

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-102

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240
Phone (575) 393-8161 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 Ed., Aztec, NM 87410
Phone (505) 334-8178 Fax: (505) 334-8170

DISTRICT IV

1226 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

DEC 16 2019

Revised August 1, 2011

Submit one copy to appropriate District Office

OIL CONSERVATION DIVISION

1226 South St. Francis Dr.
Santa Fe, New Mexico 87505

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

As-Drilled

API Number 30-015-44709	Pool Code 97565	Pool Name N. Seven Rivers; Glorieta-Yeso
Property Code 325855	Property Name HUBER FEDERAL	Well Number 11H
OGRID No. 328947	Operator Name Spur Energy Partners, LLC	Elevation 3504'

Surface Location

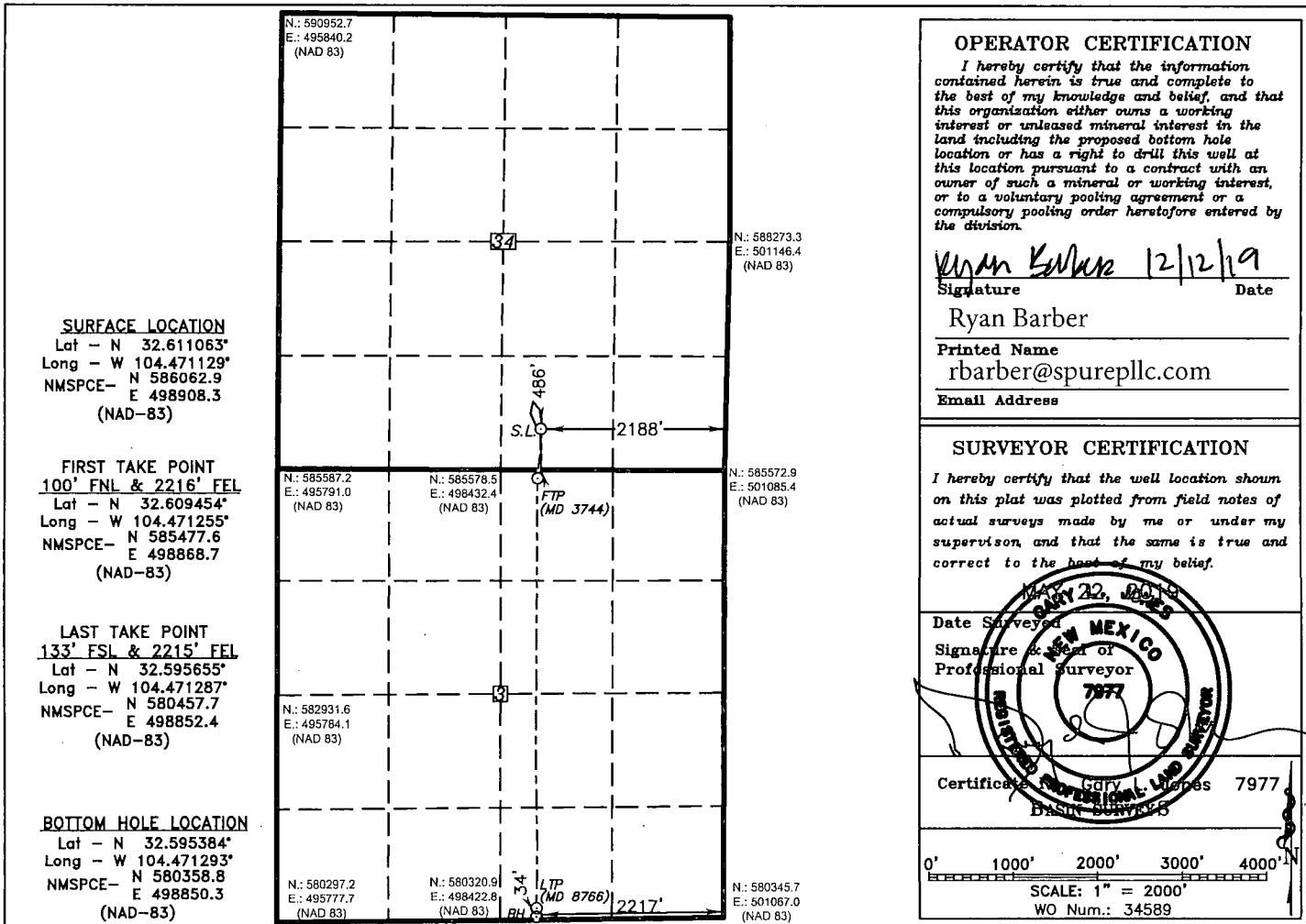
UL or lot No.	Section	Township	Range	Lot Idn	FEET from the	North/South line	FEET from the	East/West line	County
0	34	19 S	25 E		486	SOUTH	2188	EAST	EDDY

