

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
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

OIL CONSERVATION DIVISION

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

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-102

Revised August 1, 2011

DEC 16 2019

Submit one copy to appropriate
District Office

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WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

AS-4-11112

API Number 30-015-44710	Pool Code 97565	Pool Name N. Seven Rivers; Glorieta-Yeso
Property Code 325855	Property Name HUBER FEDERAL	Well Number 12H
OGRID No. 328947	Operator Name Spur Energy Partners, LLC	Elevation 3510'

Surface Location

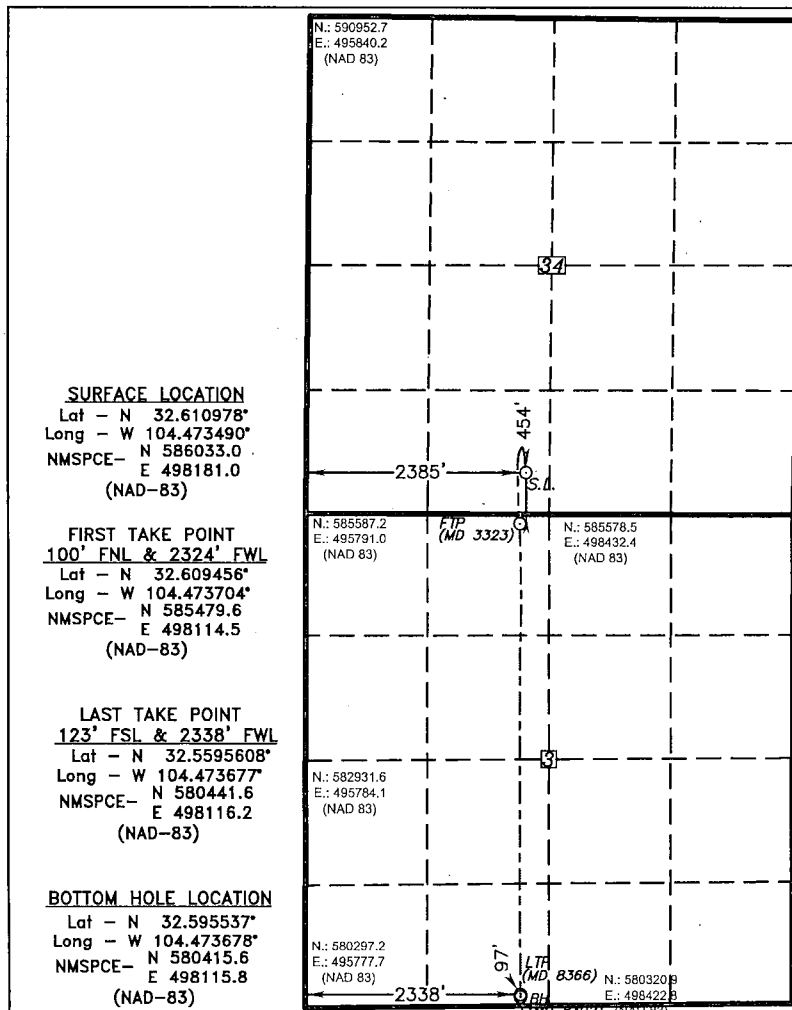
UL or lot No.	Section	Township	Range	Lot Idn	FEET from the	North/South line	FEET from the	East/West line	County
N	34	19 S	25 E		454	SOUTH	2385	WEST	EDDY

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
N	3	20 S	25 E		97	SOUTH	2338	WEST	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



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Ryan Barber Date 12/12/19

Printed Name Ryan Barber

Email Address rbarber@spurepllc.com

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.

