

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) 334-8170

DISTRICT IV
1226 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 475-3460 Fax: (505) 475-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

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

DEC 16 2019

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT
AS-DRI/KOL

API Number 30-015-45252		Pool Code 97565	Pool Name N. Seven Rivers; Glorieta-Yeso
Property Code 325894	Property Name ROSS RANCH 22		Well Number 9H
OGRID No. 328947	Operator Name Spur Energy Partners LLC		Elevation 3473'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	FEET from the	North/South line	FEET from the	East/West line	County
D	27	19 S	25 E		677	NORTH	557	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	22	19 S	25 E		16	NORTH	355	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

PROPOSED BOTTOM HOLE
Lat - N 32.653751°
Long - W 104.480034°
NMSPCE- N 601596.8
E 496187.6
(NAD-83)

LAST TAKE POINT
160 FNL & 352 FWL
Lat - N 32.653355°
Long - W 104.480043°
NMSPCE- N 601452.8
E 496184.8
(NAD-83)

FIRST TAKE POINT
100 FSL & 405 FWL
Lat - N 32.639366°
Long - W 104.479820°
NMSPCE- N 596363.3
E 496246.4
(NAD-83)

SURFACE LOCATION
Lat - N 32.637213°
Long - W 104.479324°
NMSPCE- N 595580.0
E 496397.9
(NAD-83)

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.

Ryan Barber
Signature _____ Date _____
Ryan Barber
Printed Name _____
rbarber@spurepllc.com
Email 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.

DATE SURVEYED: APR 12, 2019
Signature & Seal of Professional Surveyor
Certificate No. 7977
Cary, New Mexico
Bureau of Land Management

0' 500' 1000' 1500' 2000'
SCALE: 1" = 1000'
WO Num.: 34511

Rw 3-12-20

Intent ☐ As Drilled ☒

API #
30-015-45252

Operator Name: SPUR ENERGY PARTNERS LLC	Property Name: ROSS RANCH 22	Well Number 9H
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Kick Off Point (KOP)

UL D	Section 27	Township 19S	Range 25E	Lot	Feet 652	From N/S NORTH	Feet 568	From E/W WEST	County EDDY
Latitude 32.637282					Longitude -104.479287			NAD NAD83	

First Take Point (FTP)

UL M	Section 22	Township 19S	Range 25E	Lot	Feet 100	From N/S SOUTH	Feet 405	From E/W WEST	County EDDY
Latitude 32.637213					Longitude -104.479820			NAD NAD83	

Last Take Point (LTP)

UL D	Section 22	Township 19S	Range 25E	Lot	Feet 160	From N/S NORTH	Feet 352	From E/W WEST	County EDDY
Latitude 32.65355					Longitude -104.480043			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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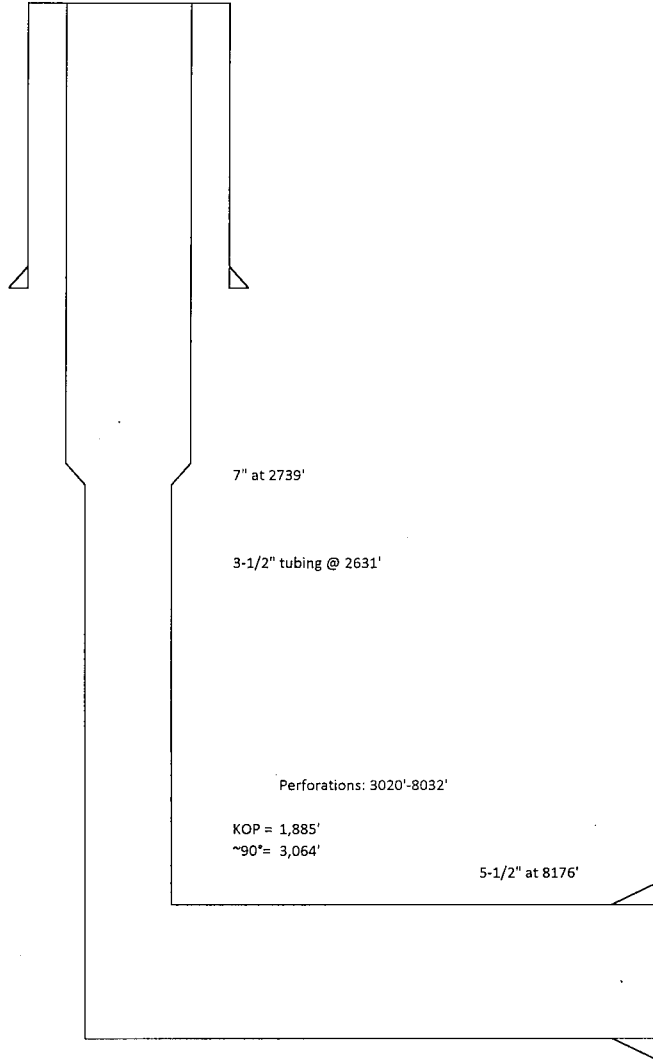
KZ 06/29/2018

