

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Adrienne Sandoval, Division Director
Oil Conservation Division



Notice of C-104 Denial and Request for Information

OCD denies your C-104 – *Request for Allowable and Authorization to Transport* because it is incomplete or conflicts with other information provided to OCD.

The sale or transport of product without a C-104 approved by OCD violates the Oil and Gas Act and the implementing rules, including 19.15.7.15 and 19.15.16.19 NMAC.

To avoid an enforcement action, you must submit the indicated information no later than 30 days after receipt of this notice.

Test Allowable, New Well and Recompleted Well

*Amend C-104 RT
30-015-44006*

- ☐ C-103 (or BLM equivalent) for all casing strings
 - ☐ Spud Notice
 - ☐ Surface Casing
 - ☐ Intermediate Casing (if applicable)
 - ☐ Additional Intermediate Casing (if applicable)
 - ☐ Production Casing or Liner

☐ Applicable Order (NSL, NSP, Other _____)

☐ Deviation Survey for Vertical Wells

☒ Directional Survey

☐ C-102 (As-Drilled Plat for Horizontal Well)

COMPLETE Dir. Survey requested.

New Well and Recompleted Well Only

- ☐ C-103 Completion Sundry (or BLM equivalent)
- ☐ C-105 Completion Report (or BLM equivalent)
- ☐ All Logs Run on Well

If you have any questions please contact the local OCD District Office

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

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

DEC 04 2019

Form C-104
Revised August 1, 2011

DISTRICT IV-ARTESIA O.C.D.

Submit one copy to appropriate District Office



☒ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address COG Operating LLC 2208 W. Main Street Artesia, NM 88210		² OGRID Number 229137
		³ Reason for Filing Code/ Effective Date RT
API Number 30-015-44006	⁵ Pool Name Purple Sage; Wolfcamp	⁶ Pool Code 98220
⁷ Property Code 38521	⁸ Property Name Myox 21 State Com	⁹ Well Number 33H

II. ¹⁰ Surface Location

Ul or lot no. N	Section 21	Township 25S	Range 28E	Lot Idn	Feet from the 220	North/South Line South	Feet from the 1679	East/West line West	County Eddy
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¹¹ Bottom Hole Location

Ul or lot no. C	Section 16	Township 25S	Range 28E	Lot Idn	Feet from the 201	North/South Line North	Feet from the 1465	East/West line West	County Eddy
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	ACC	O
298751	Energy Transfer 2001 Bryan Street, Ste 3700 Dallas, TX 75201	G
278421	Holly Refining and Marketing PO Box 159 Artesia, NM 88210	O

IV. Well Completion Data

²¹ Spud Date 4/28/19	²² Ready Date 4/28/19	²³ TD 19,665'	²⁴ PBSD 19,571'	²⁵ Perforations 9,907-19,595'	²⁶ DHC, MC
²⁷ Hole Size 17 1/2"	²⁸ Casing & Tubing Size 13 3/8"	²⁹ Depth Set 610'	³⁰ Sacks Cement 670		
12 1/4"	9 7/8"	8,815'	2140		
8 3/4"	5.5"	19,652'	4260		
	2 7/8"	8,984'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure #	³⁶ Csg. Pressure #
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Amanda Avery

Printed name:

Amanda Avery

Title:

Regulatory Analyst

E-mail Address:

aavery@concho.com

Date:

11/27/19

Phone:

575-748-6962

OIL CONSERVATION DIVISION

Approved:

DENIED

Title:

See Attached Cover Sheet

Approval:

* A Certified Directional Survey must be submitted as required by NMOCD Rule 19.15.16.14 NMAG ASAP

RECEIVED

DEC 04 2019

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

DISTRICT ARTESIA O.C.D.

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-44006		Pool Code 98220	Pool Name Purple Sage; Wolfcamp
Property Code 38521	Property Name MYOX 21 STATE COM		Well Number 33H
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 2976.9'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	21	25-S	28-E		220	SOUTH	1679	WEST	EDDY

Bottom Hole Location If Different From Surface

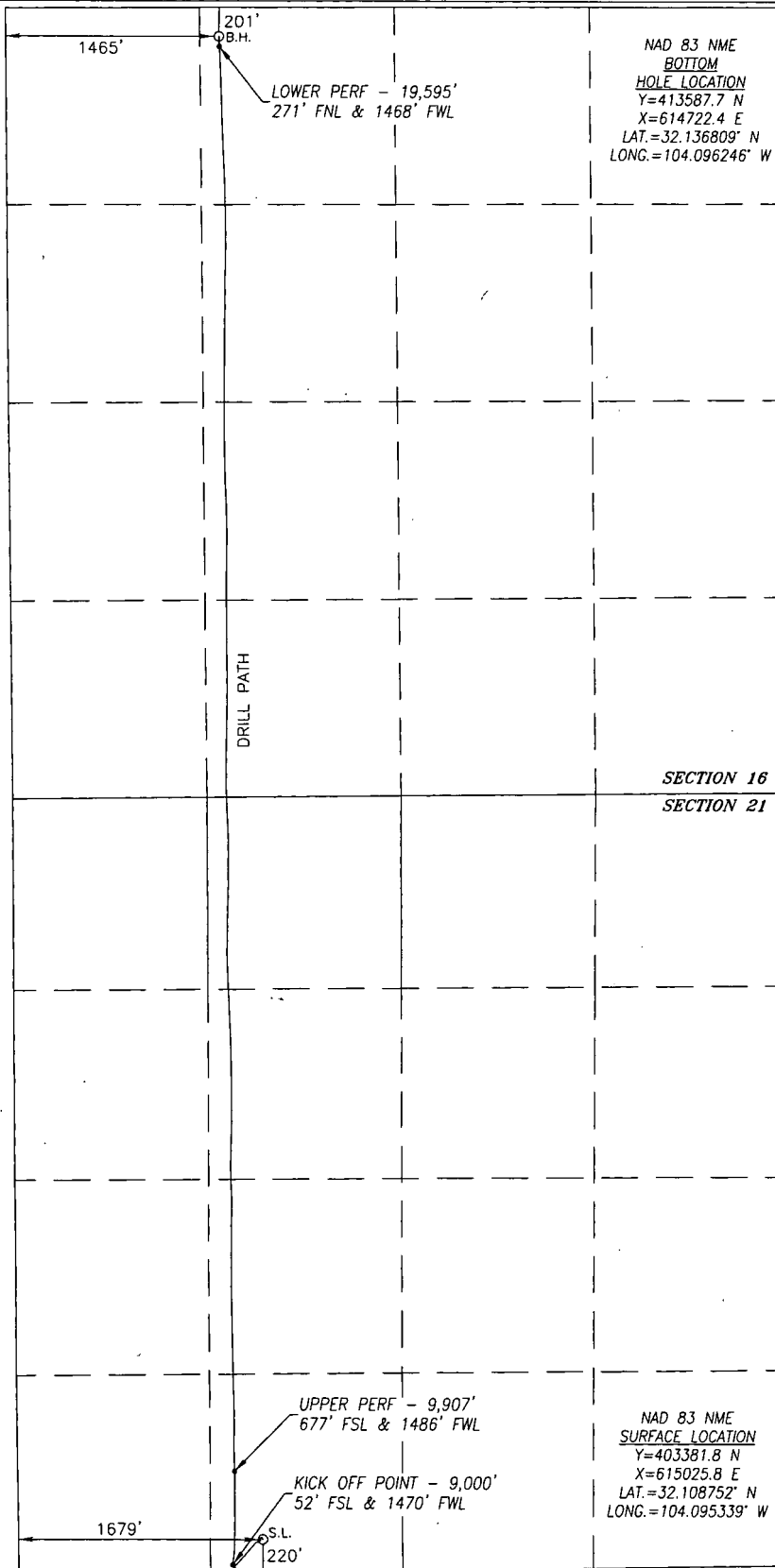
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	16	25-S	28-E		201	NORTH	1465	WEST	EDDY