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
0	3	20 S	25 E		34	SOUTH	2217	EAST	EDDY

Dedicated Acres	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



Rev 4/28/20

Intent As Drilled

API #
30-015-44709

Operator Name: SPUR ENERGY PARTNERS LLC	Property Name: HUBER FEDERAL	Well Number 11H
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Kick Off Point (KOP)

UL O	Section 34	Township 19S	Range 25E	Lot	Feet 798	From N/S NORTH	Feet 2208	From E/W EAST	County EDDY
Latitude 32.611987					Longitude -104.471233			NAD NAD83	

First Take Point (FTP)

UL B	Section 3	Township 20S	Range 25E	Lot	Feet 100	From N/S NORTH	Feet 2216	From E/W EAST	County EDDY
Latitude 32.609454					Longitude -104.471255			NAD NAD83	

Last Take Point (LTP)

UL O	Section 3	Township 20S	Range 25E	Lot	Feet 133	From N/S SOUTH	Feet 2215	From E/W EAST	County EDDY
Latitude 32.595655					Longitude -104.471287			NAD NAD83	

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

Is this well an infill well?

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

API #

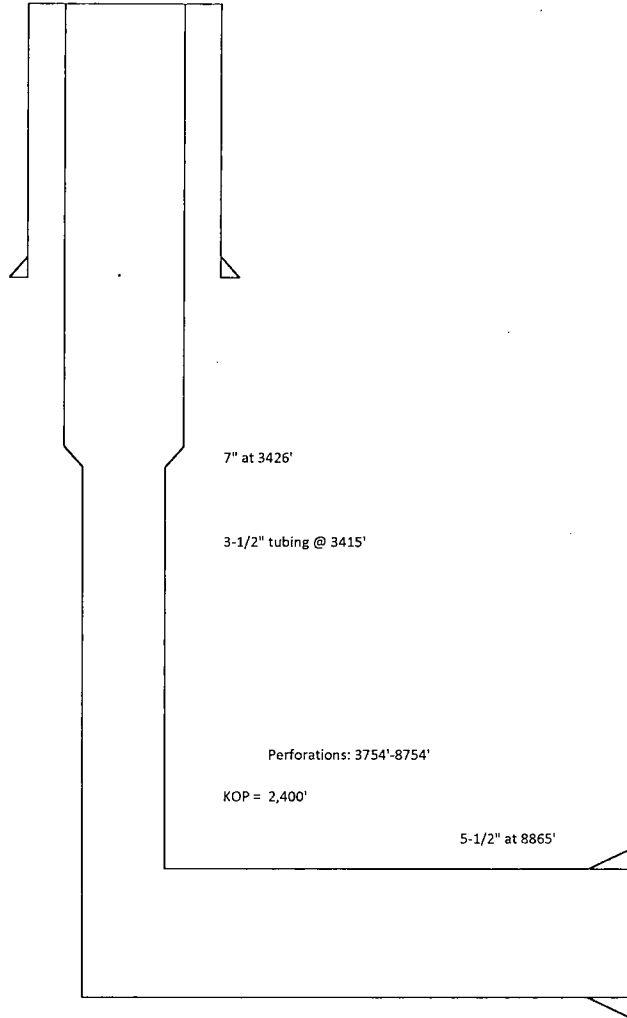
Operator Name:	Property Name:	Well Number
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API #	30-015-44709
Operator	SPUR ENERGY PARTNERS LLC
Field	North Seven Rivers; Glorieta-Yeso
Spud Date	5/2/2019