API #	30-015-45252	Ross Ranch 22 #9H	County, ST	Eddy, NM
Operator	Percussion Petroleum Operating, LLC		Sec-Twn-Rng	27-19S-25E
Field	North Seven Rivers; Glorieta-Yeso		Footage	677' FNL, 557' FWL
Spud Date	9/29/2018		Survey	

RKB	3,489'
GL	3,473'

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

Csg Depth	1,248'
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	8,180'	2,739'
Size	5-1/2"	7"
Weight	20ppf	32ppf
Grade	L-80	L-80
Connections	BTC	BTC
Cement	surface	

PBTD	8,040'
TD MD	8,180'
TD TVD	2,501'



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 **02/18/19** thru **02/26/19** conduct or supervise the taking of a **MWD Survey** from a depth of **1648'** to a depth of **8180'**; 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 **Ross Ranch 22 9H** and **Ross Ranch 22 9H ST01** API No. **30-015-45252** 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
10:26:14 -06'00'



Company: Percussion Petroleum, LLC
Project: Eddy County, NM
Site: Ross Ranch 22 Unit
Well: #9H
Wellbore: ST01
Rig: Akita 20
Design: ST01 / 12:23, February 26 2019



TOTAL CORRECTION
To convert a Magnetic Direction to a Grid Direction: Add 7.305°

WELL DETAILS: #9H

RKB=16' @ 3489.00usft (Akita 20)
3473.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	595580.00	496397.90	32.637213	-104.479324

ANNOTATION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	V Sct	Departure	Annotation
8180.00	90.59	1.15	2500.67	6016.57	-209.97	6016.90	6041.55	Final Station Closure Distance= 6020.24 / Direction= 358.00
8180.00	90.59	1.15	2500.67	6016.57	-209.97	6016.90	6041.55	Projection to Bit: 8180.00' MD/ 2500.67' TVD
8180.00	90.59	1.15	2500.67	6016.57	-209.97	6016.90	6041.55	TD: Latitude = 32.653750 / Longitude = -104.480033
8180.00	90.59	1.15	2500.67	6016.57	-209.97	6016.90	6041.55	TD: Y= 601596.57 / X= 496187.93

DESIGN TARGET DETAILS

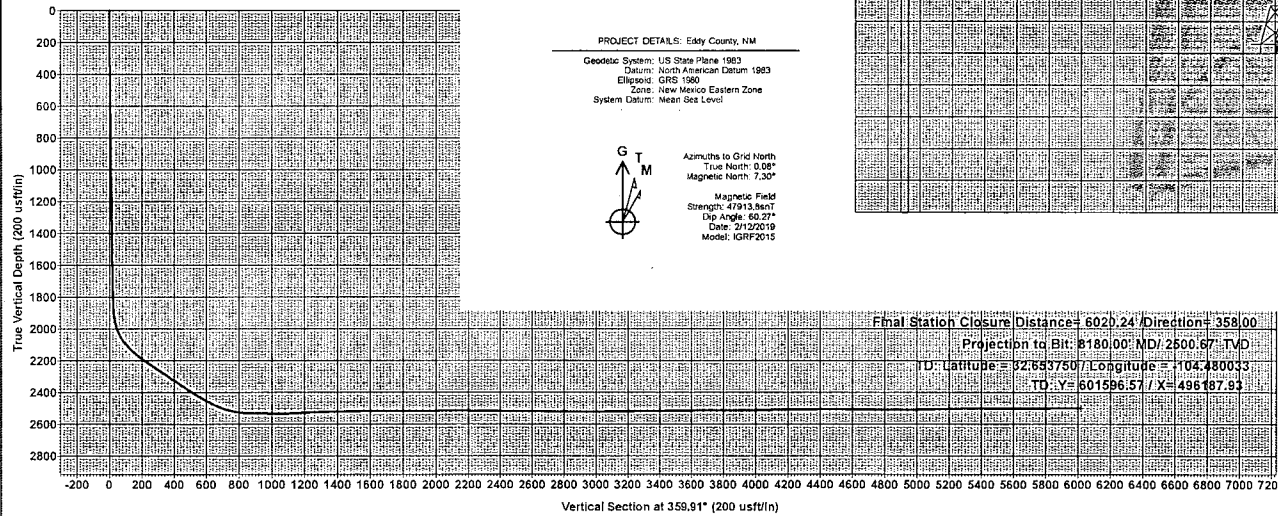
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Final Bit Proj. @ 8180' MD	2500.67	6016.57	-209.97	601596.57	496187.93	32.653750	-104.480033