Date Surveyed MAY 22, 2019
Signature & Seal of Professional Surveyor [Signature]
7977

Certificate No. 7977
Basin Basin

0' 1000' 2000' 3000' 4000'
SCALE: 1" = 2000'
WO Num.: 34590

Intent ☐ As Drilled ☒

API #
30-015-44710

Operator Name: SPUR ENERGY PARTNERS LLC	Property Name: HUBER FEDERAL	Well Number 12H
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Kick Off Point (KOP)

UL N	Section 34	Township 19S	Range 25E	Lot	Feet 727	From N/S SOUTH	Feet 2336	From E/W WEST	County EDDY
Latitude 32.612345					Longitude -104.473754			NAD NAD83	

First Take Point (FTP)

UL C	Section 3	Township 20S	Range 25E	Lot	Feet 100	From N/S NORTH	Feet 2324	From E/W WEST	County EDDY
Latitude 32.609456					Longitude -104.473704			NAD NAD83	

Last Take Point (LTP)

UL C	Section 3	Township 20S	Range 25E	Lot	Feet 123	From N/S SOUTH	Feet 2338	From E/W WEST	County EDDY
Latitude 32.5595608					Longitude -104.473677			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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KZ 06/29/2018

API #	30-015-44710
Operator	SPUR ENERGY PARTNERS LLC
Field	North Seven Rivers; Glorieta-Yeso
Spud Date	4/2/2019

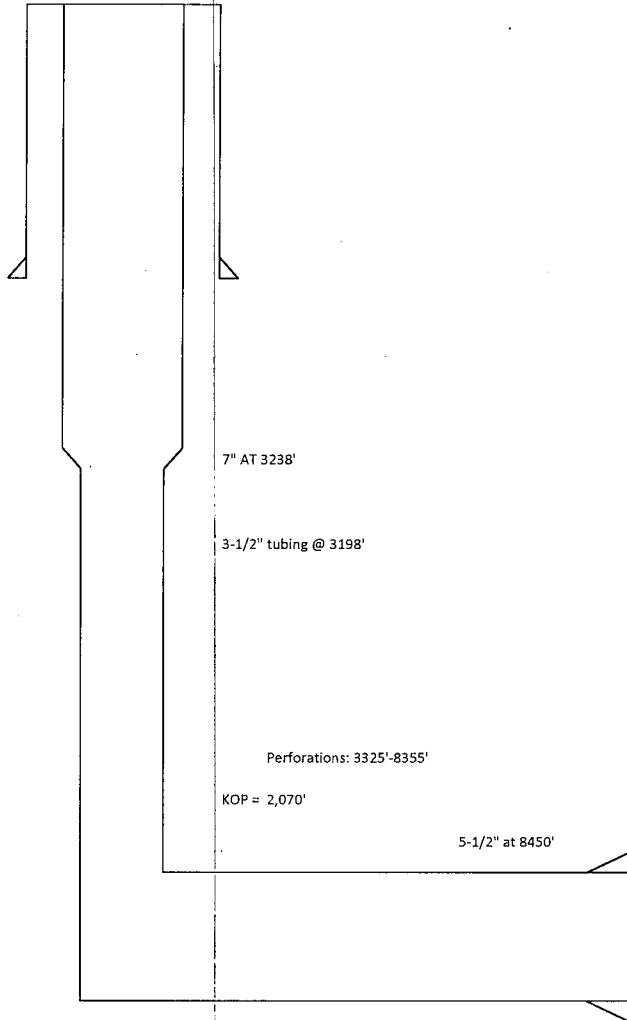
HUBER FEDERAL 12H

County, ST	Eddy, NM
Sec-Twn-Rng	34-19S-25E
Footage	454' FSL 2385' FWL
Survey	

GL	3510'
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Hole Size	12-1/4"
TOC	Surf
Method	Circ Returns

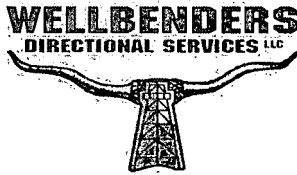
Csg Depth	1283'
Size	9-5/8"
Weight	36ppf
Grade	J-55
Connections	BTC
Cement	surface