HUBER FEDERAL 11H

County, ST	Eddy, NM
Sec-Twn-Rng	34-19S-25E
Footage	486' FSL, 2188' FEL
Survey	

GL	3504'
Hole Size	12-1/4"
TOC	Surf
Method	Circ Returns
Csg Depth	1297'
Size	9-5/8"
Weight	36ppf
Grade	J-55
Connections	BTC
Cement	surface



Hole Size	8-3/4"
TOC	Surf
Method	Circ Returns

Csg Depth	8865'	3426'
Size	5-1/2"	7"
Weight	20ppf	32ppf
Grade	L-80	L-80
Connections	BTC	BTC
Cement	surface	

PBTD	8806'
TD MD	8865'
TD TVD	3147'



NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 16 2019

RECEIVED

I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **05/02/19** thru **05/11/19** conduct or supervise the taking of a **MWD Survey** from a depth of **136'** to a depth of **8865'**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Wellbenders Directional Services**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **Percussion Petroleum, LLC** for the **Huber Federal 11H** API No. **30-015-44709** in **Eddy County, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by **Wellbenders Directional Services**.

Larry Wright

Larry Wright
Digitally signed
by Larry Wright
Date:
2019.12.13
10:05:42 -06'00'



Company: Percussion Petroleum, LLC
 Project: Eddy County, NM
 Site: Huber Fed
 Well: 11H
 Wellbore: OH
 Rig: Akita 20
 Design: OH / 12:24, May 13 2019



TOTAL CORRECTION
 Magnetic North is 7.313° East of Grid North (Magnetic Convergence)
 To convert a Magnetic Direction to a Grid Direction, Add 7.313°

DESIGN TARGET DETAILS

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
Final Bit Proj. @ 8865' MD	3147.38	-5704.08	-58.03	580358.82	498850.27	32.595384	-104.471293

WELL DETAILS: 11H

RKB=15' @ 3520.00usft (Akita 20)							
3504.00							
+N-S	+E-W	Northing	Easting	Latitude	Longitude		
0.00	0.00	585062.90	498908.30	32.611063	-104.471129		

