

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



**Operator Notice Regarding
C-104 Denial and Request for Information**

OCD is providing notice to operators that it will deny your C-104 – *Request for Allowable and Authorization to Transport* if it fails to provide complete and accurate information, including:

Test Allowable, New Well and Recompleted Well

Amend C-104

- ☐ 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

Test, TD & RR Dates

- ☐ Applicable Order (NSL, NSP, Other _____)
- ☐ Deviation Survey for Vertical Wells
- ☐ Directional Survey

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

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

The sale or transport of product without an approved C-104 violates the Oil and Gas Act and the implementing rules, including 19.15.7.15 and 19.15.16.19 NMAC. If OCD determines that your C-104 is incomplete or inaccurate, it will give you notice to resubmit your C-104 within 30 days. Failure to comply with this notice may result in enforcement action.

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

RECEIVED

DEC 04 2019

Submit one copy to appropriate District Office

Form C-104
Revised August 1, 2011

DISTRICT IV-ARTESIA O.C.D. 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 30-015-44002	⁵ Pool Name Purple Sage; Wolfcamp	⁶ Pool Code 98220
⁷ Property Code 38521	⁸ Property Name Myox 21 State Com	⁹ Well Number 32H

II. ¹⁰ Surface Location

UI or lot no. M	Section 21	Township 25S	Range 28E	Lot Idn	Feet from the 215	North/South Line South	Feet from the 790	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UI or lot no. D	Section 16	Township 25S	Range 28E	Lot Idn	Feet from the 227	North/South Line North	Feet from the 921	East/West line West	County Eddy
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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
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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 5/1/19	²² Ready Date	²³ TD 19,477'	²⁴ PBSD 19,250'	²⁵ Perforations 9,552-19,270'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	617'	670		
12 1/4"	9 7/8"	8,712'	2360		
8 3/4"	5.5"	19,462'	4210		
	2 7/8"	8,687'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length 24 Hrs	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 by:

Title:

Approval D.

DENIED
See Attached Cover Sheet

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) 476-3480 Fax: (505) 476-3482

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

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-44002		Pool Code 98220	Pool Name Purple Sage; Wolfcamp
Property Code 38521	Property Name MYOX 21 STATE COM		Well Number 32H
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 2990.7'

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	21	25-S	28-E		215	SOUTH	790	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
D	16	25-S	28-E		227	NORTH	921	WEST	EDDY
Dedicated Acres 640	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

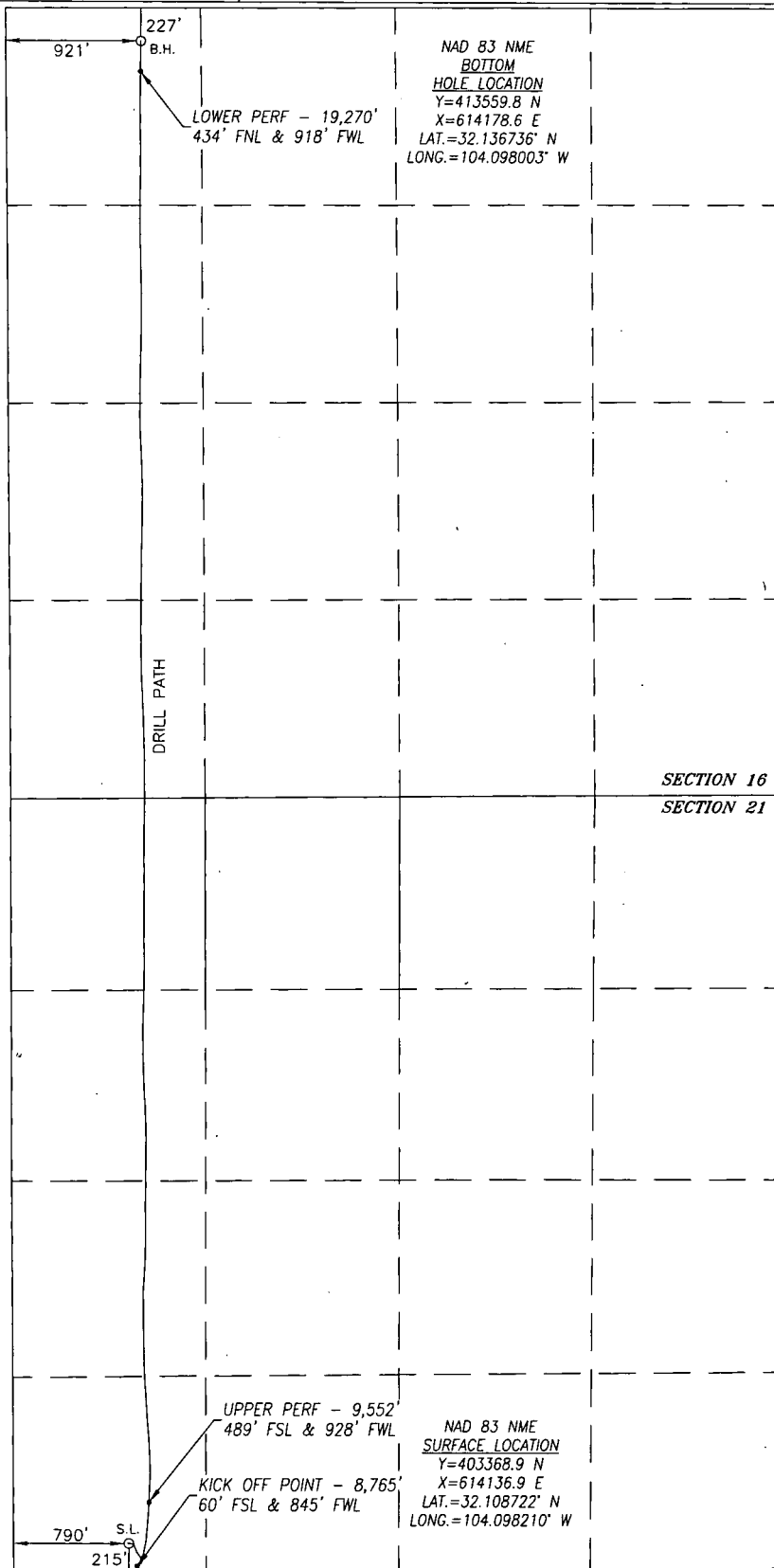
SEE PAGE 2

PAGE 1 OF 2

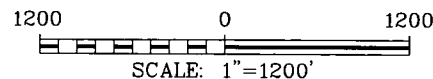
W.O. #19-2116

DRAWN BY: WN

Property Code 38521	Property Name MYOX 21 STATE COM	Well Number 32H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2990.7'