PROJECT DETAILS: Eddy County, NM

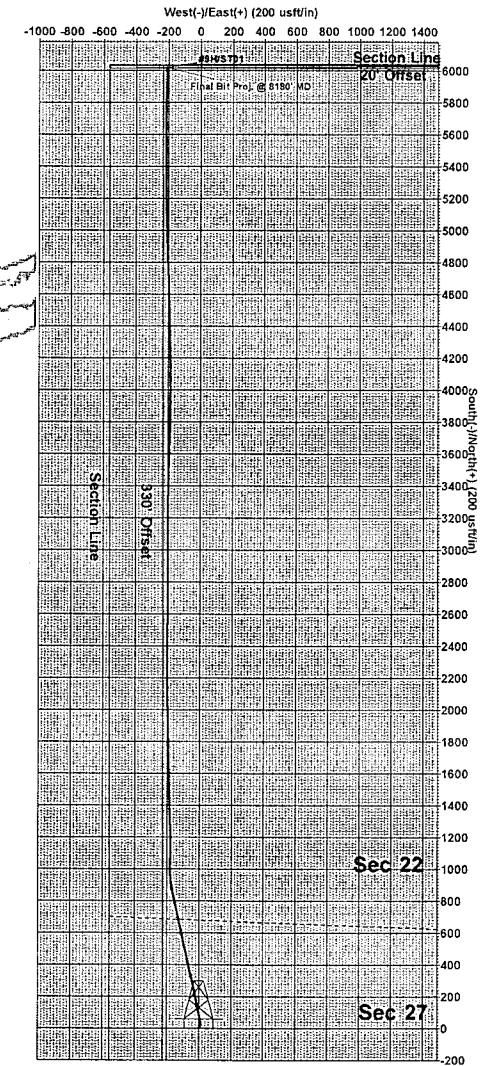
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level



Azimuths to Grid North
True North: 0.00°
Magnetic North: 7.30°
Magnetic Field
Strength: 47913.8nT
Dip Angle: 60.37°
Date: 2/12/2019
Model: IGRF2015



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



Design: ST01 (#9H/ST01) Akita 20

Created By: Derek Stephens Date: 12:23, February 26 2019



Survey Report

Service Company: Wellbenders

Location: Artesia

Well: Ross Ranch 22 9H

Rig: Akita 20

API or UWI: 30-015-45252

Job Number: NMDG 2019-1044

State: New Mexico

Operating Company: Spur Energy Partners LLC

County: Eddy

Magnetic Declination: 7.31

Country: United States

Proposed Azimuth: 359.91

Comment

North Reference: GRID

Latitude: 32.637213

Longitude: -104.479324

Tie-In Data

MD	Inclination	Azimuth	TVD	NS	EW
1550.00	0.73	43.93	1549.86	17.49	8.12

Survey Data

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
1648.00	1.19	39.21	1647.85	18.73	9.20	26.15	20.86	18.71	0.48
1680.00	1.19	33.67	1679.84	19.26	9.59	26.47	21.52	19.25	0.36
1743.00	1.27	38.24	1742.82	20.35	10.39	27.03	22.85	20.34	0.20
1838.00	1.98	11.96	1837.79	22.79	11.38	26.53	25.47	22.77	1.07
1885.00	3.38	359.31	1884.73	24.97	11.53	24.79	27.50	24.95	3.22
1932.00	8.57	347.88	1931.46	29.78	10.78	19.89	31.67	29.76	11.27
1979.00	15.43	347.00	1977.41	39.31	8.63	12.39	40.24	39.29	14.60
2026.00	23.25	347.97	2021.72	54.50	5.29	5.54	54.75	54.49	16.65
2074.00	31.82	349.73	2064.25	76.25	1.05	0.79	76.26	76.25	17.93
2120.00	40.04	349.81	2101.46	102.80	-3.74	357.92	102.86	102.80	17.87
2167.00	47.03	349.29	2135.52	134.61	-9.62	355.91	134.95	134.62	14.89
2214.00	52.00	347.79	2166.02	169.63	-16.73	354.37	170.45	169.65	10.85
2261.00	53.89	347.44	2194.34	206.26	-24.78	353.15	207.74	206.30	4.06
2307.00	55.12	347.71	2221.05	242.84	-32.84	352.30	245.05	242.89	2.72
2355.00	56.09	348.06	2248.17	281.56	-41.15	351.69	284.55	281.63	2.11
2402.00	57.01	348.32	2274.07	319.95	-49.17	351.26	323.70	320.02	2.01