PROJECT DETAILS: Eddy County, NM

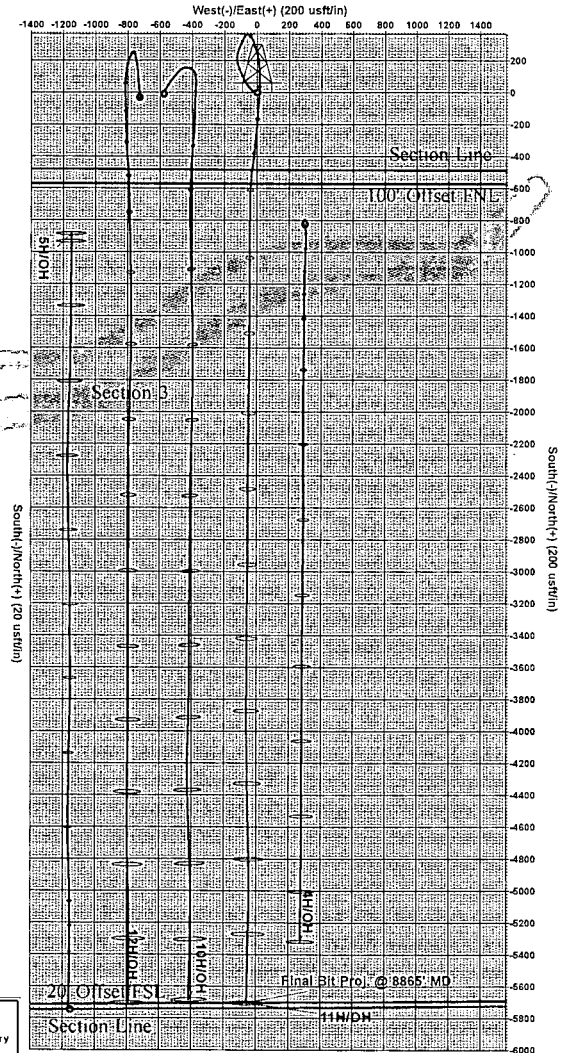
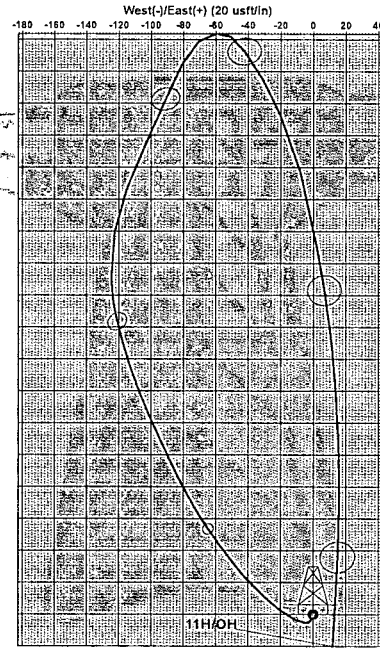
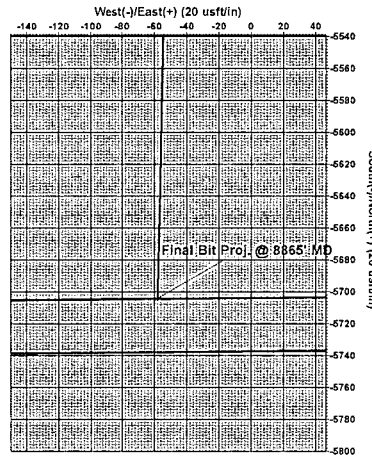
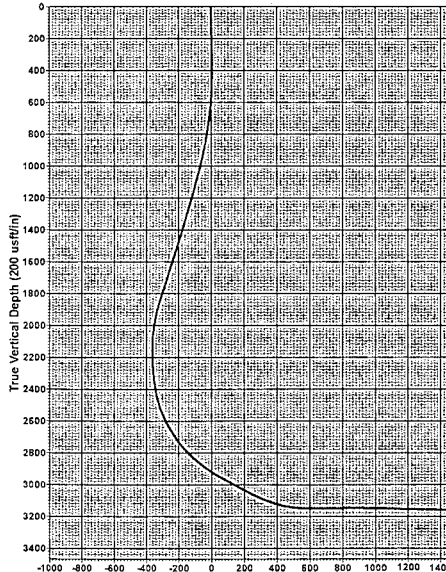
Geodetic System: US State Plane-1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone
 System Datum: Mean Sea Level

Azimuths to Grid North
 True North: 0.07°
 Magnetic North: 7.31°

Magnetic Field
 Strength: 47917.1snT
 Dip Angle: 60.25°
 Date: 12/10/2018
 Model: IGRF2015

ANNOTATION DETAILS

MD	Inc	Azi	TVD	+N-S	+E-W	Vsect	Departure	Annotation
8865.00	92.48	181.25	3147.38	-5704.08	-58.03	5704.21	6528.40	Final Station Closure Distance= 5704.37 /Direction= 180.58
8865.00	92.48	181.25	3147.38	-5704.08	-58.03	5704.21	6528.40	Projection to Bit: 8865.00' MD/ 3147.38' TVD
8865.00	92.48	181.25	3147.38	-5704.08	-58.03	5704.21	6528.40	TD: Latitude = 32.595384 / Longitude = -104.471293
8865.00	92.48	181.25	3147.38	-5704.08	-58.03	5704.21	6528.40	TD: Y= 580358.82 / X= 498850.27



Final Station Closure Distance= 5704.37 /Direction= 180.58
 Projection to Bit: 8865.00' MD/ 3147.38' TVD
 TD: Latitude = 32.595384 / Longitude = -104.471293
 TD: Y= 580358.82 / X= 498850.27

Disclaimer:
 All Plan Details, boundary lines and offset well location/ survey data is provided by customer and subject to customer approval.