SURFACE INFO AND BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE MYOX 21 STATE COM #32H 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/MAY 31, 2019

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



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

Intent ☐ As Drilled ☒

API #
30-015-44002

Operator Name:
COG OPERATING, LLC

Property Name:
MYOX 21 STATE COM

Well Number
32H

Kick Off Point (KOP)

UL M	Section 21	Township 25S	Range 28E	Lot	Feet 60	From N/S SOUTH	Feet 845	From E/W WEST	County EDDY
Latitude 32.180296					Longitude -104.098030			NAD 83	

First Take Point (FTP)

UL M	Section 21	Township 25S	Range 28E	Lot	Feet 489	From N/S SOUTH	Feet 928	From E/W WEST	County EDDY
Latitude 32.109477					Longitude -104.097771			NAD 83	

Last Take Point (LTP)

UL D	Section 16	Township 25S	Range 28E	Lot	Feet 434	From N/S NORTH	Feet 918	From E/W WEST	County EDDY
Latitude 32.136167					Longitude -104.098011			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
32H

KZ 06/29/2018

1000

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COG

SURVEY REPORT

MYOX 21 STATE COM #32H

PRECISION #106

5/12/2019

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

JAKE ELGER

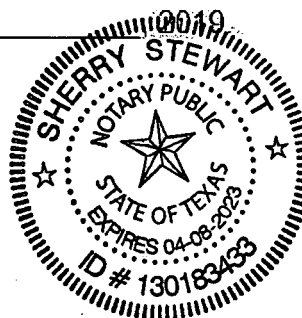
Notarized this date 07 of JUNE

Sherry Stewart

Notary Signature

County of Midland

State of Texas



The Ultimate Partner In Wellbore Placement

SURVEY REPORT

MYOX 21 STATE COM #32H

KEEPER GYRO SURVEY

CUSTOMER
PROJECT
FIELD

COG
Myox 21 State Com #32H
*

SDI JOB NO.
SDI DISTRICT
SDI KIT/UNIT

OP.018563
Midland

SITE INFORMATION

Site Name
Lat/Long
Northing
Easting

Myox 21 State Com #32H
32.108599° N, 104.09772° W
403,311.1 ft
572,952.7 ft

Section
Township
Range

MAP INFORMATION

North Reference
Grid Correction
System
Datum
Map Zone

Grid North
-0.13 deg
US State Plane 1927
North American Datum 1927 (Clarke 1866)
New Mexico East: 3001



WELL INFORMATION

Lat/Long
Northing
Easting
UWI

32.108599° N, 104.09772° W
403,311.1 ft
572,952.7 ft
30-015-44002

DEPTH AND ELEVATION REFERENCE

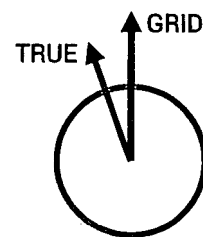
Ground Level
Level
Reference Datum
Reference Height
Reference Elevation

2990.7 ft above Mean Sea
Level
RKB
31 ft above G.L.
3021.7 ft

VERTICAL SECTION REFERENCE

+N/-S
+E/-W
Proposal Direction
Calculation Method

0 ft
0 ft
0.16°
Minimum Curvature



LOCAL GRAVITY REFERENCE INFORMATION

Local Gravity
True to Grid

998.530 mG [computed]
subtract 0.13°

WELL NOTES

Keeper Gyro Survey

OPERATORS

R. Franco

SDI Operator Name (Printed)

SIGNATURE

DATE

MD	INC	AZIM	TVD	VS	TVS	HEAV	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	0.15	258.07	100.00	-0.03	-0.03	-0.12	0.15	0.13	258.07
125.00	0.04	41.82	125.00	-0.03	-0.03	-0.15	0.72	0.15	259.99
150.00	0.20	353.59	150.00	0.02	0.02	-0.15	0.69	0.15	278.52
175.00	0.01	158.89	175.00	0.06	0.06	-0.15	0.82	0.16	292.25
200.00	0.12	218.80	200.00	0.04	0.04	-0.17	0.47	0.17	283.13
225.00	0.16	269.70	225.00	0.02	0.02	-0.22	0.49	0.22	274.74
250.00	0.18	246.88	250.00	0.00	0.00	-0.29	0.29	0.29	270.46
275.00	0.28	228.97	275.00	0.05	0.05	-0.37	0.47	0.38	261.89
300.00	0.38	257.12	300.00	0.11	0.11	-0.50	0.75	0.51	257.43
325.00	0.36	247.22	325.00	-0.16	-0.16	-0.65	0.27	0.67	256.20
350.00	0.43	250.30	350.00	-0.22	-0.22	-0.81	0.29	0.84	254.71
375.00	0.45	249.53	375.00	-0.29	-0.29	-0.99	0.09	1.03	253.82
400.00	0.48	253.78	400.00	-0.35	-0.35	-1.18	0.17	1.24	253.48
425.00	0.49	248.21	425.00	-0.42	-0.42	-1.38	0.20	1.45	253.11
450.00	0.49	270.16	449.99	-0.46	-0.46	-1.59	0.75	1.66	253.88
475.00	0.65	274.42	474.99	-0.45	-0.45	-1.84	0.63	1.89	256.29
500.00	0.81	283.35	499.99	-0.40	-0.40	-2.15	0.80	2.19	259.54
525.00	0.80	283.06	524.99	-0.32	-0.32	-2.50	0.05	2.52	262.76
550.00	0.76	289.60	549.99	-0.23	-0.22	-2.82	0.39	2.83	265.50
575.00	0.74	284.34	574.98	-0.14	-0.13	-3.13	0.28	3.14	267.69
600.00	0.78	283.72	599.98	-0.06	-0.05	-3.46	0.18	3.46	269.24
625.00	0.77	288.01	624.98	0.04	0.05	-3.78	0.24	3.78	270.71
650.00	0.90	292.53	649.98	0.16	0.17	-4.12	0.59	4.13	272.41
675.00	1.03	296.48	674.97	0.34	0.35	-4.51	0.58	4.52	274.43
700.00	0.94	297.78	699.97	0.53	0.54	-4.89	0.39	4.92	276.36
725.00	1.06	300.00	724.97	0.74	0.76	-5.27	0.51	5.32	278.16
750.00	1.16	303.00	749.96	0.99	1.01	-5.68	0.46	5.77	280.06
775.00	1.12	305.92	774.96	1.27	1.29	-6.09	0.28	6.23	281.95
800.00	1.08	302.78	799.95	1.54	1.56	-6.49	0.28	6.67	283.52
825.00	1.11	304.83	824.95	1.81	1.83	-6.88	0.18	7.12	284.85
850.00	0.80	319.08	849.94	2.07	2.09	-7.20	1.54	7.49	286.23