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

Csg Depth	8450'	3238'
Size	5-1/2"	7"
Weight	20ppf	32ppf
Grade	L-80	L-80
Connections	BTC	BTC
Cement	surface	

PBTD	8390'
TD MD	8450'
TD TVD	2907'



NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 16 2019

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I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **04/02/19** thru **04/13/19** conduct or supervise the taking of a **MWD Survey** from a depth of **136'** to a depth of **8450'**; 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 12H** API No. **30-015-44710** 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
10:14:47 -06'00'

1125 Beach Airport Rd, Conroe, Texas

77301

PH 936-756-3225 FAX 936-756-3248



Company: Percussion Petroleum, LLC
Project: Eddy County, NM
Site: Huber Fed
Well: 12H
Wellbore: OH
Rig:
Design: Plan #7 / 6:40, April 12 2019



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

TOTAL CORRECTION
Magnetic North is 7.316° East of Grid North (Magnetic Convergence)
To convert a Magnetic Direction to a Grid Direction, Add 7.316°

WELL DETAILS: 12H

RKB=17' @ 3527.00usft

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	586033.00	498181.00	32.610978	-104.473491

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	300.00	0.00	360.00	300.00	0.00	0.00	0.00	0.00
3	726.48	12.79	353.07	722.94	47.07	-5.72	3.00	-47.06
4	1699.13	12.79	353.07	1671.44	260.89	-31.72	0.00	-260.81
5	2910.90	60.00	180.15	2708.24	-193.27	-52.12	6.00	193.40
6	3160.90	60.00	180.15	2833.24	-409.77	-52.70	0.00	409.91
7	3460.90	90.00	180.15	2910.00	-696.25	-53.46	10.00	696.39
8	8379.53	90.00	180.15	2910.00	-5614.86	-66.56	0.00	5615.01
9	8459.53	90.00	180.15	2910.00	-5694.86	-66.77	0.00	5695.02