Design: OH (11H/OH) Akita 20
 Created By: Derek Stephens Date: 12:24, May 13 2019



Survey Report

Service Company: Wellbenders

Location:

Well: Huber Fed 11H

Rig: Akita 20

API or UWI: 30-015-44709

Job Number: NM-19-1014

State: NM

Operating Company: Spur Energy Partners LLC

County: Eddy

Magnetic Declination: 0.00

Country: USA

Proposed Azimuth: 180.54

Comment

North Reference: GRID

Latitude: 32.611121

Longitude: -104.46795

Tie-In Data

MD	Inclination	Azimuth	TVD	NS	EW
0.00	0.00	0.00	0.00	0.00	0.00

Survey Data

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
136.00	0.97	193.38	135.99	-1.12	-0.27	193.38	1.15	1.12	0.71
227.00	1.01	210.08	226.98	-2.56	-0.85	198.28	2.70	2.57	0.32
319.00	1.67	215.17	318.95	-4.36	-2.03	204.91	4.81	4.38	0.73
410.00	2.90	277.05	409.89	-5.16	-5.07	224.51	7.24	5.21	2.83
501.00	4.70	294.80	500.69	-3.32	-10.74	252.85	11.24	3.42	2.34
592.00	6.42	306.14	591.26	1.25	-18.24	273.92	18.28	-1.08	2.23
681.00	9.19	311.77	679.43	8.92	-27.56	287.93	28.97	-8.66	3.23
772.00	11.52	317.13	768.94	20.42	-39.16	297.54	44.17	-20.05	2.77
862.00	13.41	322.84	856.82	35.33	-51.58	304.41	62.52	-34.84	2.50
954.00	14.81	326.18	946.05	53.60	-64.57	309.70	83.92	-52.99	1.76
1046.00	16.35	331.63	1034.67	74.76	-77.27	314.06	107.52	-74.03	2.31
1136.00	16.70	335.15	1120.95	97.65	-88.72	317.74	131.93	-96.80	1.18
1228.00	16.48	335.67	1209.12	121.53	-99.66	320.65	157.16	-120.59	0.29
1242.00	16.57	335.76	1222.54	125.16	-101.29	321.02	161.01	-124.20	0.67
1454.00	17.36	346.75	1425.37	183.53	-120.96	326.61	219.80	-182.38	1.56
1549.00	17.45	358.61	1516.05	211.57	-124.55	329.51	245.51	-210.39	3.73