MD	INC	AZIM	TVD	VS	IN/S	FE/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	/100ft	ft	deg
875.00	0.51	4.55	874.94	2.32	2.34	-7.30	2.29	7.67	287.76
900.00	0.50	55.55	899.94	2.49	2.51	-7.20	1.74	7.63	289.22
925.00	0.46	60.34	924.94	2.60	2.62	-7.03	0.22	7.50	290.46
950.00	0.56	71.16	949.94	2.69	2.71	-6.83	0.56	7.34	291.66
975.00	0.55	66.95	974.94	2.78	2.80	-6.60	0.17	7.17	292.97
1000.00	0.64	66.66	999.94	2.88	2.90	-6.36	0.34	6.99	294.51
1025.00	0.53	72.03	1024.94	2.97	2.99	-6.12	0.49	6.81	296.03
1050.00	0.56	69.39	1049.93	3.05	3.07	-5.90	0.17	6.65	297.49
1075.00	0.53	82.06	1074.93	3.11	3.13	-5.67	0.50	6.47	298.89
1100.00	0.62	89.35	1099.93	3.13	3.15	-5.42	0.46	6.27	300.13
1125.00	0.60	94.69	1124.93	3.12	3.14	-5.15	0.24	6.03	301.32
1150.00	0.55	90.63	1149.93	3.11	3.12	-4.90	0.26	5.82	302.50
1175.00	0.63	84.32	1174.93	3.12	3.14	-4.65	0.42	5.61	304.02
1200.00	0.76	103.87	1199.93	3.10	3.11	-4.35	1.08	5.35	305.58
1225.00	0.70	104.65	1224.92	3.02	3.03	-4.04	0.24	5.05	306.90
1250.00	0.67	119.31	1249.92	2.91	2.92	-3.76	0.71	4.77	307.83
1275.00	0.81	105.97	1274.92	2.79	2.80	-3.47	0.88	4.46	308.95
1300.00	0.75	103.61	1299.92	2.71	2.72	-3.14	0.26	4.15	310.87
1325.00	0.88	117.98	1324.92	2.58	2.59	-2.81	0.97	3.82	312.64
1350.00	0.70	111.79	1349.91	2.43	2.44	-2.50	0.80	3.49	314.34
1375.00	0.75	119.53	1374.91	2.30	2.30	-2.21	0.43	3.19	316.15
1400.00	0.93	118.70	1399.91	2.12	2.12	-1.89	0.72	2.85	318.30
1425.00	0.80	121.09	1424.91	1.93	1.94	-1.57	0.54	2.49	321.04
1450.00	0.94	111.41	1449.90	1.77	1.77	-1.23	0.81	2.16	325.31
1475.00	1.07	110.85	1474.90	1.61	1.62	-0.82	0.53	1.81	333.12
1500.00	1.17	110.28	1499.89	1.44	1.44	-0.36	0.41	1.49	345.96
1525.00	1.31	112.97	1524.89	1.24	1.24	0.14	0.59	1.25	6.48
1550.00	1.30	107.39	1549.88	1.05	1.05	0.67	0.51	1.25	32.74
1575.00	1.30	109.24	1574.88	0.87	0.87	1.21	0.17	1.49	54.34
1600.00	1.38	97.52	1599.87	0.74	0.74	1.78	1.14	1.93	67.51
1625.00	1.52	96.75	1624.86	0.67	0.66	2.41	0.56	2.50	74.70
1650.00	1.56	105.63	1649.85	0.54	0.53	3.06	0.97	3.11	80.23