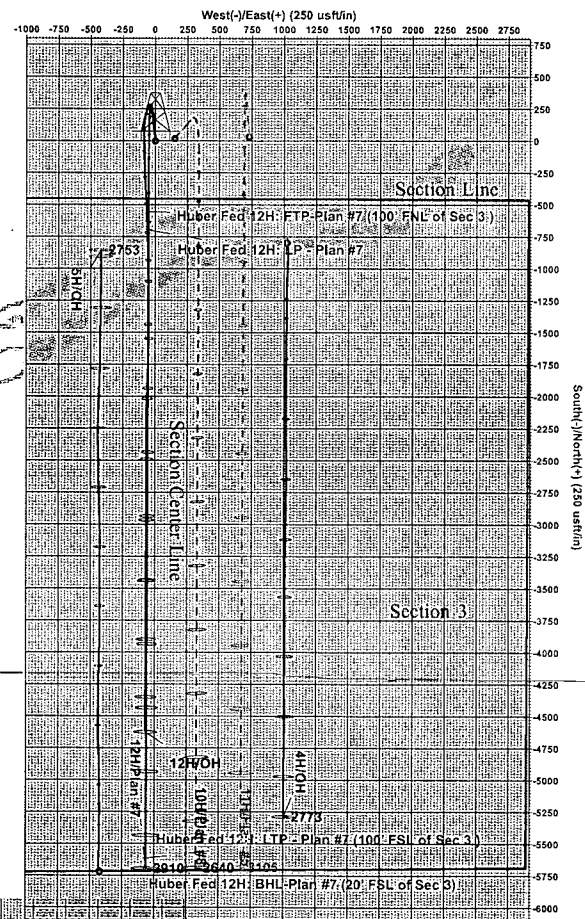
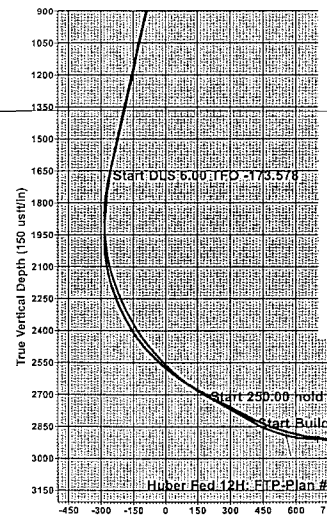
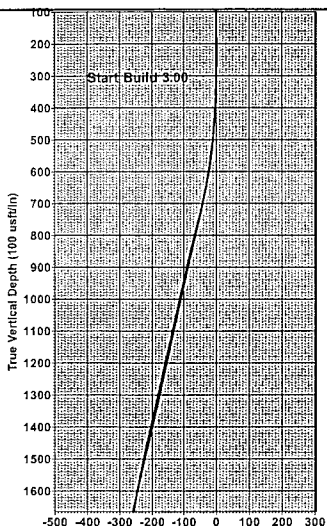
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Huber Fed 12H: FTP (100' FNL of Sec 3)	2888.41	-553.75	-23.08	585479.25	498157.92	Circle (Radius: 30.00)
Huber Fed 12H: FTP-Plan #7 (100' FNL of Sec 3)	2888.41	-553.50	-53.07	585479.50	498127.93	Point
Huber Fed 12H: BHL (20' FSL of Sec 3)	2910.00	-5694.20	-36.78	580338.80	498144.22	Point
Huber Fed 12H: BHL-Plan #7 (20' FSL of Sec 3)	2910.00	-5694.86	-66.77	580338.14	498114.23	Point
Huber Fed 12H: LP - Plan #6	2910.00	-696.25	-23.46	585336.75	498157.54	Circle (Radius: 30.00)
Huber Fed 12H: LP - Plan #7	2910.00	-696.25	-53.46	585336.75	498127.54	Point
Huber Fed 12H: LTP - Plan #7 (100' FSL of Sec 3)	2910.00	-5614.86	-66.55	580418.14	498114.45	Point
Huber Fed 12H: LTP (100' FSL of Sec 3)	2910.00	-5614.20	-36.57	580418.80	498144.43	Circle (Radius: 30.00)

Azimuths to Grid North
True North: 0.08°
Magnetic North: 7.32°
Magnetic Field Strength: 47916.7snT
Dip Angle: 60.25°
Date: 12/10/2018
Model: IGRF2015

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



Plan: Plan #7 (12H/OH)

Created By: Matthew May Date: 6:40, April 12 2019



Survey Report

Service Company: Wellbenders

Well: Huber Fed 12H

API or UWI: 30-015-44710

State: NM

County: Eddy

Country: USA

Comment

Location:

Rig: Akita 20

Job Number: NMDG2019-1115

Operating Company: Spur Energy Partners LLC

Magnetic Declination: 7.32

Proposed Azimuth: 180.15

North Reference: GRID

Latitude: -104.47349

Longitude: 32.610978

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	0.18	158.84	136.00	-0.20	0.08	158.84	0.21	0.20	0.13
228.00	0.31	155.76	228.00	-0.56	0.23	157.58	0.61	0.56	0.14
319.00	1.27	349.21	318.99	0.21	0.14	35.00	0.25	-0.21	1.73
412.00	3.08	351.50	411.92	3.69	-0.42	353.53	3.71	-3.69	1.95
503.00	5.71	1.87	502.65	10.63	-0.63	356.60	10.65	-10.63	3.01
592.00	8.62	357.65	590.94	21.72	-0.76	357.99	21.74	-21.72	3.32
683.00	12.04	355.80	680.46	38.01	-1.74	357.38	38.05	-38.00	3.78
774.00	13.58	356.07	769.19	58.13	-3.16	356.88	58.22	-58.13	1.69
864.00	13.32	354.66	856.72	79.00	-4.85	356.48	79.15	-78.98	0.47
955.00	13.10	355.01	945.31	99.71	-6.73	356.14	99.94	-99.69	0.26
1047.00	13.10	354.57	1034.92	120.47	-8.62	355.91	120.78	-120.45	0.11
1137.00	12.88	354.57	1122.61	140.61	-10.53	355.72	141.01	-140.59	0.24
1224.00	12.97	354.40	1207.41	159.98	-12.40	355.57	160.46	-159.95	0.11
1364.00	12.66	355.89	1343.92	190.92	-15.04	355.50	191.51	-190.88	0.32
1459.00	12.40	351.58	1436.66	211.40	-17.28	355.33	212.10	-211.35	1.02
1553.00	11.82	348.42	1528.57	230.81	-20.69	354.88	231.74	-230.76	0.94

