

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

☐ AMENDED REPORT

AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-31287	*Pool Code 98088	*Pool Name CHACO UNIT NE HZ (OIL)
*Property Code 313800	*Property Name NE CHACO COM	*Well Number 264H
*OGRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC	*Elevation 6830'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	5	23N	6W		1345	SOUTH	259	WEST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

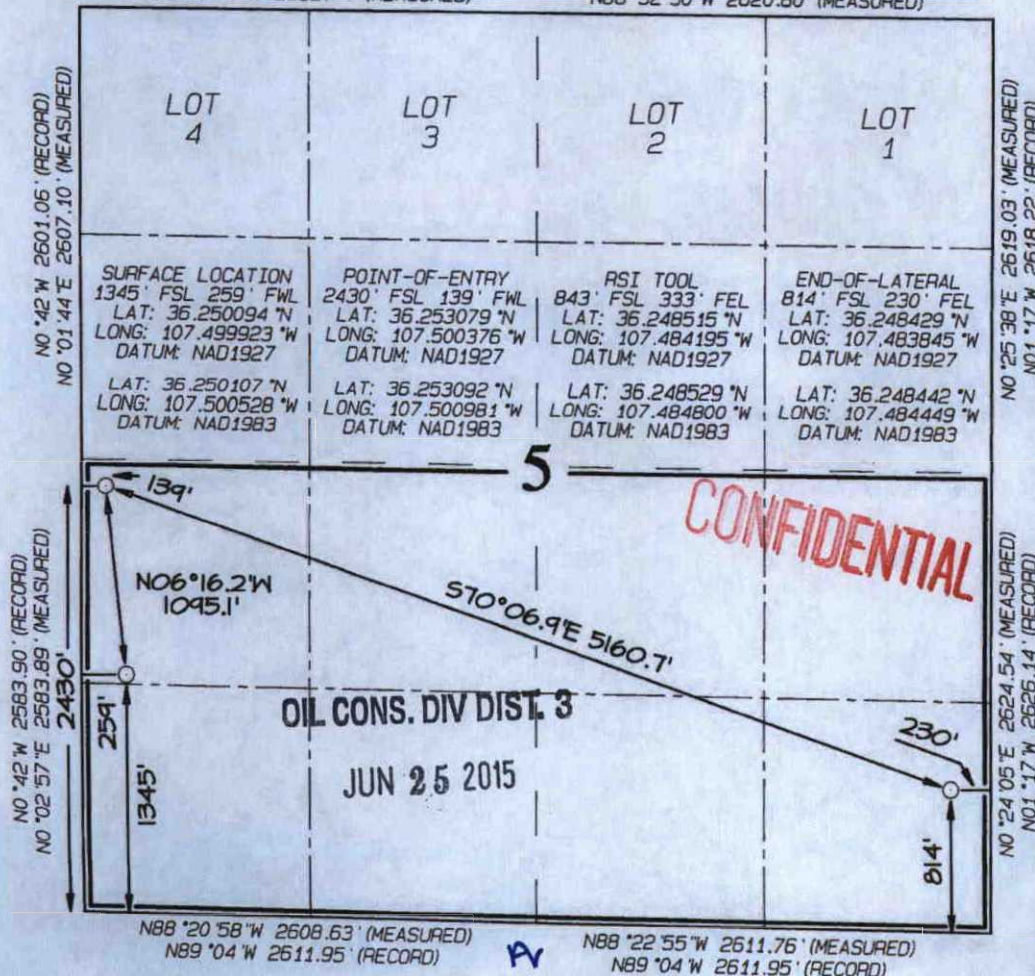
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	5	23N	6W		814	SOUTH	230	EAST	RIO ARriba

¹² Dedicated Acres 320.00	S/2 - Section 5	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-13817-A	9237.3 ac
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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

N89°47'W 2632.74' (RECORD)
N89°01'15"W 2632.74' (MEASURED)

NB9 *40'W 2620.86' (RECORD)
NB8 *52'30"W 2620.80' (MEASURED)



17 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 to a compulsory pooling order, or otherwise, entered by the division.

Signature _____ Date _____
LACEY GRANILLO
Printed Name _____
LACEY.GRANILLO@WPXENERGY.COM
E-mail Address _____

18 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 Revised: JUNE 8, 2015
Survey Date: DECEMBER 10, 2013

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269



OIL CONS. DIV DIST. 3

JUN 25 2015

WPX Energy

T23N R6W

Chaco 2306-05L

NE Chaco Com #264H - Slot A3

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

01 June, 2015

CONFIDENTIAL



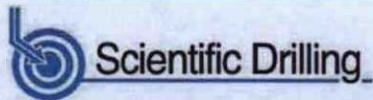
www.scientificdrilling.com



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Company Name: WPX Energy
 Project: T23N R6W
 Site: Chaco 2306-05L
 Well: NE Chaco Com #264H