MD	INC	AZIM	TVD	VS	IN/S	HE/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
1675.00	1.62	93.46	1674.84	0.42	0.41	3.75	1.37	3.77	83.68
1700.00	1.74	98.85	1699.83	0.35	0.33	4.47	0.81	4.49	85.72
1725.00	1.84	91.10	1724.82	0.28	0.27	5.25	1.04	5.26	87.07
1750.00	1.90	91.24	1749.81	0.27	0.25	6.07	0.26	6.07	87.62
1775.00	1.89	92.72	1774.79	0.24	0.22	6.89	0.20	6.90	88.14
1800.00	2.06	91.35	1799.78	0.21	0.19	7.76	0.71	7.76	88.57
1825.00	2.20	96.78	1824.76	0.15	0.13	8.68	0.98	8.68	89.17
1850.00	2.29	96.90	1849.74	0.04	0.01	9.66	0.37	9.66	89.95
1875.00	2.37	97.99	1874.72	-0.09	-0.12	10.67	0.36	10.67	90.66
1900.00	2.54	94.75	1899.70	-0.21	-0.24	11.73	0.87	11.73	91.18
1925.00	2.69	92.36	1924.67	-0.28	-0.31	12.87	0.76	12.87	91.38
1950.00	2.60	92.72	1949.64	-0.32	-0.36	14.02	0.37	14.03	91.48
1975.00	2.18	95.45	1974.62	-0.39	-0.43	15.06	1.75	15.07	91.65
2000.00	1.70	98.98	1999.61	-0.49	-0.54	15.90	1.97	15.91	91.94
2025.00	1.59	100.80	2024.60	-0.61	-0.66	16.61	0.51	16.62	92.28
2050.00	1.67	100.74	2049.59	-0.74	-0.79	17.31	0.36	17.33	92.62
2075.00	1.74	106.06	2074.58	-0.92	-0.97	18.03	0.68	18.06	93.07
2100.00	1.80	101.33	2099.56	-1.10	-1.15	18.78	0.63	18.82	93.50
2125.00	2.09	105.08	2124.55	-1.29	-1.34	19.60	1.29	19.65	93.92
2150.00	2.04	107.22	2149.53	-1.54	-1.59	20.47	0.38	20.53	94.45
2175.00	2.42	115.03	2174.52	-1.89	-1.95	21.37	1.96	21.46	95.21
2200.00	2.61	113.15	2199.49	-2.33	-2.40	22.37	0.81	22.50	96.11
2225.00	2.69	113.24	2224.46	-2.79	-2.85	23.44	0.33	23.61	96.94
2250.00	2.64	114.94	2249.44	-3.26	-3.32	24.50	0.38	24.72	97.73
2275.00	3.21	115.29	2274.40	-3.79	-3.87	25.65	2.29	25.94	98.57
2300.00	3.38	113.92	2299.36	-4.39	-4.46	26.96	0.76	27.32	99.40
2325.00	3.44	114.35	2324.32	-4.99	-5.07	28.31	0.25	28.76	100.16
2350.00	3.58	114.52	2349.27	-5.62	-5.70	29.71	0.56	30.25	100.87
2375.00	3.58	135.97	2374.22	-6.50	-6.59	30.96	5.33	31.65	102.02
2400.00	3.74	144.50	2399.17	-7.73	-7.82	31.97	2.26	32.92	103.74
2425.00	3.82	154.40	2424.12	-9.14	-9.23	32.81	2.63	34.08	105.71
2450.00	3.77	157.98	2449.07	-10.65	-10.74	33.48	0.97	35.16	107.79

MD	INC	AZIM	TVD	VS	IN/S	FE/W	DLS	CLOSURE	CLOSURE
ft	deg	deg	ft	ft	ft	ft	%/100ft	DIST	DIR
2475.00	4.13	159.42	2474.01	-12.25	-12.35	34.10	1.49	36.27	1109.90
2500.00	4.01	157.51	2498.94	-13.90	-14.00	34.75	0.70	37.46	1111.94
2525.00	3.91	154.10	2523.88	-15.47	-15.57	35.46	1.03	38.73	1113.71
2550.00	3.53	158.22	2548.83	-16.95	-17.05	36.12	1.86	39.94	1115.28

2575.00	3.45	156.53	2573.78	-18.36	-18.46	36.70	0.51	41.08	116.70
2600.00	3.12	154.63	2598.74	-19.66	-19.76	37.29	1.42	42.21	117.92
2625.00	3.04	153.55	2623.71	-20.87	-20.97	37.88	0.39	43.30	118.97
2650.00	2.83	153.59	2648.67	-22.01	-22.12	38.45	0.84	44.36	119.91
2675.00	2.74	154.05	2673.64	-23.10	-23.21	38.98	0.37	45.37	120.77

2700.00	2.83	156.67	2698.61	-24.20	-24.31	39.49	0.63	46.37	121.62
2725.00	2.93	154.86	2723.58	-25.35	-25.46	40.01	0.53	47.42	122.47
2750.00	3.03	154.56	2748.55	-26.52	-26.63	40.56	0.41	48.52	123.29
2775.00	3.19	154.99	2773.51	-27.74	-27.86	41.14	0.67	49.68	124.10
2800.00	3.00	153.06	2798.48	-28.96	-29.07	41.73	0.89	50.86	124.86

2825.00	2.70	155.65	2823.45	-30.07	-30.19	42.27	1.27	51.94	125.54
2850.00	2.32	154.31	2848.42	-31.07	-31.18	42.73	1.57	52.90	126.12
2875.00	2.09	155.10	2873.40	-31.93	-32.05	43.14	0.93	53.75	126.61
2900.00	1.71	147.59	2898.39	-32.66	-32.78	43.53	1.82	54.49	126.98
2925.00	1.52	150.22	2923.38	-33.26	-33.38	43.90	0.81	55.15	127.25

2950.00	1.49	154.97	2948.37	-33.84	-33.96	44.20	0.51	55.74	127.54
2975.00	1.58	159.03	2973.36	-34.46	-34.58	44.46	0.57	56.32	127.88
3000.00	1.44	149.69	2998.35	-35.05	-35.17	44.74	1.14	56.91	128.17
3025.00	1.57	146.88	3023.34	-35.61	-35.73	45.09	0.61	57.53	128.40
3050.00	1.33	151.27	3048.34	-36.15	-36.27	45.41	1.06	58.12	128.62

3075.00	1.37	155.70	3073.33	-36.67	-36.80	45.68	0.44	58.66	128.86
3100.00	1.43	159.53	3098.32	-37.24	-37.37	45.91	0.44	59.19	129.14
3125.00	1.46	157.43	3123.31	-37.82	-37.95	46.14	0.24	59.74	129.44
3150.00	1.43	154.68	3148.31	-38.40	-38.53	46.40	0.30	60.31	129.71
3175.00	1.62	159.58	3173.30	-39.01	-39.14	46.65	0.92	60.90	130.00

3200.00	1.61	152.71	3198.29	-39.65	-39.78	46.94	0.77	61.53	130.28
3225.00	1.36	154.12	3223.28	-40.23	-40.36	47.23	1.02	62.12	130.52
3250.00	1.47	165.60	3248.27	-40.81	-40.94	47.44	1.22	62.66	130.80