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
1643.00	17.23	9.69	1605.80	239.39	-122.55	332.89	268.94	-238.23	3.52
1738.00	18.42	20.85	1696.27	267.30	-114.84	336.75	290.92	-266.20	3.80
1833.00	19.52	24.89	1786.11	295.72	-102.82	340.83	313.09	-294.74	1.80
1927.00	17.01	22.17	1875.37	322.70	-91.02	344.25	335.29	-321.83	2.82
2020.00	12.97	28.41	1965.19	344.49	-80.91	346.78	353.87	-343.71	4.67
2115.00	8.53	46.69	2058.53	358.71	-70.71	348.85	365.62	-358.03	5.84
2209.00	6.86	87.91	2151.74	363.70	-60.01	350.63	368.62	-363.12	5.98
2305.00	4.75	122.98	2247.28	361.75	-50.95	351.98	365.32	-361.25	4.20
2400.00	10.64	143.37	2341.39	352.56	-42.41	353.14	355.10	-352.14	6.74
2494.00	13.45	150.05	2433.32	336.12	-31.77	354.60	337.62	-335.80	3.33
2587.00	19.74	156.38	2522.41	312.33	-20.06	356.32	312.98	-312.13	7.03
2682.00	27.03	164.99	2609.57	276.72	-8.02	358.34	276.84	-276.64	8.46
2777.00	34.20	169.73	2691.29	229.53	2.34	0.58	229.55	-229.55	7.96
2823.00	37.10	171.14	2728.66	203.10	6.78	1.91	203.21	-203.15	6.55
2871.00	40.40	173.51	2766.10	173.33	10.77	3.56	173.66	-173.42	7.54
2918.00	43.69	175.80	2801.00	142.00	13.69	5.51	142.66	-142.12	7.72
2966.00	47.30	178.00	2834.64	107.82	15.52	8.19	108.93	-107.96	8.20
3012.00	49.98	180.37	2865.03	73.31	15.99	12.31	75.03	-73.46	6.99
3060.00	52.84	182.57	2894.97	35.81	15.02	22.75	38.83	-35.95	6.95
3107.00	55.96	183.18	2922.33	-2.35	13.10	100.18	13.30	2.23	6.72
3154.00	59.65	183.97	2947.37	-42.04	10.61	165.84	43.36	41.94	7.98
3201.00	60.70	184.06	2970.74	-82.71	7.75	174.64	83.08	82.64	2.24
3248.00	60.92	184.15	2993.67	-123.64	4.82	177.77	123.73	123.59	0.50
3295.00	61.32	184.24	3016.36	-164.68	1.81	179.37	164.69	164.66	0.87
3343.00	61.80	184.32	3039.22	-206.77	-1.34	180.37	206.78	206.78	1.01
3390.00	62.24	184.59	3061.27	-248.15	-4.57	181.05	248.20	248.19	1.06
3438.00	64.84	184.85	3082.66	-290.98	-8.10	181.60	291.09	291.04	5.44
3485.00	68.92	185.82	3101.11	-334.00	-12.13	182.08	334.22	334.10	8.89
3533.00	72.18	187.23	3117.09	-378.96	-17.28	182.61	379.36	379.11	7.33
3580.00	76.31	187.05	3129.85	-423.84	-22.90	183.09	424.46	424.04	8.79
3627.00	80.31	187.05	3139.37	-469.51	-28.54	183.48	470.37	469.75	8.51
3674.00	84.31	186.26	3145.66	-515.76	-33.94	183.76	516.88	516.06	8.67
3722.00	88.75	184.41	3148.57	-563.45	-38.39	183.90	564.76	563.79	10.02
3769.00	89.49	182.13	3149.29	-610.36	-41.07	183.85	611.75	610.72	5.10
3816.00	90.02	180.90	3149.49	-657.35	-42.31	183.68	658.71	657.72	2.85
3911.00	91.47	180.81	3148.25	-752.33	-43.73	183.33	753.60	752.70	1.53
4006.00	90.37	180.63	3146.73	-847.30	-44.92	183.04	848.49	847.69	1.17