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
1648.00	11.47	347.19	1621.62	249.55	-24.73	354.34	250.78	-249.49	0.45
1742.00	8.48	346.31	1714.18	265.40	-28.45	353.88	266.92	-265.33	3.18
1837.00	5.54	339.02	1808.47	276.49	-31.75	353.45	278.31	-276.41	3.23
1884.00	4.79	333.04	1855.28	280.36	-33.45	353.20	282.35	-280.27	1.96
1931.00	2.86	301.84	1902.17	282.73	-35.34	352.88	284.93	-282.64	5.90
1978.00	3.78	273.71	1949.10	283.45	-37.88	352.39	285.97	-283.35	3.92
2023.00	4.97	245.24	1993.97	282.73	-41.13	351.72	285.70	-282.62	5.42
2070.00	7.65	218.34	2040.69	279.42	-44.92	350.87	283.01	-279.30	8.34
2115.00	10.73	209.29	2085.11	273.42	-48.83	349.87	277.74	-273.29	7.54
2162.00	13.54	208.59	2131.06	264.77	-53.60	348.56	270.14	-264.63	5.99
2207.00	17.05	205.95	2174.45	254.21	-59.01	346.93	260.97	-254.05	7.95
2254.00	18.90	200.24	2219.16	240.87	-64.66	344.97	249.39	-240.70	5.43
2299.00	21.85	198.04	2261.34	226.06	-69.78	342.85	236.59	-225.88	6.77
2346.00	25.05	193.56	2304.46	208.07	-74.82	340.22	221.11	-207.87	7.79
2391.00	28.09	190.22	2344.70	188.37	-78.94	337.26	204.24	-188.17	7.52
2438.00	31.65	188.19	2385.45	165.27	-82.66	333.43	184.79	-165.05	7.87
2479.00	35.03	186.88	2419.70	142.94	-85.60	329.08	166.61	-142.71	8.43
2526.00	38.73	184.24	2457.29	114.87	-88.30	322.45	144.89	-114.64	8.56
2570.00	41.76	181.87	2490.88	86.49	-89.80	313.92	124.68	-86.25	7.71
2617.00	44.35	178.88	2525.22	54.41	-89.99	301.16	105.16	-54.18	7.02
2661.00	47.91	178.09	2555.71	22.71	-89.14	284.29	91.99	-22.48	8.19
2708.00	51.52	178.26	2586.09	-13.12	-88.00	261.52	88.98	13.35	7.69
2752.00	54.02	178.70	2612.71	-48.14	-87.08	241.07	99.50	48.37	5.74
2799.00	57.05	178.70	2639.31	-86.87	-86.20	224.78	122.38	87.10	6.45
2842.00	58.95	178.53	2662.09	-123.33	-85.32	214.68	149.96	123.55	4.43
2889.00	60.22	178.35	2685.89	-163.84	-84.21	207.20	184.22	164.06	2.72
2934.00	60.84	178.09	2708.02	-203.00	-82.99	202.24	219.31	203.22	1.47
2981.00	61.32	178.44	2730.75	-244.12	-81.75	198.51	257.45	244.33	1.21
3024.00	62.07	178.44	2751.14	-281.97	-80.72	195.97	293.29	282.18	1.74
3071.00	62.15	176.94	2773.13	-323.47	-79.04	193.73	332.99	323.68	2.83
3116.00	61.71	175.71	2794.30	-363.09	-76.50	191.90	371.07	363.29	2.60
3163.00	62.29	175.54	2816.37	-404.47	-73.33	190.28	411.07	404.66	1.27
3211.00	66.29	176.77	2837.19	-447.61	-70.44	188.94	453.12	447.80	8.65
3258.00	70.86	177.91	2854.35	-491.31	-68.42	187.93	496.05	491.48	9.98
3305.00	73.19	178.35	2868.86	-535.99	-66.96	187.12	540.15	536.16	5.04
3352.00	73.67	178.44	2882.26	-581.02	-65.70	186.45	584.72	581.19	1.04
3400.00	78.20	178.35	2893.92	-627.55	-64.40	185.86	630.84	627.71	9.44