Dedicated Acres 640	Joint or Infill	Consolidation Code	Order No.
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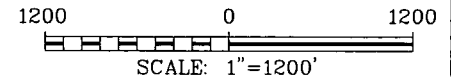
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2

Property Code 38521	Property Name MYOX 21 STATE COM	Well Number 33H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2976.9'



SURFACE INFO AND BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE MYOX 21 STATE COM #33H SUPPLIED TO HARCROW SURVEYING, LLC ON NOVEMBER 11, 2019



OPERATOR CERTIFICATION

I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Amanda Avery 11/27/19
Signature Date

Amanda Avery
Printed Name

aaavery@concho.com
E-mail Address

SURVEYOR CERTIFICATION

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.

JAN. 8, 2019/JULY 23, 2019
Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 11/19/19
Certificate No. CHAD HARCROW 17777

RECEIVED

Intent ☐ As Drilled ☒ X

DEC 04 2019

API #
30-015-44006

DISTRICT/ARTESIAO.C.D.

Operator Name: COG OPERATING, LLC	Property Name: MYOX 21 STATE COM	Well Number 33H
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Kick Off Point (KOP)

UL N	Section 21	Township 25S	Range 28E	Lot	Feet 52	From N/S SOUTH	Feet 1470	From E/W WEST	County EDDY
Latitude 32.108285					Longitude -104.096009			NAD 83	

First Take Point (FTP)

UL N	Section 21	Township 25S	Range 28E	Lot	Feet 677	From N/S SOUTH	Feet 1486	From E/W WEST	County EDDY
Latitude 32.110005					Longitude -104.095971			NAD 83	

Last Take Point (LTP)

UL C	Section 16	Township 25S	Range 28E	Lot	Feet 271	From N/S NORTH	Feet 1468	From E/W WEST	County EDDY
Latitude 32.136617					Longitude -104.096237			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit?

No

Is this well an infill well?

Yes

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #
30-015-45373

Operator Name: COG Operating LLC	Property Name: Myox 21 State Com	Well Number 35H
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KZ 06/29/2018

100-443887-100

RECEIVED

COG

DEC 04 2019

SURVEY REPORT

MMOX 21 STATE COM #33H

ENSGN 155

6/30/2019

This survey is correct to the best of my knowledge and is supported by actual field data.

JAKE ELGER

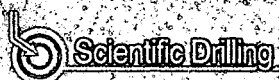
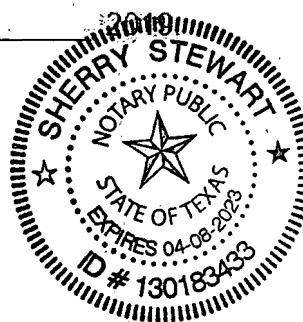
Notarized this date 03 of JULY

Sherry Stewart

Notary Signature

County of Midland

State of Texas



The Ultimate Partner In Wellbore Placement

SURVEY REPORT

MYOX 21 STATE COM #33H

KEEPER GYRO SURVEY

CUSTOMER
PROJECT
FIELD

COG
Myox 21 State Com #33H
Bone Spring

SDI JOB NO.
SDI DISTRICT
SDI KIT/UNIT

OP.019572
Midland

SITE INFORMATION

Site Name Myox 21 State Com #33H
Lat/Long 32.10875° N, 104.09533° W
Northing
Easting

Section
Township
Range

MAP INFORMATION

North Reference Grid North
Grid Correction 0.13 deg
System US State Plane 1927
Datum North American Datum 1927 (Clarke 1866)
Map Zone New Mexico East: 3001



WELL INFORMATION

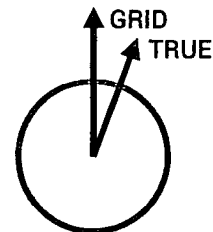
Lat/Long 32.10875° N, 104.09533° W
Northing
Easting
UWI 30-015-44006

DEPTH AND ELEVATION REFERENCE

Ground Level 2976 ft above Mean Sea Level
Reference Datum KB
Reference Height 24 ft above G.L.
Reference Elevation 3000 ft

VERTICAL SECTION REFERENCE

+N/-S 0 ft
+E/-W 0 ft
Proposal Direction 358.41°
Calculation Method Minimum Curvature



LOCAL GRAVITY REFERENCE INFORMATION

Local Gravity 998.532 mG [computed]
True to Grid add 0.13°

WELL NOTES

Keeper Gyro Survey

OPERATORS

J Mendoza

SDI Operator Name (Printed)