MD	INC	AZIM	TVD	VS	IN/S	FE/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%100ft	ft	deg
3275.00	1.51	164.53	3273.26	-41.43	-41.57	47.60	0.19	63.20	131.13
3300.00	1.58	159.64	3298.25	-42.08	-42.21	47.81	0.59	63.78	131.44
3325.00	1.59	161.29	3323.24	-42.73	-42.86	48.04	0.19	64.38	131.74
3350.00	1.48	155.90	3348.24	-43.35	-43.49	48.29	0.72	64.98	132.00
3375.00	1.37	161.33	3373.23	-43.93	-44.06	48.51	0.71	65.54	132.25
3400.00	1.51	163.86	3398.22	-44.53	-44.66	48.70	0.61	66.08	132.52
3425.00	1.48	163.99	3423.21	-45.15	-45.29	48.88	0.11	66.64	132.82
3450.00	1.55	163.77	3448.20	-45.79	-45.93	49.07	0.27	67.21	133.11
3475.00	1.63	161.21	3473.19	-46.45	-46.59	49.28	0.43	67.81	133.39
3500.00	1.57	161.39	3498.18	-47.11	-47.25	49.50	0.25	68.43	133.67
3525.00	1.43	158.58	3523.17	-47.72	-47.86	49.72	0.63	69.01	133.91
3550.00	1.60	162.71	3548.17	-48.34	-48.48	49.94	0.81	69.60	134.15
3575.00	1.57	163.37	3573.16	-49.00	-49.14	50.14	0.14	70.21	134.42
3600.00	1.57	157.33	3598.15	-49.65	-49.79	50.37	0.66	70.82	134.67
3625.00	1.57	157.03	3623.14	-50.28	-50.42	50.64	0.05	71.46	134.88
3650.00	1.51	154.78	3648.13	-50.89	-51.03	50.91	0.32	72.08	135.07
3675.00	1.47	166.41	3673.12	-51.50	-51.64	51.13	1.22	72.67	135.29
3700.00	1.72	163.16	3698.11	-52.17	-52.31	51.31	1.07	73.27	135.55
3725.00	1.78	165.24	3723.10	-52.90	-53.05	51.52	0.35	73.94	135.84
3750.00	1.89	159.89	3748.09	-53.66	-53.81	51.76	0.82	74.66	136.11
3775.00	1.68	154.52	3773.07	-54.38	-54.53	52.06	1.07	75.39	136.33
3800.00	1.78	168.44	3798.06	-55.09	-55.24	52.29	1.73	76.07	136.57
3825.00	1.85	167.22	3823.05	-55.87	-56.01	52.46	0.29	76.74	136.88
3850.00	1.74	152.96	3848.04	-56.60	-56.75	52.72	1.83	77.46	137.10
3875.00	1.70	150.25	3873.03	-57.26	-57.41	53.08	0.37	78.19	137.24
3900.00	1.58	140.65	3898.02	-57.85	-58.00	53.48	1.20	78.89	137.32
3925.00	1.40	145.58	3923.01	-58.36	-58.51	53.87	0.88	79.54	137.36
3950.00	1.21	147.15	3948.00	-58.84	-58.99	54.19	0.76	80.10	137.43
3975.00	1.85	155.92	3972.99	-59.43	-59.58	54.50	2.70	80.74	137.55
4000.00	1.37	144.60	3997.98	-60.04	-60.19	54.84	2.28	81.42	137.67
4025.00	1.48	143.26	4022.97	-60.54	-60.69	55.20	0.45	82.04	137.71
4050.00	1.58	137.94	4047.97	-61.05	-61.21	55.63	0.69	82.71	137.74

TVD	INC	AZIM	TVD	VS	INVS	FEW	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	/100ft	ft	deg
4075.00	1.39	139.80	4072.96	-61.54	-61.69	56.05	0.77	83.35	137.74
4100.00	1.55	137.85	4097.95	-62.02	-62.18	56.47	0.67	84.00	137.75
4125.00	1.38	146.04	4122.94	-62.52	-62.68	56.87	1.07	84.63	137.78
4150.00	1.55	147.70	4147.93	-63.05	-63.21	57.22	0.68	85.26	137.85
4175.00	1.60	137.99	4172.92	-63.60	-63.76	57.63	1.09	85.95	137.89
4200.00	1.60	138.83	4197.91	-64.12	-64.28	58.10	0.09	86.64	137.89
4225.00	1.42	134.84	4222.90	-64.60	-64.76	58.55	0.83	87.30	137.89
4250.00	1.34	143.26	4247.90	-65.05	-65.22	58.94	0.88	87.91	137.89
4275.00	1.44	146.05	4272.89	-65.55	-65.71	59.29	0.51	88.51	137.94
4300.00	1.55	145.63	4297.88	-66.08	-66.25	59.66	0.43	89.15	138.00
4325.00	1.58	146.07	4322.87	-66.65	-66.82	60.04	0.13	89.83	138.06
4350.00	1.61	142.90	4347.86	-67.21	-67.38	60.45	0.37	90.52	138.11
4375.00	1.64	139.62	4372.85	-67.76	-67.93	60.89	0.39	91.23	138.13
4400.00	1.47	142.75	4397.84	-68.29	-68.46	61.32	0.73	91.91	138.15
4425.00	1.56	147.34	4422.83	-68.83	-69.00	61.69	0.60	92.56	138.20
4450.00	1.68	145.80	4447.82	-69.42	-69.59	62.08	0.50	93.26	138.26
4475.00	1.72	141.96	4472.81	-70.02	-70.19	62.52	0.49	94.00	138.31
4500.00	1.71	139.46	4497.80	-70.59	-70.77	62.99	0.30	94.74	138.33
4525.00	1.53	137.87	4522.79	-71.12	-71.30	63.46	0.74	95.45	138.33
4550.00	1.54	144.97	4547.78	-71.64	-71.82	63.87	0.76	96.12	138.35
4575.00	1.62	144.59	4572.77	-72.21	-72.39	64.27	0.32	96.80	138.40
4600.00	1.76	144.13	4597.76	-72.80	-72.98	64.70	0.54	97.53	138.44
4625.00	1.79	141.23	4622.75	-73.42	-73.60	65.17	0.38	98.31	138.48
4650.00	1.73	134.76	4647.74	-73.98	-74.17	65.68	0.83	99.07	138.47
4675.00	1.62	138.70	4672.73	-74.51	-74.70	66.18	0.61	99.80	138.46
4700.00	1.64	145.99	4697.72	-75.08	-75.26	66.62	0.83	100.51	138.49
4725.00	1.77	147.20	4722.71	-75.70	-75.88	67.03	0.56	101.25	138.55
4750.00	1.76	147.50	4747.70	-76.34	-76.53	67.44	0.08	102.01	138.61
4775.00	1.75	147.65	4772.68	-76.99	-77.18	67.85	0.05	102.76	138.68
4800.00	1.78	150.43	4797.67	-77.64	-77.84	68.25	0.37	103.52	138.76
4825.00	1.91	149.00	4822.66	-78.34	-78.53	68.65	0.54	104.31	138.84
4850.00	1.91	142.91	4847.65	-79.03	-79.22	69.12	0.81	105.13	138.90