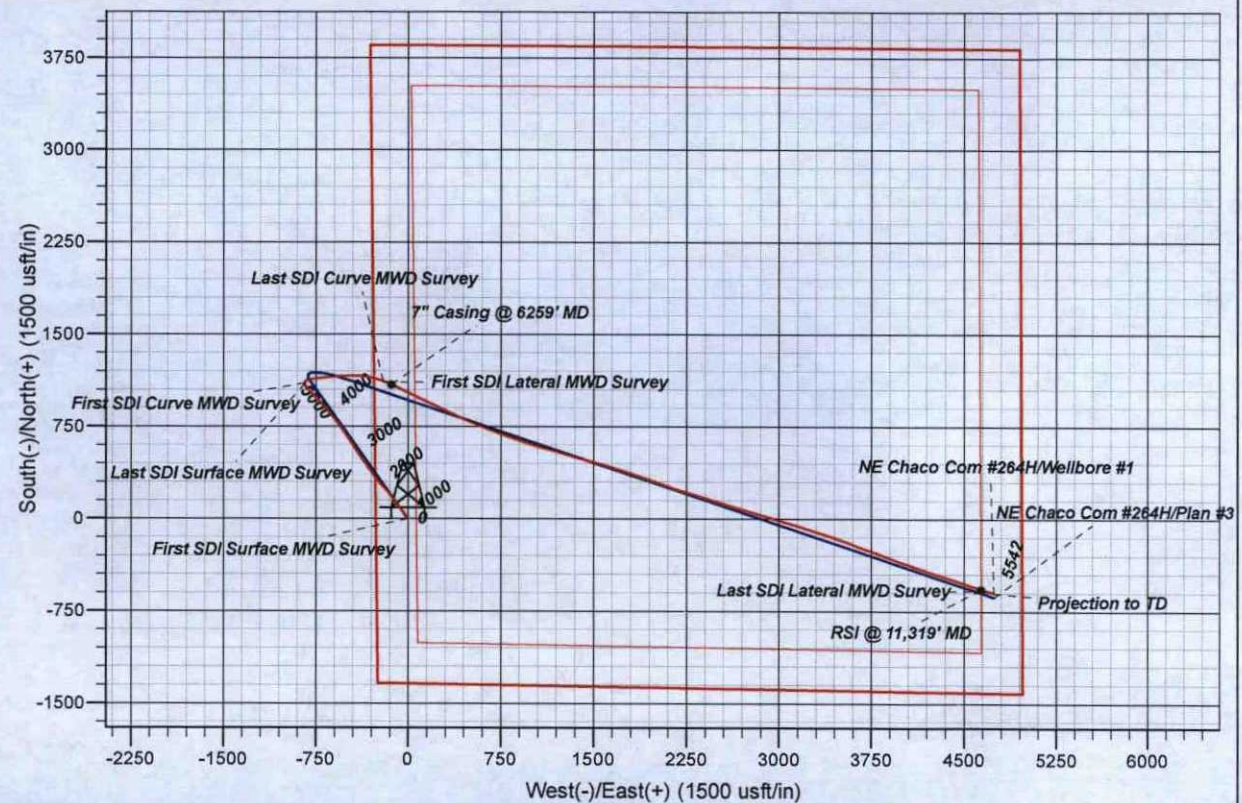
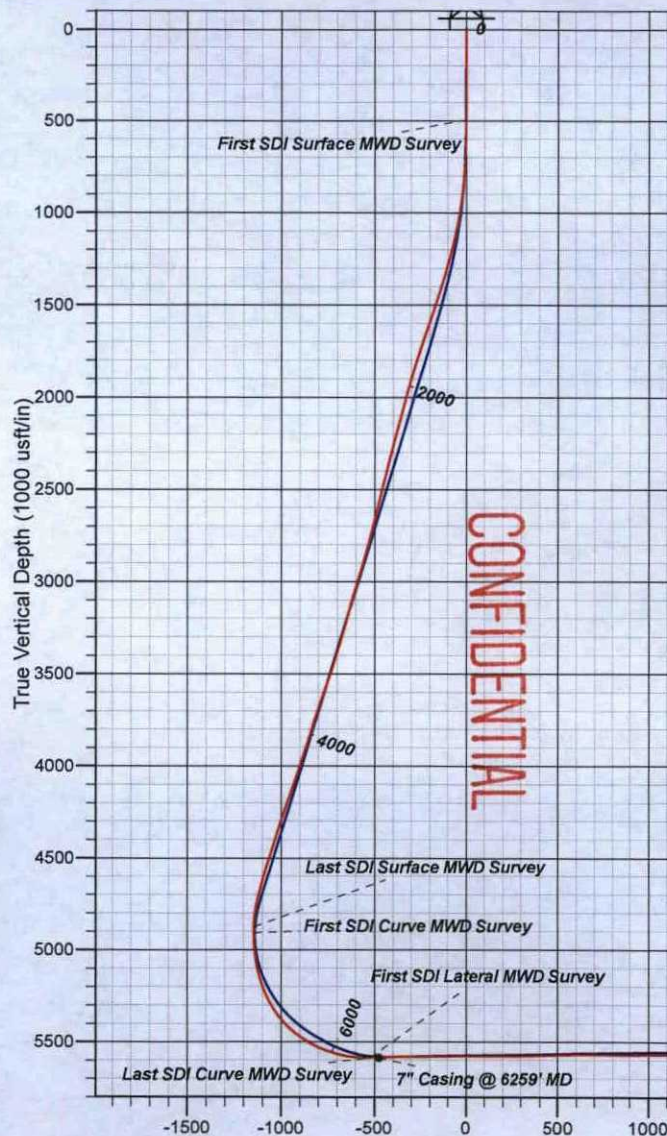
Azimuths to True North
 Magnetic North: 9.32°