SIGNATURE

DATE



© 2019 Scientific Drilling International

6/30/2019 2:48 AM Central Daylight Time

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MD	INC	AZIM	TVD	VS	+N/S	+E/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	0.00	0.00
100.00	0.51	289.22	100.00	0.16	0.15	-0.42	0.51	0.45	289.22
125.00	0.63	294.35	125.00	0.26	0.24	-0.66	0.51	0.70	290.23
150.00	0.64	293.81	150.00	0.38	0.35	-0.91	0.04	0.97	291.33
175.00	0.67	310.73	174.99	0.54	0.51	-1.15	0.78	1.25	293.83
200.00	0.83	318.03	199.99	0.78	0.74	-1.38	0.74	1.56	298.12
225.00	0.83	327.46	224.99	1.07	1.02	-1.60	0.55	1.90	302.67
250.00	0.89	332.50	249.99	1.40	1.35	-1.78	0.38	2.24	307.08
275.00	0.93	328.36	274.98	1.75	1.69	-1.98	0.32	2.61	310.54
300.00	0.91	329.51	299.98	2.10	2.04	-2.19	0.11	2.99	312.97
325.00	0.98	327.26	324.98	2.46	2.39	-2.40	0.29	3.39	314.82
350.00	1.08	328.05	349.97	2.84	2.77	-2.64	0.43	3.83	316.31
375.00	1.20	328.60	374.97	3.27	3.19	-2.91	0.47	4.32	317.69
400.00	1.19	328.79	399.96	3.72	3.64	-3.18	0.03	4.83	318.87
425.00	1.36	327.75	424.96	4.21	4.11	-3.47	0.67	5.38	319.83
450.00	1.57	326.31	449.95	4.75	4.65	-3.82	0.85	6.01	320.59
475.00	1.74	327.96	474.94	5.37	5.25	-4.21	0.70	6.73	321.29
500.00	1.87	325.94	499.93	6.04	5.91	-4.64	0.59	7.51	321.88
525.00	1.85	324.32	524.91	6.71	6.57	-5.10	0.22	8.32	322.20
550.00	1.99	324.20	549.90	7.41	7.25	-5.59	0.54	9.16	322.39
575.00	2.08	323.60	574.88	8.14	7.97	-6.11	0.37	10.04	322.52
600.00	2.13	325.39	599.87	8.90	8.72	-6.64	0.33	10.96	322.68
625.00	2.22	325.56	624.85	9.69	9.50	-7.18	0.36	11.91	322.91
650.00	2.29	326.17	649.83	10.52	10.31	-7.73	0.29	12.89	323.13
675.00	2.29	325.16	674.81	11.36	11.13	-8.30	0.17	13.89	323.31
700.00	2.32	325.11	699.79	12.20	11.96	-8.87	0.10	14.89	323.44
725.00	2.38	326.77	724.77	13.07	12.81	-9.44	0.36	15.91	323.60
750.00	2.30	324.75	749.75	13.93	13.65	-10.02	0.46	16.93	323.73
775.00	1.36	310.47	774.73	14.54	14.26	-10.53	4.14	17.73	323.54
800.00	0.78	262.43	799.73	14.72	14.43	-10.93	4.09	18.10	322.86
825.00	0.93	230.41	824.73	14.58	14.28	-11.25	1.96	18.18	321.75
850.00	0.99	221.71	849.72	14.30	13.99	-11.55	0.64	18.14	320.44

MD	INC	AZIM	TVD	VS	+N/S	+E/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
875.00	1.06	218.89	874.72	13.97	13.64	-11.84	0.35	18.07	319.05
900.00	1.10	218.61	899.71	13.61	13.28	-12.14	0.17	17.99	317.57
925.00	1.16	222.86	924.71	13.24	12.90	-12.46	0.41	17.93	316.00
950.00	1.23	226.16	949.70	12.88	12.53	-12.83	0.38	17.93	314.33
975.00	1.14	227.70	974.70	12.54	12.18	-13.20	0.38	17.96	312.68
1000.00	1.30	225.69	999.69	12.18	11.81	-13.59	0.64	18.00	310.99
1025.00	1.28	230.78	1024.69	11.82	11.44	-14.01	0.46	18.08	309.23
1050.00	1.27	227.46	1049.68	11.47	11.07	-14.43	0.30	18.19	307.50
1075.00	1.31	224.20	1074.67	11.09	10.68	-14.83	0.32	18.28	305.76
1100.00	1.28	226.88	1099.67	10.70	10.28	-15.23	0.27	18.38	304.02
1125.00	1.35	219.36	1124.66	10.30	9.87	-15.63	0.75	18.48	302.27
1150.00	1.28	219.62	1149.66	9.86	9.42	-15.99	0.31	18.56	300.51
1175.00	1.32	220.69	1174.65	9.44	8.99	-16.36	0.21	18.66	298.79
1200.00	1.26	222.21	1199.64	9.03	8.57	-16.73	0.29	18.80	297.12
1225.00	1.23	228.02	1224.64	8.65	8.18	-17.11	0.52	18.97	295.56
1250.00	1.16	229.21	1249.63	8.32	7.84	-17.51	0.32	19.18	294.12
1275.00	1.28	236.89	1274.63	8.01	7.52	-17.93	0.82	19.44	292.75
1300.00	1.25	231.28	1299.62	7.70	7.20	-18.38	0.51	19.74	291.38
1325.00	1.18	231.56	1324.61	7.38	6.86	-18.79	0.29	20.01	290.06
1350.00	1.22	234.62	1349.61	7.08	6.55	-19.21	0.30	20.30	288.83
1375.00	1.15	232.61	1374.60	6.79	6.24	-19.63	0.31	20.60	287.64
1400.00	1.28	236.35	1399.60	6.49	5.94	-20.06	0.60	20.92	286.48
1425.00	1.23	235.19	1424.59	6.20	5.63	-20.51	0.23	21.27	285.35
1450.00	1.24	236.89	1449.59	5.91	5.33	-20.96	0.16	21.63	284.26
1475.00	1.26	234.42	1474.58	5.61	5.02	-21.41	0.22	21.99	283.20
1500.00	1.22	237.65	1499.57	5.32	4.72	-21.86	0.31	22.36	282.18
1525.00	1.33	237.39	1524.57	5.04	4.42	-22.33	0.41	22.76	281.19
1550.00	1.32	237.82	1549.56	4.74	4.11	-22.82	0.05	23.18	280.21
1575.00	1.30	237.39	1574.55	4.45	3.80	-23.30	0.10	23.61	279.28
1600.00	1.29	236.72	1599.55	4.16	3.50	-23.77	0.07	24.03	278.37
1625.00	1.28	239.69	1624.54	3.88	3.20	-24.25	0.27	24.46	277.53
1650.00	1.22	238.42	1649.54	3.61	2.92	-24.71	0.25	24.89	276.74