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
4100.00	88.04	180.02	3148.03	-941.29	-45.46	182.76	942.38	941.67	2.56
4194.00	89.36	180.11	3150.17	-1035.26	-45.56	182.52	1036.26	1035.64	1.41
4289.00	87.43	180.02	3152.83	-1130.22	-45.67	182.31	1131.14	1130.60	2.03
4384.00	88.66	179.75	3156.07	-1225.16	-45.48	182.13	1226.01	1225.54	1.33
4479.00	89.67	180.19	3157.45	-1320.15	-45.43	181.97	1320.93	1320.52	1.16
4574.00	88.70	180.19	3158.80	-1415.14	-45.75	181.85	1415.88	1415.51	1.02
4668.00	89.32	180.28	3160.43	-1509.12	-46.13	181.75	1509.83	1509.49	0.67
4762.00	87.65	180.02	3162.91	-1603.09	-46.38	181.66	1603.76	1603.45	1.80
4886.00	87.60	180.72	3168.05	-1726.98	-47.18	181.56	1727.62	1727.34	0.57
4980.00	87.74	181.34	3171.87	-1820.88	-48.87	181.54	1821.54	1821.26	0.68
5075.00	87.03	180.19	3176.21	-1915.77	-50.13	181.50	1916.43	1916.16	1.42
5169.00	87.16	180.37	3180.97	-2009.65	-50.59	181.44	2010.29	2010.04	0.24
5264.00	87.52	180.72	3185.38	-2104.55	-51.50	181.40	2105.18	2104.94	0.53
5358.00	88.18	180.90	3188.91	-2198.47	-52.82	181.38	2199.10	2198.87	0.73
5453.00	86.81	180.11	3193.06	-2293.37	-53.66	181.34	2294.00	2293.78	1.66
5548.00	87.38	180.37	3197.87	-2388.25	-54.06	181.30	2388.86	2388.65	0.66
5643.00	88.53	180.37	3201.26	-2483.18	-54.67	181.26	2483.79	2483.59	1.21
5738.00	90.59	179.84	3201.99	-2578.18	-54.85	181.22	2578.76	2578.58	2.24
5833.00	90.81	180.19	3200.83	-2673.17	-54.87	181.18	2673.73	2673.57	0.44
5928.00	91.08	180.63	3199.26	-2768.15	-55.55	181.15	2768.71	2768.55	0.54
6023.00	89.14	179.67	3199.08	-2863.15	-55.80	181.12	2863.69	2863.55	2.28
6117.00	89.67	180.11	3200.06	-2957.14	-55.62	181.08	2957.66	2957.53	0.73
6211.00	89.93	180.28	3200.39	-3051.14	-55.94	181.05	3051.65	3051.53	0.33
6305.00	90.42	180.90	3200.10	-3145.13	-56.91	181.04	3145.65	3145.53	0.84
6396.00	90.59	180.63	3199.30	-3236.12	-58.12	181.03	3236.64	3236.53	0.35
6488.00	91.21	180.98	3197.85	-3328.10	-59.41	181.02	3328.63	3328.51	0.77
6580.00	91.25	180.02	3195.88	-3420.07	-60.22	181.01	3420.60	3420.49	1.04
6671.00	91.30	179.84	3193.85	-3511.05	-60.10	180.98	3511.57	3511.46	0.21
6762.00	91.47	180.72	3191.65	-3602.02	-60.55	180.96	3602.53	3602.43	0.98
6853.00	90.68	180.28	3189.95	-3693.00	-61.34	180.95	3693.51	3693.42	0.99
6942.00	91.08	180.19	3188.58	-3781.99	-61.71	180.93	3782.50	3782.41	0.46
7033.00	91.25	180.46	3186.73	-3872.97	-62.22	180.92	3873.47	3873.39	0.35
7123.00	90.07	179.40	3185.69	-3962.96	-62.11	180.90	3963.45	3963.37	1.76
7215.00	90.55	178.96	3185.19	-4054.95	-60.80	180.86	4055.41	4055.34	0.71
7307.00	91.21	179.05	3183.78	-4146.93	-59.20	180.82	4147.35	4147.30	0.72
7396.00	91.30	179.14	3181.83	-4235.89	-57.79	180.78	4236.29	4236.25	0.14
7488.00	91.60	179.05	3179.50	-4327.85	-56.34	180.75	4328.22	4328.19	0.34

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
7583.00	89.71	179.05	3178.42	-4422.83	-54.77	180.71	4423.17	4423.15	1.99
7677.00	89.41	179.05	3179.14	-4516.81	-53.21	180.67	4517.13	4517.11	0.32
7772.00	90.46	178.96	3179.25	-4611.80	-51.56	180.64	4612.09	4612.08	1.11
7866.00	90.81	178.44	3178.21	-4705.77	-49.43	180.60	4706.03	4706.02	0.67
7961.00	91.21	178.79	3176.53	-4800.72	-47.13	180.56	4800.96	4800.95	0.56
8055.00	91.43	179.31	3174.37	-4894.69	-45.57	180.53	4894.90	4894.90	0.60
8149.00	92.13	179.67	3171.45	-4988.64	-44.74	180.51	4988.84	4988.84	0.84
8244.00	91.21	181.16	3168.68	-5083.59	-45.42	180.51	5083.79	5083.79	1.84
8337.00	91.69	181.34	3166.32	-5176.54	-47.45	180.53	5176.75	5176.75	0.55
8432.00	92.13	181.86	3163.16	-5271.45	-50.10	180.54	5271.68	5271.68	0.72
8526.00	92.04	180.72	3159.74	-5365.36	-52.22	180.56	5365.61	5365.61	1.22
8620.00	91.78	180.72	3156.60	-5459.30	-53.40	180.56	5459.56	5459.56	0.28
8714.00	91.96	181.07	3153.54	-5553.24	-54.87	180.57	5553.51	5553.51	0.42
8798.00	92.48	181.25	3150.28	-5637.16	-56.57	180.57	5637.44	5637.44	0.66

Projected Survey

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
8865.00	92.48	181.25	3147.38	-5704.08	-58.03	180.58	5704.37	5704.37	0.00