029.00	7039.00	4946.61	4946.43	-43.60	0.00	359.50	4946.61	610262.00	793039.90	N 32.40 56.00	W 103.30 57.46
	11230.00	86.57	359.50	11035.00	7045.00	5046.43	5046.25	-44.48	0.00	359.50	5046.43	610265.84	793044.02	N 32.40 57.00	W 103.30 57.46
	11235.00	86.57	359.50	11041.00	7051.00	5146.25	5146.07	-45.36	0.00	359.50	5146.25	610269.68	793048.14	N 32.40 58.00	W 103.30 57.46
	11240.00	86.57	359.50	11047.00	7057.00	5246.07	5245.89	-46.24	0.00	359.50	5246.07	610273.52	793052.26	N 32.40 59.00	W 103.30 57.46
	11245.00	86.57	359.50	11053.00	7063.00	5345.89	5345.71	-47.12	0.00	359.50	5345.89	610277.36	793056.38	N 32.40 60.00	W 103.30 57.46
	11250.00	86.57	359.50	11059.00	7069.00	5445.71	5445.53	-48.00	0.00	359.50	5445.71	610281.20	793060.50	N 32.40 61.00	W 103.30 57.46
	11255.00	86.57	359.50	11065.00	7075.00	5545.53	5545.35	-48.88	0.00	359.50	5545.53	610285.04	793064.62	N 32.40 62.00	W 103.30 57.46
	11260.00	86.57	359.50	11071.00	7081.00	5645.35	5645.17	-49.76	0.00	359.50	5645.35	610288.88	793068.74	N 32.40 63.00	W 103.30 57.46
	11265.00	86.57	359.50	11077.00	7087.00	5745.17	5745.00	-50.64	0.00	359.50	5745.17	610292.72	793072.86	N 32.40 64.00	W 103.30 57.46
	11270.00	86.57	359.50	11083.00	7093.00	5845.00	5844.82	-51.52	0.00	359.50	5845.00	610296.56	793076.98	N 32.40 65.00	W 103.30 57.46
	11275.00	86.57	359.50	11089.00	7099.00	5944.82	5944.64	-52.40	0.00	359.50	5944.82	610300.40	793081.10	N 32.40 66.00	W 103.30 57.46
	11280.00	86.57	359.50	11095.00	7105.00	6044.64	6044.46	-53.28	0.00	359.50	6044.64	610304.24	793085.22	N 32.40 67.00	W 103.30 57.46
	11285.00	86.57	359.50	11101.00	7111.00	6144.46	6144.28	-54.16	0.00	359.50	6144.46	610308.08	793089.34	N 32.40 68.00	W 103.30 57.46
	11290.00	86.57	359.50	11107.00	7117.00	6244.28	6244.10	-55.04	0.00	359.50	6244.28	610311.92	793093.46	N 32.40 69.00	W 103.30 57.46
	11295.00	86.57	359.50	11113.00	7123.00	6344.10</									