MD	INC	AZIM	TVD	VS	N/S	E/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	/100ft	ft	deg
1675.00	1.16	235.99	1674.53	3.34	2.64	-25.15	0.31	25.29	275.99
1700.00	1.07	230.48	1699.53	3.06	2.35	-25.54	0.58	25.65	275.26
1725.00	0.92	230.64	1724.52	2.79	2.08	-25.88	0.59	25.96	274.58
1750.00	0.72	214.27	1749.52	2.54	1.82	-26.12	1.22	26.18	273.98
1775.00	0.69	205.16	1774.52	2.28	1.55	-26.27	0.47	26.32	273.38
1800.00	0.63	176.04	1799.52	2.01	1.28	-26.33	0.35	26.36	272.78
1825.00	0.69	153.48	1824.51	1.73	1.01	-26.25	1.06	26.27	272.19
1850.00	0.77	149.79	1849.51	1.45	0.73	-26.10	0.35	26.11	271.59
1875.00	0.73	150.12	1874.51	1.16	0.44	-25.94	0.14	25.94	270.98
1900.00	0.76	146.16	1899.51	0.88	0.17	-25.77	0.24	25.77	270.37
1925.00	0.84	141.31	1924.51	0.60	-0.11	-25.56	0.40	25.56	269.75
1950.00	0.93	139.32	1949.50	0.29	0.41	-25.31	0.41	25.32	269.07
1975.00	1.03	125.34	1974.50	0.00	0.69	-25.00	1.02	25.01	268.41
2000.00	1.34	120.49	1999.49	0.29	-0.97	-24.56	1.31	24.58	267.73
2025.00	1.29	117.72	2024.49	0.58	1.25	-24.06	0.32	24.09	267.02
2050.00	1.44	116.55	2049.48	0.87	1.52	-23.53	0.59	23.58	266.30
2075.00	1.79	117.06	2074.47	-1.20	-1.84	-22.90	1.43	22.98	265.41
2100.00	1.98	117.15	2099.46	-1.60	-2.22	-22.17	0.75	22.28	264.29
2125.00	2.19	115.70	2124.44	-2.03	-2.62	-21.36	0.86	21.52	263.01
2150.00	2.46	115.42	2149.42	-2.49	-3.06	-20.44	1.09	20.67	261.50
2175.00	2.60	116.91	2174.39	-3.00	-3.54	-19.45	0.61	19.77	259.68
2200.00	2.58	117.29	2199.37	-3.54	-4.06	-18.45	0.12	18.89	257.59
2225.00	2.67	116.63	2224.34	-4.09	-4.58	-17.43	0.39	18.02	255.29
2250.00	2.60	117.75	2249.32	-4.64	-5.10	-16.40	0.34	17.18	252.73
2275.00	2.31	126.40	2274.29	-5.23	-5.66	-15.50	1.88	16.50	249.93
2300.00	1.73	149.22	2299.28	-5.87	-6.29	-14.90	3.93	16.17	247.13
2325.00	1.47	169.56	2324.27	-6.52	-6.93	-14.65	2.47	16.20	244.70
2350.00	1.53	195.81	2349.26	-7.15	-7.56	-14.68	2.74	16.52	242.74
2375.00	2.56	233.61	2374.25	-7.79	-8.22	-15.22	6.59	17.30	241.64
2400.00	3.76	245.82	2399.21	-8.43	-8.88	-16.42	5.47	18.67	241.58
2425.00	4.17	247.75	2424.15	-9.06	-9.56	-18.01	1.70	20.39	242.03
2450.00	5.09	250.38	2449.07	-9.72	-10.28	-19.89	3.80	22.39	242.67

MD	INC	AZIM	TVD	VS	IN/S	TE/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
2475.00	5.91	250.30	2473.95	-10.47	-11.09	-22.15	3.28	24.77	243.41
2500.00	6.31	250.00	2498.81	-11.30	-11.99	-24.65	1.61	27.42	244.06
2525.00	6.36	249.44	2523.66	-12.19	-12.95	-27.24	0.32	30.16	244.58
2550.00	6.32	249.56	2548.50	-13.08	-13.91	-29.83	0.18	32.91	244.99
2575.00	6.42	249.40	2573.35	-13.98	-14.89	-32.43	0.39	35.68	245.34
2600.00	6.46	249.55	2598.19	-14.89	-15.87	-35.05	0.18	38.48	245.64
2625.00	6.52	248.30	2623.03	-15.83	-16.88	-37.69	0.61	41.30	245.87
2650.00	6.31	242.62	2647.87	-16.92	-18.04	-40.23	2.67	44.09	245.84
2675.00	6.39	242.14	2672.72	-18.13	-19.32	-42.67	0.39	46.85	245.64
2700.00	6.40	239.69	2697.57	-19.42	-20.68	-45.11	1.09	49.62	245.38
2725.00	6.50	235.72	2722.41	-20.85	-22.18	-47.48	1.83	52.40	244.96
2750.00	6.94	228.09	2747.24	-22.59	-23.98	-49.77	3.97	55.25	244.27
2775.00	7.43	224.04	2772.04	-24.70	-26.15	-52.02	2.81	58.22	243.31
2800.00	7.55	222.78	2796.83	-27.00	-28.52	-54.26	0.81	61.30	242.27
2825.00	7.68	221.40	2821.61	-29.40	-30.97	-56.48	0.91	64.41	241.26
2850.00	7.71	220.44	2846.38	-31.86	-33.50	-58.67	0.53	67.56	240.27
2875.00	7.78	220.89	2871.15	-34.36	-36.06	-60.86	0.38	70.74	239.35
2900.00	7.63	221.22	2895.93	-36.82	-38.59	-63.07	0.63	73.94	238.54
2925.00	7.72	221.02	2920.70	-39.28	-41.10	-65.26	0.36	77.13	237.80
2950.00	7.66	221.82	2945.48	-41.72	-43.61	-67.47	0.49	80.34	237.12
2975.00	7.54	221.61	2970.26	-44.13	-46.08	-69.67	0.48	83.53	236.52
3000.00	7.55	221.92	2995.04	-46.51	-48.53	-71.86	0.17	86.71	235.97
3025.00	7.48	221.68	3019.83	-48.89	-50.96	-74.04	0.31	89.89	235.46
3050.00	7.45	222.13	3044.62	-51.25	-53.38	-76.21	0.26	93.05	234.99
3075.00	7.41	221.81	3069.41	-53.59	-55.79	-78.37	0.23	96.20	234.56
3100.00	7.52	222.31	3094.19	-55.94	-58.20	-80.55	0.51	99.38	234.15
3125.00	7.46	221.69	3118.98	-58.30	-60.62	-82.73	0.41	102.56	233.77
3150.00	7.27	222.60	3143.77	-60.62	-63.00	-84.88	0.89	105.70	233.42
3175.00	7.31	221.53	3168.57	-62.91	-65.35	-87.01	0.57	108.82	233.09
3200.00	7.27	222.16	3193.37	-65.22	-67.72	-89.12	0.35	111.93	232.77
3225.00	7.29	221.80	3218.17	-67.51	-70.07	-91.24	0.20	115.04	232.48
3250.00	7.06	221.38	3242.97	-69.79	-72.41	-93.31	0.97	118.11	232.19