MD	INC	AZIM	TVD	VS	+N-S	+E-W	DLS	CLOSURE	CLOSURE
ft	deg	deg	ft	ft	ft	ft	%100ft	DIST	DIR
4875.00	1.72	144.14	4872.63	-79.66	-79.86	69.59	0.78	105.92	138.93
4900.00	1.75	145.37	4897.62	-80.28	-80.47	70.03	0.19	106.68	138.97
4925.00	1.90	144.48	4922.61	-80.93	-81.12	70.48	0.60	107.47	139.01
4950.00	1.80	138.69	4947.60	-81.56	-81.76	70.98	0.84	108.27	139.03
4975.00	1.68	142.14	4972.58	-82.14	-82.34	71.47	0.62	109.03	139.04
5000.00	1.70	143.12	4997.57	-82.73	-82.93	71.92	0.12	109.77	139.07
5025.00	1.94	145.62	5022.56	-83.37	-83.57	72.38	1.04	110.56	139.11
5050.00	1.91	146.78	5047.55	-84.07	-84.27	72.84	0.19	111.39	139.16
5075.00	1.82	146.64	5072.53	-84.75	-84.95	73.29	0.38	112.20	139.21
5100.00	1.72	149.79	5097.52	-85.40	-85.61	73.70	0.56	112.96	139.28
5125.00	1.92	149.99	5122.51	-86.09	-86.30	74.10	0.81	113.74	139.35
5150.00	1.84	145.82	5147.50	-86.78	-86.99	74.53	0.63	114.55	139.41
5175.00	1.72	140.96	5172.48	-87.40	-87.61	74.99	0.79	115.33	139.44
5200.00	1.63	146.57	5197.47	-87.99	-88.20	75.43	0.74	116.06	139.46
5225.00	1.78	150.39	5222.46	-88.63	-88.84	75.81	0.76	116.79	139.52
5250.00	1.70	146.85	5247.45	-89.27	-89.49	76.21	0.54	117.54	139.58
5275.00	1.71	151.39	5272.44	-89.91	-90.13	76.59	0.54	118.28	139.64
5300.00	1.84	149.67	5297.43	-90.58	-90.80	76.97	0.56	119.04	139.71
5325.00	1.74	147.10	5322.41	-91.25	-91.46	77.38	0.50	119.81	139.77
5350.00	1.61	150.57	5347.40	-91.87	-92.09	77.76	0.67	120.53	139.82
5375.00	1.66	150.21	5372.39	-92.49	-92.71	78.11	0.20	121.23	139.88
5400.00	1.77	153.69	5397.38	-93.15	-93.37	78.46	0.62	121.96	139.96
5425.00	1.84	145.33	5422.37	-93.83	-94.05	78.86	1.09	122.74	140.02
5450.00	1.62	148.54	5447.36	-94.46	-94.68	79.28	0.95	123.49	140.06
5475.00	1.83	149.64	5472.35	-95.10	-95.32	79.66	0.82	124.23	140.11
5500.00	1.84	146.65	5497.33	-95.78	-96.00	80.09	0.39	125.02	140.17
5525.00	1.74	147.25	5522.32	-96.43	-96.65	80.51	0.42	125.80	140.21
5550.00	1.77	153.00	5547.31	-97.10	-97.32	80.89	0.72	126.55	140.27
5575.00	1.88	153.39	5572.30	-97.80	-98.03	81.25	0.42	127.33	140.35
5600.00	1.88	153.50	5597.28	-98.54	-98.76	81.62	0.02	128.12	140.43
5625.00	1.94	150.37	5622.27	-99.27	-99.50	82.01	0.48	128.94	140.50
5650.00	1.76	142.46	5647.26	-99.94	-100.17	82.45	1.26	129.74	140.54

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	1.64	144.36	5672.25	-100.53	-100.77	82.89	0.51	130.48	140.56
5700:00	1.79	150.24	5697.24	-101.16	-101.40	83.30	0.92	131.22	140.60
5725:00	1.95	150.93	5722.22	-101.87	-102.11	83.70	0.63	132.03	140.66
5750:00	1.84	147.25	5747.21	-102.58	-102.82	84.12	0.64	132.84	140.71
5775:00	1.69	144.48	5772.20	-103.22	-103.45	84.55	0.68	133.61	140.74
5800:00	1.63	150.99	5797.19	-103.83	-104.07	84.94	0.79	134.33	140.78
5825.00	1.63	147.48	5822.18	-104.44	-104.68	85.30	0.40	135.04	140.82
5850.00	1.67	153.47	5847.17	-105.06	-105.30	85.66	0.70	135.74	140.87
5875.00	1.74	143.26	5872.15	-105.69	-105.93	86.05	1.25	136.48	140.91
5900.00	1.46	146.16	5897.14	-106.26	-106.50	86.45	1.18	137.17	140.93
5925.00	1.84	152.54	5922.13	-106.88	-107.12	86.81	1.70	137.88	140.98
5950:00	1.81	149.82	5947.12	-107.58	-107.82	87.20	0.37	138.67	141.04
5975:00	1.72	147.19	5972.11	-108.23	-108.48	87.60	0.48	139.43	141.08
6000:00	1.64	150.69	5997.10	-108.86	-109.11	87.98	0.54	140.16	141.12
6025:00	1.84	153.42	6022.09	-109.53	-109.78	88.33	0.89	140.90	141.18
6050:00	1.87	149.71	6047.07	-110.24	-110.49	88.72	0.49	141.70	141.24
6075.00	1.64	151.71	6072.06	-110.91	-111.15	89.09	0.92	142.45	141.29
6100.00	1.72	153.56	6097.05	-111.56	-111.81	89.43	0.38	143.17	141.34
6125.00	1.86	157.34	6122.04	-112.27	-112.52	89.75	0.71	143.93	141.42
6150.00	1.68	151.90	6147.03	-112.96	-113.21	90.08	0.98	144.68	141.49
6175.00	1.56	157.21	6172.02	-113.60	-113.85	90.39	0.77	145.37	141.55
6200:00	1.75	169.83	6197.01	-114.28	-114.54	90.58	1.65	146.03	141.66
6225:00	1.90	169.54	6222.00	-115.07	-115.32	90.73	0.60	146.73	141.81
6250:00	1.85	167.53	6246.98	-115.87	-116.12	90.89	0.35	147.46	141.95
6275:00	1.88	165.18	6271.97	-116.66	-116.91	91.08	0.35	148.21	142.08
6300:00	1.79	166.01	6296.96	-117.44	-117.69	91.28	0.38	148.94	142.20
6325.00	1.81	168.76	6321.94	-118.20	-118.46	91.45	0.36	149.65	142.33
6350.00	1.88	169.19	6346.93	-118.99	-119.25	91.61	0.25	150.37	142.47
6375.00	1.77	163.18	6371.92	-119.76	-120.02	91.80	0.87	151.10	142.59
6400.00	1.71	171.92	6396.91	-120.50	-120.76	91.96	1.09	151.79	142.71
6425.00	1.87	180.88	6421.89	-121.28	-121.54	92.01	1.30	152.43	142.87
6450:00	1.71	178.40	6446.88	-122.06	-122.32	92.01	0.72	153.06	143.05