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
3448.00	82.64	178.70	2901.91	-674.85	-63.18	185.35	677.80	675.01	9.28
3494.00	84.26	178.70	2907.15	-720.54	-62.14	184.93	723.21	720.70	3.52
3541.00	88.62	178.44	2910.07	-767.42	-60.97	184.54	769.84	767.58	9.29
3589.00	89.36	178.26	2910.92	-815.39	-59.59	184.18	817.57	815.54	1.59
3683.00	91.56	178.44	2910.16	-909.34	-56.88	183.58	911.12	909.49	2.35
3778.00	89.92	178.88	2908.94	-1004.31	-54.66	183.12	1005.79	1004.45	1.79
3873.00	90.46	179.32	2908.62	-1099.29	-53.17	182.77	1100.58	1099.43	0.73
3967.00	91.16	179.14	2907.29	-1193.27	-51.91	182.49	1194.40	1193.41	0.77
4038.00	90.29	179.85	2906.39	-1264.27	-51.28	182.32	1265.31	1264.40	1.58
4132.00	89.85	179.49	2906.28	-1358.26	-50.74	182.14	1359.21	1358.39	0.60
4226.00	90.55	179.85	2905.95	-1452.26	-50.20	181.98	1453.13	1452.39	0.84
4321.00	89.67	180.64	2905.77	-1547.26	-50.60	181.87	1548.09	1547.38	1.24
4416.00	89.89	181.34	2906.13	-1642.24	-52.25	181.82	1643.07	1642.37	0.77
4510.00	91.08	181.87	2905.34	-1736.20	-54.88	181.81	1737.07	1736.34	1.39
4606.00	89.19	181.52	2905.11	-1832.15	-57.72	181.80	1833.06	1832.30	2.00
4700.00	88.00	181.52	2907.42	-1926.09	-60.21	181.79	1927.03	1926.24	1.27
4793.00	88.75	181.43	2910.05	-2019.02	-62.60	181.78	2019.99	2019.18	0.81
4887.00	89.76	181.52	2911.28	-2112.98	-65.02	181.76	2113.98	2113.14	1.08
4982.00	88.84	180.28	2912.44	-2207.96	-66.52	181.73	2208.96	2208.13	1.63
5077.00	88.92	179.58	2914.29	-2302.94	-66.40	181.65	2303.90	2303.11	0.74
5172.00	88.44	179.58	2916.48	-2397.91	-65.70	181.57	2398.81	2398.08	0.51
5266.00	88.40	180.28	2919.07	-2491.88	-65.59	181.51	2492.74	2492.04	0.75
5361.00	88.70	179.93	2921.48	-2586.85	-65.76	181.46	2587.68	2587.01	0.49
5456.00	89.98	179.93	2922.57	-2681.84	-65.65	181.40	2682.64	2682.00	1.35
5551.00	91.21	180.55	2921.59	-2776.83	-66.04	181.36	2777.61	2776.99	1.45
5645.00	90.99	180.72	2919.78	-2870.81	-67.09	181.34	2871.59	2870.97	0.30
5740.00	89.98	180.02	2918.98	-2965.80	-67.70	181.31	2966.57	2965.97	1.29
5835.00	90.55	179.41	2918.54	-3060.80	-67.23	181.26	3061.53	3060.96	0.88
5929.00	91.03	180.28	2917.24	-3154.78	-66.97	181.22	3155.50	3154.95	1.06
6024.00	91.03	180.46	2915.53	-3249.77	-67.59	181.19	3250.47	3249.93	0.19
6119.00	90.86	180.02	2913.97	-3344.75	-67.98	181.16	3345.44	3344.92	0.50
6214.00	90.46	179.85	2912.87	-3439.75	-67.88	181.13	3440.42	3439.91	0.46
6306.00	90.51	179.76	2912.09	-3531.74	-67.56	181.10	3532.39	3531.91	0.11
6398.00	90.77	180.02	2911.07	-3623.74	-67.39	181.07	3624.36	3623.90	0.40
6489.00	90.24	180.02	2910.26	-3714.73	-67.42	181.04	3715.34	3714.90	0.58
6582.00	89.76	180.11	2910.26	-3807.73	-67.52	181.02	3808.33	3807.90	0.53
6673.00	90.33	180.20	2910.19	-3898.73	-67.77	181.00	3899.32	3898.90	0.63