MD	INC	AZIM	TVD	VS	N/S	FE/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
3275.00	6.98	221.13	3267.79	72.03	74.70	95.33	0.33	121.11	231.92
3300.00	6.71	221.70	3292.61	74.21	76.94	97.30	1.09	124.04	231.67
3325.00	6.68	220.64	3317.44	-76.35	-79.13	-99.22	0.52	126.91	231.43
3350.00	6.68	220.61	3342.27	-78.50	-81.34	-101.11	0.02	129.77	231.19
3375.00	6.63	221.47	3367.10	-80.63	-83.52	-103.01	0.44	132.62	230.97
3400.00	6.43	221.62	3391.94	-82.71	-85.65	-104.90	0.80	135.43	230.77
3425.00	6.39	220.84	3416.78	-84.76	-87.75	-106.74	0.38	138.18	230.58
3450.00	6.50	221.30	3441.62	-86.82	-89.87	-108.58	0.48	140.95	230.39
3475.00	6.41	221.14	3466.46	-88.88	-91.98	-110.43	0.37	143.72	230.21
3500.00	6.40	222.00	3491.31	-90.91	-94.07	-112.29	0.38	146.48	230.05
3525.00	6.36	221.22	3516.15	-92.94	-96.14	-114.13	0.38	149.23	229.89
3550.00	6.37	221.89	3541.00	-94.96	-98.22	-115.97	0.30	151.98	229.74
3575.00	6.36	221.75	3565.84	-96.98	-100.29	-117.82	0.08	154.72	229.60
3600.00	6.37	222.26	3590.69	-98.99	-102.35	-119.67	0.22	157.47	229.46
3625.00	6.24	222.26	3615.54	-100.96	-104.38	-121.52	0.50	160.19	229.34
3650.00	6.26	221.39	3640.39	-102.94	-106.40	-123.34	0.39	162.89	229.21
3675.00	6.26	221.49	3665.24	-104.94	-108.45	-125.14	0.04	165.59	229.09
3700.00	6.26	221.95	3690.09	-106.92	-110.48	-126.95	0.20	168.30	228.97
3725.00	6.32	222.23	3714.94	-108.90	-112.52	-128.79	0.25	171.02	228.86
3750.00	6.26	222.42	3739.79	-110.87	-114.54	-130.63	0.23	173.74	228.76
3775.00	6.25	222.50	3764.64	-112.83	-116.55	-132.47	0.08	176.45	228.66
3800.00	6.23	222.98	3789.49	-114.77	-118.55	-134.32	0.22	179.15	228.57
3825.00	6.23	223.80	3814.35	-116.69	-120.52	-136.18	0.36	181.85	228.49
3850.00	6.13	223.93	3839.20	-118.58	-122.46	-138.05	0.39	184.53	228.42
3875.00	6.07	223.41	3864.06	-120.45	-124.38	-139.88	0.32	187.18	228.36
3900.00	6.13	224.04	3888.92	-122.32	-126.30	-141.72	0.35	189.83	228.29
3925.00	6.06	222.90	3913.78	-124.19	-128.23	-143.54	0.55	192.47	228.23
3950.00	6.13	223.51	3938.64	-126.08	-130.16	-145.36	0.37	195.12	228.16
3975.00	6.11	223.82	3963.49	-127.95	-132.09	-147.20	0.14	197.77	228.10
4000.00	6.06	223.64	3988.35	-129.82	-134.00	-149.03	0.24	200.42	228.04
4025.00	5.99	223.39	4013.21	-131.67	-135.91	-150.84	0.26	203.03	227.98
4050.00	6.07	224.58	4038.08	-133.51	-137.80	-152.66	0.57	205.65	227.93

MD	INC	AZIM	TVD	VS	TVS	HEAV	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
4075.00	6.04	223.35	4062.94	-135.35	-139.69	-154.49	0.53	208.28	227.88
4100.00	6.02	223.55	4087.80	-137.21	-141.60	-156.30	0.11	210.90	227.82
4125.00	6.00	223.57	4112.66	-139.05	-143.50	-158.10	0.10	213.51	227.77
4150.00	6.02	223.39	4137.52	-140.90	-145.39	-159.90	0.10	216.12	227.72
4175.00	6.06	222.96	4162.38	-142.77	-147.31	-161.70	0.24	218.74	227.67
4200.00	6.08	223.20	4187.24	-144.65	-149.24	-163.51	0.15	221.38	227.61
4225.00	6.06	223.33	4212.10	-146.52	-151.17	-165.32	0.10	224.01	227.56
4250.00	6.10	223.59	4236.96	-148.39	-153.09	-167.14	0.17	226.66	227.51
4275.00	6.10	223.39	4261.82	-150.27	-155.02	-168.97	0.09	229.30	227.47
4300.00	6.01	223.30	4286.68	-152.13	-156.93	-170.78	0.37	231.93	227.42
4325.00	6.09	222.57	4311.54	-154.01	-158.86	-172.57	0.47	234.56	227.37
4350.00	6.03	222.37	4336.40	-155.91	-160.81	-174.36	0.25	237.19	227.31
4375.00	6.05	224.40	4361.26	-157.77	-162.72	-176.16	0.86	239.82	227.27
4400.00	6.11	223.77	4386.12	-159.62	-164.63	-178.01	0.37	242.46	227.24
4425.00	6.05	223.45	4410.98	-161.49	-166.55	-179.83	0.27	245.11	227.20
4450.00	5.83	223.77	4435.85	-163.31	-168.42	-181.62	0.92	247.69	227.16
4475.00	5.26	221.67	4460.73	-165.04	-170.19	-183.26	2.42	250.10	227.12
4500.00	5.00	220.19	4485.63	-166.69	-171.88	-184.72	1.16	252.32	227.06
4525.00	4.70	219.40	4510.54	-168.27	-173.50	-186.08	1.22	254.42	227.00
4550.00	4.51	218.49	4535.46	-169.80	-175.06	-187.34	0.84	256.40	226.94
4575.00	4.15	218.68	4560.39	-171.24	-176.54	-188.51	1.43	258.27	226.88
4600.00	4.02	219.47	4585.33	-172.59	-177.92	-189.64	0.55	260.03	226.83
4625.00	3.95	220.21	4610.27	-173.89	-179.26	-190.75	0.35	261.76	226.78
4650.00	3.97	220.21	4635.21	-175.18	-180.58	-191.87	0.08	263.48	226.74
4675.00	3.96	221.71	4660.15	-176.46	-181.88	-193.00	0.42	265.20	226.70
4700.00	3.92	221.46	4685.09	-177.71	-183.17	-194.14	0.16	266.91	226.67
4725.00	3.82	220.71	4710.03	-178.95	-184.44	-195.25	0.44	268.59	226.63
4750.00	3.65	222.18	4734.98	-180.14	-185.66	-196.33	0.80	270.21	226.60
4775.00	3.58	219.70	4759.93	-181.30	-186.85	-197.36	0.67	271.78	226.57
4800.00	3.50	218.15	4784.88	-182.48	-188.05	-198.33	0.50	273.31	226.52
4825.00	2.78	220.98	4809.84	-183.51	-189.11	-199.20	2.98	274.67	226.49
4850.00	1.91	218.81	4834.82	-184.27	-189.89	-199.86	3.49	275.68	226.46