MD	INC	AZIM	TVL	VS	TVS	TEAW	DLS	CLOSURE	CLOSURE
ft	deg	deg	ft	ft	ft	ft	/100ft	DIST	DIR
6475.00	1.61	194.51	6471.87	-122.77	-123.03	91.93	1.90	153.58	143.23
6500.00	1.66	201.90	6496.86	-123.45	-123.70	91.71	0.87	153.99	143.45
6525.00	1.66	207.95	6521.85	-124.10	-124.36	91.41	0.70	154.34	143.68
6550.00	1.80	209.81	6546.84	-124.76	-125.02	91.04	0.61	154.65	143.94
6575.00	1.69	211.28	6571.83	-125.42	-125.67	90.66	0.46	154.96	144.19
6600.00	1.64	221.10	6596.82	-126.00	-126.26	90.23	1.16	155.18	144.45
6625.00	1.76	216.58	6621.81	-126.58	-126.84	89.76	0.72	155.39	144.71
6650.00	1.50	213.25	6646.80	-127.17	-127.42	89.35	1.10	155.63	144.96
6675.00	1.67	218.28	6671.79	-127.73	-127.98	88.95	0.87	155.85	145.20
6700.00	1.76	216.78	6696.78	-128.33	-128.57	88.49	0.41	156.08	145.46
6725.00	1.89	216.77	6721.76	-128.97	-129.21	88.02	0.52	156.34	145.74
6750.00	1.77	216.54	6746.75	-129.61	-129.85	87.54	0.49	156.60	146.01
6775.00	1.64	223.08	6771.74	-130.18	-130.42	87.06	0.94	156.81	146.28
6800.00	1.81	228.39	6796.73	-130.71	-130.95	86.52	0.94	156.95	146.54
6825.00	1.92	221.46	6821.71	-131.28	-131.52	85.95	1.01	157.12	146.84
6850.00	1.66	225.35	6846.70	-131.85	-132.09	85.42	1.17	157.30	147.11
6875.00	1.82	230.72	6871.69	-132.36	-132.60	84.85	0.91	157.42	147.38
6900.00	1.94	225.25	6896.68	-132.91	-133.15	84.25	0.86	157.56	147.68
6925.00	1.91	227.14	6921.66	-133.49	-133.73	83.64	0.27	157.73	147.98
6950.00	2.01	218.80	6946.65	-134.12	-134.35	83.06	1.21	157.95	148.27
6975.00	1.78	216.42	6971.63	-134.78	-135.01	82.55	0.97	158.25	148.56
7000.00	1.79	220.05	6996.62	-135.39	-135.62	82.07	0.46	158.52	148.82
7025.00	1.84	214.32	7021.61	-136.02	-136.25	81.59	0.75	158.81	149.08
7050.00	1.64	217.73	7046.60	-136.64	-136.87	81.15	0.92	159.11	149.34
7075.00	1.68	223.25	7071.59	-137.19	-137.41	80.68	0.66	159.35	149.58
7100.00	1.76	216.77	7096.58	-137.76	-137.99	80.20	0.84	159.60	149.84
7125.00	1.54	212.05	7121.57	-138.36	-138.58	79.79	1.03	159.91	150.07
7150.00	1.48	221.47	7146.56	-138.88	-139.11	79.40	1.02	160.17	150.28
7175.00	1.48	214.94	7171.55	-139.39	-139.61	79.00	0.67	160.41	150.50
7200.00	1.49	211.07	7196.54	-139.94	-140.16	78.65	0.40	160.72	150.70
7225.00	1.39	205.30	7221.53	-140.49	-140.71	78.35	0.70	161.05	150.89
7250.00	1.32	205.88	7246.53	-141.03	-141.24	78.09	0.29	161.40	151.06