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
2449.00	57.58	348.14	2299.47	358.66	-57.24	350.93	363.20	358.75	1.25
2496.00	56.13	347.53	2325.16	397.13	-65.53	350.63	402.50	397.23	3.27
2543.00	56.70	347.44	2351.16	435.35	-74.02	350.35	441.60	435.47	1.22
2591.00	57.36	347.53	2377.28	474.67	-82.74	350.11	481.82	474.80	1.38
2638.00	58.29	347.79	2402.31	513.53	-91.24	349.92	521.57	513.67	2.03
2685.00	59.30	347.97	2426.66	552.83	-99.68	349.78	561.75	552.99	2.17
2732.00	60.26	348.23	2450.32	592.57	-108.06	349.67	602.34	592.74	2.10
2780.00	63.78	347.88	2472.83	634.04	-116.83	349.56	644.71	634.22	7.36
2827.00	67.52	347.27	2492.21	675.84	-126.05	349.44	687.50	676.04	8.04
2875.00	72.53	346.56	2508.60	719.77	-136.26	349.28	732.55	719.98	10.53
2922.00	77.63	346.56	2520.70	763.93	-146.81	349.12	777.91	764.16	10.85
2969.00	83.30	347.62	2528.48	809.09	-157.16	349.01	824.21	809.33	12.27
3016.00	87.65	348.94	2532.19	854.95	-166.67	348.97	871.05	855.21	9.67
3064.00	89.19	352.72	2533.51	902.31	-174.32	349.07	919.00	902.58	8.50
3111.00	89.71	356.58	2533.96	949.10	-178.70	349.34	965.77	949.38	8.29
3158.00	89.14	359.48	2534.44	996.06	-180.32	349.74	1012.25	996.34	6.29
3205.00	89.98	1.68	2534.80	1043.05	-179.84	350.22	1058.44	1043.33	5.01
3252.00	91.12	1.77	2534.35	1090.03	-178.43	350.70	1104.54	1090.31	2.43
3370.00	93.93	357.81	2529.15	1207.88	-178.85	351.58	1221.05	1208.16	4.11
3464.00	91.65	357.72	2524.57	1301.69	-182.51	352.02	1314.42	1301.97	2.43
3559.00	91.30	358.60	2522.12	1396.61	-185.56	352.43	1408.88	1396.90	1.00
3653.00	90.95	358.96	2520.28	1490.57	-187.56	352.83	1502.32	1490.86	0.53
3748.00	90.64	358.52	2518.96	1585.54	-189.65	353.18	1596.84	1585.83	0.57
3842.00	89.67	358.43	2518.71	1679.50	-192.15	353.47	1690.46	1679.80	1.04
3937.00	89.93	358.52	2519.04	1774.47	-194.68	353.74	1785.11	1774.77	0.29
4032.00	90.20	358.87	2518.93	1869.44	-196.85	353.99	1879.78	1869.75	0.47
4127.00	90.42	359.04	2518.42	1964.42	-198.58	354.23	1974.44	1964.73	0.29
4221.00	90.73	359.39	2517.47	2058.41	-199.87	354.45	2068.09	2058.72	0.50
4316.00	89.14	359.57	2517.58	2153.40	-200.73	354.67	2162.74	2153.72	1.68
4411.00	89.41	359.83	2518.78	2248.39	-201.23	354.89	2257.38	2248.71	0.39
4506.00	89.49	359.92	2519.70	2343.39	-201.43	355.09	2352.03	2343.70	0.13
4600.00	89.67	0.10	2520.38	2437.39	-201.42	355.28	2445.70	2437.70	0.27
4695.00	89.63	0.54	2520.96	2532.38	-200.89	355.46	2540.34	2532.70	0.47
4790.00	89.32	0.01	2521.84	2627.38	-200.43	355.64	2635.01	2627.69	0.65
4884.00	89.80	0.19	2522.56	2721.38	-200.27	355.79	2728.73	2721.69	0.55
4979.00	90.02	359.83	2522.71	2816.37	-200.25	355.93	2823.48	2816.69	0.44
5073.00	90.07	359.83	2522.63	2910.37	-200.53	356.06	2917.27	2910.69	0.05