MD	INC	AZIM	TVD	VS	+N/S	FE/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
4875.00	1.43	221.37	4859.81	-184.82	-190.45	-200.32	1.91	276.41	226.45
4900.00	1.04	226.39	4884.80	-185.20	-190.84	-200.70	1.62	276.95	226.44
4925.00	0.74	215.44	4909.80	-185.48	-191.13	-200.95	1.39	277.33	226.44
4950.00	0.33	211.90	4934.80	-185.67	-191.32	-201.09	1.63	277.56	226.43
4975.00	0.27	210.66	4959.80	-185.78	-191.43	-201.15	0.26	277.69	226.42
5000.00	0.31	206.73	4984.80	-185.89	-191.54	-201.21	0.20	277.81	226.41
5025.00	0.24	217.52	5009.80	-185.99	-191.65	-201.28	0.36	277.92	226.40
5050.00	0.29	232.83	5034.80	-186.07	-191.73	-201.36	0.34	278.04	226.40
5075.00	0.26	217.50	5059.80	-186.15	-191.81	-201.44	0.31	278.15	226.40
5100.00	0.27	204.36	5084.80	-186.24	-191.91	-201.50	0.24	278.26	226.40
5125.00	0.32	208.01	5109.80	-186.35	-192.02	-201.56	0.24	278.38	226.39
5150.00	0.35	202.28	5134.80	-186.48	-192.15	-201.62	0.18	278.52	226.38
5175.00	0.33	195.83	5159.80	-186.62	-192.29	-201.67	0.17	278.65	226.36
5200.00	0.29	203.69	5184.80	-186.75	-192.42	-201.71	0.25	278.77	226.35
5225.00	0.18	168.04	5209.80	-186.85	-192.52	-201.73	0.70	278.85	226.34
5250.00	0.11	124.73	5234.80	-186.90	-192.57	-201.70	0.50	278.87	226.33
5275.00	0.26	79.25	5259.80	-186.90	-192.57	-201.62	0.80	278.81	226.32
5300.00	0.41	65.77	5284.80	-186.86	-192.53	-201.49	0.68	278.68	226.30
5325.00	0.65	62.01	5309.80	-186.76	-192.42	-201.28	0.97	278.46	226.29
5350.00	0.73	66.37	5334.79	-186.64	-192.29	-201.01	0.37	278.17	226.27
5375.00	0.76	67.85	5359.79	-186.52	-192.16	-200.71	0.15	277.87	226.25
5400.00	0.76	73.16	5384.79	-186.42	-192.05	-200.39	0.28	277.56	226.22
5425.00	0.79	63.56	5409.79	-186.30	-191.93	-200.08	0.53	277.25	226.19
5450.00	0.83	67.46	5434.78	-186.17	-191.78	-199.76	0.27	276.92	226.17
5475.00	0.73	66.22	5459.78	-186.04	-191.65	-199.45	0.38	276.60	226.14
5500.00	0.76	58.83	5484.78	-185.90	-191.50	-199.16	0.41	276.29	226.12
5525.00	0.73	73.95	5509.78	-185.78	-191.37	-198.87	0.80	275.99	226.10
5550.00	0.81	76.87	5534.78	-185.70	-191.28	-198.54	0.36	275.70	226.07
5575.00	0.73	78.92	5559.77	-185.64	-191.21	-198.21	0.32	275.41	226.03
5600.00	0.78	85.74	5584.77	-185.61	-191.17	-197.89	0.40	275.14	225.99
5625.00	0.73	81.22	5609.77	-185.58	-191.13	-197.56	0.30	274.88	225.95
5650.00	0.64	79.04	5634.77	-185.54	-191.08	-197.26	0.41	274.64	225.91