MD	INC	AZIM	IVD	VS	INVS	FE/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
7275.00	1.37	217.52	7271.52	-141.52	-141.74	77.79	1.11	161.68	151.24
7300.00	1.35	225.23	7296.51	-141.97	-142.18	77.40	0.73	161.88	151.44
7325.00	1.16	224.21	7321.51	-142.36	-142.57	77.01	0.74	162.04	151.62
7350.00	1.18	231.01	7346.50	-142.70	-142.92	76.63	0.56	162.17	151.80
7375.00	1.48	230.59	7371.49	-143.07	-143.28	76.18	1.20	162.28	152.00
7400.00	1.33	226.30	7396.49	-143.48	-143.69	75.73	0.72	162.42	152.21
7425.00	1.52	232.04	7421.48	-143.88	-144.09	75.25	0.96	162.56	152.42
7450.00	1.77	228.29	7446.47	-144.34	-144.55	74.70	1.07	162.72	152.67
7475.00	1.84	219.28	7471.46	-144.91	-145.12	74.16	1.17	162.97	152.93
7500.00	1.63	217.79	7496.45	-145.51	-145.71	73.69	0.86	163.29	153.17
7525.00	1.46	209.70	7521.44	-146.07	-146.27	73.31	1.11	163.62	153.38
7550.00	1.49	209.24	7546.43	-146.63	-146.83	73.00	0.13	163.98	153.57
7575.00	1.36	199.35	7571.42	-147.19	-147.39	72.74	1.11	164.37	153.73
7600.00	1.15	185.86	7596.41	-147.72	-147.92	72.62	1.45	164.79	153.85
7625.00	0.83	166.18	7621.41	-148.14	-148.35	72.63	1.83	165.18	153.91
7650.00	0.65	153.16	7646.41	-148.45	-148.65	72.74	1.00	165.49	153.93
7675.00	0.65	155.43	7671.41	-148.70	-148.90	72.86	0.10	165.78	153.93
7700.00	0.67	152.36	7696.41	-148.96	-149.16	72.99	0.17	166.06	153.93
7725.00	0.49	160.92	7721.40	-149.19	-149.39	73.09	0.79	166.32	153.93
7750.00	0.60	173.75	7746.40	-149.42	-149.63	73.14	0.65	166.55	153.95
7775.00	0.39	187.22	7771.40	-149.64	-149.84	73.15	0.96	166.74	153.98
7800.00	0.43	217.11	7796.40	-149.80	-150.00	73.08	0.87	166.86	154.03
7825.00	0.71	203.48	7821.40	-150.02	-150.22	72.96	1.22	167.00	154.09
7850.00	0.54	205.68	7846.40	-150.26	-150.47	72.85	0.67	167.18	154.17
7875.00	0.70	211.16	7871.40	-150.50	-150.71	72.72	0.67	167.33	154.24
7900.00	0.93	200.42	7896.39	-150.82	-151.03	72.57	1.11	167.56	154.34
7925.00	0.82	199.60	7921.39	-151.18	-151.39	72.44	0.46	167.82	154.43
7950.00	0.79	227.39	7946.39	-151.47	-151.67	72.25	1.55	168.00	154.53
7975.00	1.17	233.33	7971.39	-151.74	-151.94	71.92	1.59	168.10	154.67
8000.00	1.23	235.72	7996.38	-152.04	-152.24	71.49	0.31	168.19	154.85
8025.00	1.21	249.64	8021.37	-152.29	-152.48	71.02	1.18	168.21	155.02
8050.00	1.43	252.66	8046.37	-152.47	-152.67	70.48	0.93	168.15	155.22

MD	INC	AZIM	TVD	VS	NVS	HE/W	DLS	CLOSURE	CLOSURE
ft	deg	deg	ft	ft	ft	ft	/100ft	DIST	DIR
8075.00	1.60	243.75	8071.36	-152.72	-152.92	69.87	1.17	168.12	155.44
8100.00	1.33	247.43	8096.35	-152.99	-153.18	69.29	1.15	168.12	155.66
8125.00	1.52	254.47	8121.34	-153.19	-153.38	68.70	1.03	168.07	155.87
8150.00	1.82	252.62	8146.33	-153.40	-153.59	68.00	1.21	167.97	156.12
8175.00	1.76	247.93	8171.32	-153.66	-153.85	67.27	0.63	167.92	156.38
8200.00	1.60	250.46	8196.31	-153.93	-154.11	66.59	0.70	167.88	156.63
8225.00	1.87	256.63	8221.30	-154.14	-154.32	65.86	1.29	167.79	156.89
8250.00	1.99	252.94	8246.28	-154.36	-154.54	65.05	0.70	167.68	157.11
8275.00	1.60	254.78	8271.27	-154.58	-154.76	64.30	1.57	167.59	157.44
8300.00	1.55	270.03	8296.26	-154.68	-154.86	63.62	1.68	167.42	157.66
8325.00	1.75	267.37	8321.25	-154.70	-154.87	62.90	0.84	167.16	157.89
8350.00	1.71	263.36	8346.24	-154.76	-154.93	62.15	0.50	166.93	158.14
8375.00	1.46	268.44	8371.23	-154.81	-154.98	61.46	1.14	166.73	158.37
8400.00	1.45	273.85	8396.22	-154.80	-154.97	60.83	0.55	166.48	158.57
8425.00	1.50	263.24	8421.21	-154.82	-154.99	60.19	1.12	166.27	158.78
8450.00	1.06	248.64	8446.21	-154.95	-155.11	59.65	2.20	166.19	158.97
8475.00	1.01	266.75	8471.20	-155.04	-155.21	59.21	1.31	166.12	159.12
8500.00	1.17	258.71	8496.20	-155.11	-155.27	58.74	0.91	166.01	159.28
8525.00	0.96	257.71	8521.20	-155.20	-155.37	58.29	0.84	165.94	159.44
8550.00	0.98	274.50	8546.19	-155.23	-155.39	57.87	1.13	165.82	159.57
8575.00	0.85	258.23	8571.19	-155.25	-155.42	57.47	1.14	165.70	159.71
8600.00	0.59	247.72	8596.19	-155.34	-155.50	57.17	1.16	165.68	159.81
8625.00	0.38	295.97	8621.19	-155.36	-155.52	56.98	1.77	165.62	159.88
8650.00	0.68	284.04	8646.18	-155.28	-155.44	56.76	1.25	165.48	159.94
8675.00	0.59	261.96	8671.18	-155.27	-155.42	56.49	1.03	165.37	160.03
8700.00	0.41	271.03	8696.18	-155.28	-155.44	56.27	0.79	165.31	160.10
8725.00	0.74	287.14	8721.18	-155.23	-155.39	56.03	1.47	165.18	160.17
8740.00	0.91	297.57	8736.18	-155.15	-155.31	55.83	1.50	165.04	160.23