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
6762.00	89.89	180.37	2910.02	-3987.73	-68.21	180.98	3988.31	3987.90	0.53
6853.00	89.85	180.64	2910.23	-4078.73	-69.01	180.97	4079.31	4078.89	0.30
6944.00	89.85	180.64	2910.47	-4169.72	-70.03	180.96	4170.31	4169.89	0.00
7034.00	90.07	180.72	2910.53	-4259.71	-71.10	180.96	4260.31	4259.89	0.26
7125.00	90.86	180.64	2909.79	-4350.70	-72.18	180.95	4351.30	4350.88	0.87
7216.00	90.46	180.64	2908.74	-4441.69	-73.20	180.94	4442.30	4441.87	0.44
7307.00	89.27	179.23	2908.96	-4532.69	-73.09	180.92	4533.28	4532.86	2.03
7399.00	89.01	179.23	2910.34	-4624.67	-71.86	180.89	4625.23	4624.84	0.28
7490.00	89.23	179.58	2911.74	-4715.65	-70.91	180.86	4716.19	4715.82	0.45
7581.00	89.14	178.44	2913.03	-4806.63	-69.34	180.83	4807.13	4806.79	1.26
7672.00	89.10	178.35	2914.43	-4897.58	-66.79	180.78	4898.04	4897.74	0.11
7762.00	88.53	179.14	2916.29	-4987.54	-64.82	180.74	4987.96	4987.69	1.08
7857.00	89.80	179.41	2917.67	-5082.52	-63.62	180.72	5082.92	5082.67	1.37
7952.00	91.78	179.93	2916.36	-5177.51	-63.07	180.70	5177.89	5177.65	2.15
8046.00	91.43	179.76	2913.73	-5271.47	-62.82	180.68	5271.84	5271.61	0.41
8140.00	91.08	180.02	2911.67	-5365.44	-62.64	180.67	5365.81	5365.59	0.46
8235.00	91.25	180.64	2909.74	-5460.42	-63.18	180.66	5460.79	5460.57	0.68
8329.00	90.99	180.72	2907.90	-5554.40	-64.30	180.66	5554.77	5554.55	0.29
8392.00	90.15	180.90	2907.28	-5617.39	-65.19	180.66	5617.77	5617.54	1.36

Projected Survey

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
8450.00	90.15	180.90	2907.12	-5675.38	-66.10	180.67	5675.77	5675.53	0.00