MD	INC	AZIM	TVD	VS	N/S	E/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
5675.00	0.60	90.95	5659.77	-185.52	-191.06	-197.00	0.53	274.43	225.88
5700.00	0.66	90.82	5684.76	-185.53	-191.06	-196.72	0.25	274.23	225.84
5725.00	0.67	79.38	5709.76	-185.51	-191.04	-196.43	0.53	274.01	225.80
5750.00	0.62	85.87	5734.76	-185.48	-191.00	-196.16	0.35	273.79	225.76
5775.00	0.63	96.36	5759.76	-185.50	-191.01	-195.88	0.46	273.59	225.72
5800.00	0.55	95.96	5784.76	-185.53	-191.03	-195.63	0.34	273.43	225.68
5825.00	0.54	103.43	5809.76	-185.58	-191.07	-195.39	0.29	273.29	225.64
5850.00	0.57	98.85	5834.76	-185.63	-191.12	-195.15	0.22	273.15	225.60
5875.00	0.56	100.88	5859.75	-185.68	-191.16	-194.91	0.10	273.01	225.56
5900.00	0.51	97.66	5884.75	-185.73	-191.20	-194.68	0.21	272.87	225.52
5925.00	0.48	112.83	5909.75	-185.79	-191.26	-194.47	0.54	272.76	225.48
5950.00	0.44	117.50	5934.75	-185.88	-191.34	-194.29	0.24	272.69	225.44
5975.00	0.45	117.06	5959.75	-185.97	-191.43	-194.12	0.04	272.63	225.40
6000.00	0.47	120.53	5984.75	-186.07	-191.53	-193.94	0.15	272.57	225.36
6025.00	0.47	125.40	6009.75	-186.19	-191.64	-193.77	0.16	272.53	225.32
6050.00	0.58	123.86	6034.75	-186.32	-191.77	-193.58	0.45	272.49	225.27
6075.00	0.48	139.63	6059.75	-186.48	-191.92	-193.41	0.71	272.47	225.22
6100.00	0.57	146.16	6084.75	-186.67	-192.10	-193.27	0.45	272.50	225.17
6125.00	0.58	144.50	6109.74	-186.88	-192.31	-193.13	0.07	272.55	225.12
6150.00	0.74	143.91	6134.74	-187.11	-192.54	-192.96	0.63	272.59	225.06
6175.00	0.81	139.25	6159.74	-187.38	-192.81	-192.75	0.38	272.63	224.99
6200.00	0.83	147.05	6184.74	-187.68	-193.09	-192.54	0.46	272.68	224.92
6225.00	0.89	143.61	6209.74	-187.99	-193.40	-192.32	0.30	272.75	224.84
6250.00	0.84	145.49	6234.73	-188.30	-193.71	-192.10	0.22	272.81	224.76
6275.00	0.80	141.23	6259.73	-188.60	-194.00	-191.89	0.29	272.87	224.69
6300.00	0.89	148.08	6284.73	-188.91	-194.30	-191.68	0.54	272.93	224.61
6325.00	0.95	154.85	6309.72	-189.26	-194.65	-191.49	0.48	273.05	224.53
6350.00	0.98	159.57	6334.72	-189.65	-195.04	-191.32	0.34	273.21	224.45
6375.00	0.99	158.91	6359.72	-190.06	-195.44	-191.17	0.06	273.39	224.37
6400.00	0.99	161.86	6384.71	-190.47	-195.84	-191.03	0.20	273.58	224.29
6425.00	1.01	159.89	6409.71	-190.88	-196.25	-190.88	0.17	273.78	224.21
6450.00	0.86	160.24	6434.71	-191.27	-196.64	-190.75	0.61	273.95	224.13

MD	INC	AZIM	IVD	VS	N/S	E/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
6475.00	0.79	168.63	6459.70	-191.62	-196.98	-190.65	0.55	274.13	224.06
6500.00	0.55	160.88	6484.70	-191.90	-197.27	-190.58	1.03	274.29	224.01
6525.00	0.37	149.16	6509.70	-192.09	-197.45	-190.49	0.80	274.36	223.97
6550.00	0.19	152.33	6534.70	-192.19	-197.55	-190.43	0.74	274.39	223.95
6575.00	0.21	129.67	6559.70	-192.26	-197.62	-190.38	0.32	274.40	223.93
6600.00	0.22	124.66	6584.70	-192.32	-197.68	-190.31	0.08	274.39	223.91
6625.00	0.29	105.55	6609.70	-192.37	-197.72	-190.21	0.44	274.36	223.89
6650.00	0.33	105.35	6634.70	-192.41	-197.76	-190.07	0.16	274.29	223.87
6675.00	0.36	105.48	6659.70	-192.45	-197.80	-189.93	0.12	274.22	223.84
6700.00	0.36	88.10	6684.70	-192.47	-197.81	-189.78	0.44	274.13	223.81
6725.00	0.26	96.37	6709.70	-192.48	-197.82	-189.64	0.44	274.03	223.79
6750.00	0.34	56.87	6734.70	-192.45	-197.78	-189.52	0.87	273.93	223.78
6775.00	0.28	53.49	6759.70	-192.37	-197.71	-189.41	0.25	273.79	223.77
6800.00	0.36	53.88	6784.70	-192.29	-197.62	-189.30	0.30	273.66	223.77
6825.00	0.33	28.69	6809.70	-192.19	-197.51	-189.20	0.61	273.51	223.77
6850.00	0.14	18.59	6834.70	-192.10	-197.42	-189.15	0.76	273.41	223.77
6875.00	0.18	330.83	6859.70	-192.04	-197.36	-189.16	0.53	273.37	223.79
6900.00	0.13	292.23	6884.70	-191.99	-197.32	-189.21	0.44	273.37	223.80
6925.00	0.10	57.07	6909.70	-191.97	-197.29	-189.22	0.83	273.36	223.80
6950.00	0.18	151.77	6934.70	-191.99	-197.32	-189.18	0.86	273.36	223.79
6975.00	0.64	135.37	6959.70	-192.13	-197.45	-189.06	1.88	273.37	223.76
7000.00	0.99	132.50	6984.69	-192.38	-197.70	-188.81	1.38	273.37	223.68
7025.00	1.11	139.99	7009.69	-192.72	-198.03	-188.49	0.75	273.39	223.59
7050.00	1.12	129.65	7034.68	-193.07	-198.37	-188.15	0.80	273.40	223.49
7075.00	1.12	139.25	7059.68	-193.42	-198.71	-187.80	0.75	273.41	223.38
7100.00	0.95	126.13	7084.68	-193.74	-199.02	-187.47	1.15	273.41	223.29
7125.00	0.76	123.49	7109.67	-193.96	-199.23	-187.17	0.78	273.36	223.21
7150.00	0.75	118.93	7134.67	-194.14	-199.40	-186.88	0.24	273.29	223.14
7175.00	0.55	120.99	7159.67	-194.29	-199.54	-186.64	0.83	273.22	223.09
7200.00	0.58	110.73	7184.67	-194.40	-199.65	-186.42	0.42	273.15	223.04
7225.00	0.46	91.88	7209.67	-194.45	-199.70	-186.20	0.83	273.04	223.00
7250.00	0.32	91.79	7234.67	-194.46	-199.70	-186.03	0.59	272.92	222.97