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
5168.00	90.24	0.10	2522.38	3005.37	-200.59	356.18	3012.06	3005.69	0.34
5263.00	90.46	0.10	2521.80	3100.37	-200.42	356.30	3106.84	3100.68	0.23
5358.00	90.64	0.36	2520.88	3195.37	-200.04	356.42	3201.62	3195.68	0.33
5452.00	90.68	0.63	2519.80	3289.36	-199.23	356.53	3295.38	3289.67	0.29
5547.00	90.68	0.98	2518.67	3384.34	-197.89	356.65	3390.12	3384.65	0.37
5641.00	90.86	1.06	2517.41	3478.32	-196.22	356.77	3483.85	3478.62	0.21
5735.00	90.64	1.33	2516.18	3572.29	-194.26	356.89	3577.57	3572.59	0.37
5830.00	90.64	1.86	2515.12	3667.25	-191.62	357.01	3672.25	3667.54	0.56
5924.00	89.58	1.42	2514.94	3761.21	-188.93	357.12	3765.95	3761.50	1.22
6019.00	89.54	0.54	2515.67	3856.19	-187.30	357.22	3860.73	3856.48	0.93
6113.00	90.77	0.45	2515.41	3950.18	-186.49	357.30	3954.58	3950.47	1.31
6207.00	91.43	0.01	2513.61	4044.16	-186.11	357.37	4048.44	4044.45	0.84
6302.00	90.95	359.31	2511.64	4139.14	-186.68	357.42	4143.35	4139.43	0.89
6397.00	91.08	358.52	2509.95	4234.11	-188.47	357.45	4238.30	4234.40	0.84
6491.00	91.34	358.78	2507.97	4328.06	-190.69	357.48	4332.26	4328.35	0.39
6582.00	89.93	358.52	2506.96	4419.03	-192.83	357.50	4423.23	4419.32	1.58
6674.00	89.80	358.87	2507.18	4511.00	-194.93	357.53	4515.21	4511.30	0.41
6764.00	89.36	358.87	2507.84	4600.98	-196.70	357.55	4605.19	4601.29	0.49
6855.00	89.41	358.25	2508.81	4691.95	-198.99	357.57	4696.17	4692.25	0.68
6946.00	89.05	357.72	2510.04	4782.88	-202.19	357.58	4787.15	4783.19	0.70
7037.00	90.11	358.08	2510.70	4873.82	-205.52	357.59	4878.15	4874.13	1.23
7128.00	90.59	358.25	2510.15	4964.77	-208.44	357.60	4969.14	4965.09	0.56
7219.00	91.08	358.52	2508.82	5055.72	-211.00	357.61	5060.12	5056.05	0.61
7309.00	91.47	359.04	2506.82	5145.68	-212.92	357.63	5150.08	5146.01	0.72
7399.00	90.90	359.39	2504.96	5235.65	-214.15	357.66	5240.03	5235.98	0.74
7491.00	91.43	359.83	2503.09	5327.63	-214.78	357.69	5331.96	5327.96	0.75
7582.00	89.89	359.83	2502.04	5418.62	-215.04	357.73	5422.89	5418.95	1.69
7673.00	89.85	0.10	2502.24	5509.62	-215.10	357.76	5513.82	5509.95	0.30
7764.00	89.93	0.10	2502.42	5600.62	-214.94	357.80	5604.74	5600.95	0.09
7855.00	90.29	0.36	2502.24	5691.62	-214.58	357.84	5695.66	5691.95	0.49
7946.00	89.93	0.36	2502.07	5782.62	-214.00	357.88	5786.58	5782.95	0.40
8041.00	90.29	1.15	2501.89	5877.61	-212.75	357.93	5881.46	5877.93	0.91
8125.00	90.59	1.15	2501.24	5961.59	-211.07	357.97	5965.32	5961.91	0.36

Projected Survey

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
8180.00	90.59	1.15	2500.68	6016.57	-209.96	358.00	6020.24	6016.90	0.00