MD	INC	AZIM	TVD	VS	IN/S	HE/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
7275.00	0.16	25.19	7259.67	-194.44	-199.67	-185.94	1.17	272.85	222.96
7300.00	0.54	331.79	7284.67	-194.30	-199.54	-185.98	1.86	272.77	222.99
7325.00	0.74	320.11	7309.66	-194.07	-199.31	-186.14	0.95	272.72	223.04
7350.00	0.79	317.71	7334.66	-193.81	-199.06	-186.36	0.22	272.68	223.11
7375.00	0.80	317.27	7359.66	-193.55	-198.81	-186.60	0.06	272.66	223.19
7400.00	0.79	322.26	7384.66	-193.28	-198.54	-186.82	0.28	272.62	223.26
7425.00	0.65	307.67	7409.65	-193.05	-198.32	-187.04	0.91	272.60	223.32
7450.00	0.42	281.59	7434.65	-192.94	-198.21	-187.24	1.32	272.67	223.37
7475.00	0.42	264.91	7459.65	-192.93	-198.20	-187.42	0.49	272.78	223.40
7500.00	0.45	271.69	7484.65	-192.93	-198.21	-187.61	0.24	272.92	223.43
7525.00	0.53	281.15	7509.65	-192.89	-198.18	-187.82	0.47	273.05	223.46
7550.00	0.89	307.19	7534.65	-192.75	-198.04	-188.09	1.87	273.13	223.52
7575.00	1.54	323.49	7559.64	-192.35	-197.66	-188.45	2.92	273.09	223.63
7600.00	1.98	328.88	7584.63	-191.70	-197.02	-188.87	1.91	272.92	223.79
7625.00	2.06	327.94	7609.62	-190.94	-196.26	-189.33	0.35	272.70	223.97
7650.00	2.20	330.59	7634.60	-190.12	-195.47	-189.81	0.67	272.46	224.16
7675.00	2.08	329.56	7659.58	-189.30	-194.66	-190.27	0.51	272.20	224.35
7700.00	2.21	328.04	7684.56	-188.49	-193.86	-190.76	0.59	271.97	224.54
7725.00	2.13	328.42	7709.55	-187.67	-193.05	-191.26	0.32	271.75	224.73
7750.00	2.10	328.20	7734.53	-186.87	-192.26	-191.74	0.14	271.53	224.92
7775.00	2.17	331.79	7759.51	-186.05	-191.46	-192.21	0.61	271.29	225.11
7800.00	2.18	334.58	7784.49	-185.19	-190.61	-192.63	0.42	271.00	225.30
7825.00	2.00	340.85	7809.48	-184.34	-189.77	-192.98	1.16	270.66	225.48
7850.00	1.91	354.61	7834.46	-183.51	-188.95	-193.16	1.90	270.21	225.63
7875.00	2.13	3.94	7859.45	-182.64	-188.07	-193.17	1.60	269.60	225.77
7900.00	2.30	7.09	7884.43	-181.68	-187.10	-193.08	0.84	268.86	225.90
7925.00	1.93	11.84	7909.41	-180.77	-186.19	-192.93	1.66	268.12	226.02
7950.00	2.17	12.05	7934.40	-179.90	-185.32	-192.74	0.96	267.38	226.12
7975.00	2.01	10.23	7959.38	-179.01	-184.43	-192.57	0.67	266.64	226.24
8000.00	2.00	14.59	7984.36	-178.16	-183.57	-192.38	0.61	265.91	226.34
8025.00	1.70	12.83	8009.35	-177.38	-182.79	-192.19	1.24	265.23	226.44
8050.00	1.66	13.43	8034.34	-176.68	-182.07	-192.02	0.18	264.62	226.52

MD	INC	AZIM	TVD	VS	N/S	E/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	/100ft	ft	deg
8075.00	1.42	11.03	8059.33	-176.02	-181.42	-191.88	0.98	264.06	226.60
8100.00	1.51	8.59	8084.32	-175.40	-180.79	-191.77	0.43	263.55	226.69
8125.00	1.46	11.30	8109.31	-174.76	-180.15	-191.66	0.34	263.03	226.77
8150.00	1.31	9.86	8134.31	-174.17	-179.55	-191.54	0.61	262.54	226.85
8175.00	1.24	6.17	8159.30	-173.62	-179.00	-191.47	0.44	262.11	226.93
8200.00	1.19	359.57	8184.30	-173.10	-178.48	-191.44	0.59	261.73	227.01
8225.00	1.10	359.25	8209.29	-172.60	-177.98	-191.44	0.39	261.39	227.09
8250.00	1.02	354.51	8234.29	-172.14	-177.52	-191.47	0.46	261.10	227.17
8275.00	0.99	350.10	8259.28	-171.70	-177.08	-191.53	0.33	260.85	227.24
8300.00	1.15	342.39	8284.28	-171.24	-176.63	-191.64	0.86	260.62	227.33
8325.00	1.16	334.49	8309.27	-170.77	-176.16	-191.83	0.64	260.44	227.44
8350.00	1.36	332.58	8334.27	-170.27	-175.67	-192.07	0.79	260.29	227.55
8375.00	1.53	327.10	8359.26	-169.72	-175.13	-192.39	0.88	260.16	227.69
8400.00	1.55	319.37	8384.25	-169.17	-174.59	-192.79	0.84	260.10	227.84
8425.00	1.60	307.06	8409.24	-168.69	-174.12	-193.29	1.36	260.15	227.99
8450.00	1.76	305.17	8434.23	-168.24	-173.69	-193.88	0.68	260.30	228.14
8475.00	1.71	304.73	8459.22	-167.79	-173.26	-194.50	0.18	260.48	228.31
8500.00	1.85	300.05	8484.21	-167.36	-172.84	-195.16	0.81	260.69	228.47
8525.00	1.78	296.73	8509.19	-166.96	-172.46	-195.86	0.51	260.97	228.63
8550.00	1.72	296.39	8534.18	-166.60	-172.12	-196.54	0.24	261.26	228.79
8575.00	1.58	294.75	8559.17	-166.27	-171.81	-197.19	0.59	261.54	228.93
8600.00	1.62	294.83	8584.16	-165.96	-171.52	-197.82	0.15	261.83	229.07
8625.00	1.69	296.02	8609.15	-165.64	-171.21	-198.48	0.32	262.12	229.22
8650.00	1.12	281.28	8634.14	-165.41	-171.00	-199.05	2.69	262.41	229.33
8675.00	1.09	279.58	8659.14	-165.31	-170.91	-199.52	0.17	262.72	229.42
8700.00	0.98	274.40	8684.13	-165.24	-170.85	-199.97	0.59	263.02	229.49
8713.00	1.02	267.97	8697.13	-165.23	-170.85	-200.20	0.93	263.19	229.52