Magnetic Field
 Strength: 50154.9snT
 Dip Angle: 63.01°
 Date: 10/19/2014
 Model: IGRF2010

WELL DETAILS: NE Chaco Com #264H

KB @ 6844.00usft (Original Well Elev) 6830.00
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.00 0.00 1910443.81 598309.66 36.2500900 -107.4999200

A3

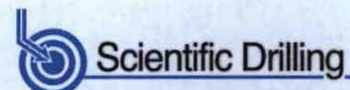


Vertical Section at 108.63° (1000 usft/in)

Design: Wellbore #1 (NE Chaco Com #264H/Wellbore #1)
 Created By: Janie Collins Date: 10:14, June 01 2015
 PROJECT DETAILS: T23N R6W
 Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico West 3003
 System Datum: Mean Sea Level
 Local North: True



Survey Report - Geographic



Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #264H - Slot A3
Project:	T23N R6W	TVD Reference:	KB @ 6844.00usft (Original Well Elev)
Site:	Chaco 2306-05L	MD Reference:	KB @ 6844.00usft (Original Well Elev)
Well:	NE Chaco Com #264H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Project		T23N R6W	
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		

Site	Chaco 2306-05L				
Site Position:		Northing:	1,910,443.81 usft	Latitude:	36.2500900
From:	Lat/Long	Easting:	598,309.66 usft	Longitude:	-107.4999200
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	0.20 °

Well	NE Chaco Com #264H - Slot A3					
Well Position	+N/-S	0.00 usft	Northing:	1,910,443.81 usft	Latitude:	36.2500900
	+E/-W	0.00 usft	Easting:	598,309.66 usft	Longitude:	-107.4999200
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	6,830.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/19/2014	9.32	63.01	50,155

Design		Wellbore #1				
Audit Notes:						
Version:		1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:		Depth From (TVD)	+N/-S	+E/-W	Direction	
		(usft)	(usft)	(usft)	(°)	
		0.00	0.00	0.00	108.63	

Survey Program		Date	6/1/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
64.00	370.00	Survey #1 (Wellbore #1)	GYRO-NS	Gyrocompass Gyro	
497.00	5,109.00	Survey #2 - Surface MWD (Wellbore #1)	SDI MWD	SDI MWD - Standard ver 1.0.1	
5,141.00	6,186.00	Survey #3 - Curve MWD Survey (Wellbore	SDI MWD	SDI MWD - Standard ver 1.0.1	
6,211.00	11,427.00	Survey #4 - Lateral MWD Survey (Wellbor	SDI MWD	SDI MWD - Standard ver 1.0.1	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	1,910,443.81	598,309.66	36.2500900	-107.4999200
64.00	0.39	304.46	64.00	0.12	-0.18	1,910,443.93	598,309.48	36.2500903	-107.4999207
114.00	0.38	309.26	114.00	0.32	-0.45	1,910,444.13	598,309.21	36.2500909	-107.4999216
164.00	0.34	300.43	164.00	0.50	-0.70	1,910,444.31	598,308.95	36.2500914	-107.4999224
214.00	0.42	293.54	214.00	0.65	-1.00	1,910,444.46	598,308.66	36.2500918	-107.4999234
264.00	0.28	263.61	264.00	0.71	-1.29	1,910,444.52	598,308.37	36.2500919	-107.4999244
314.00	0.30	231.05	313.99	0.62	-1.51	1,910,444.42	598,308.15	36.2500917	-107.4999252
370.00	0.77	178.22	369.99	0.15	-1.62	1,910,443.95	598,308.04	36.2500904	-107.4999255

Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #264H - Slot A3
Project:	T23N R6W	TVD Reference:	KB @ 6844.00usft (Original Well Elev)
Site:	Chaco 2306-05L	MD Reference:	KB @ 6844.00usft (Original Well Elev)
Well:	NE Chaco Com #264H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
497.00	0.81	180.26	496.98	-1.60	-1.59	1,910,442.20	598,308.07	36.2500856	-107.4999254
First SDI Surface MWD Survey									
528.00	0.87	185.01	527.98	-2.06	-1.61	1,910,441.75	598,308.05	36.2500843	-107.4999255
591.00	0.91	337.90	590.97	-2.07	-1.84	1,910,441.73	598,307.82	36.2500843	-107.4999263
655.00	1.94	336.71	654.95	-0.60	-2.46	1,910,443.20	598,307.20	36.2500883	-107.4999284
718.00	3.93	335.48	717.87	2.34	-3.78	1,910,446.14	598,305.87	36.2500964	-107.4999329
781.00	5.62	332.30	780.65	7.04	-6.11	1,910,450.83	598,303.52	36.2501093	-107.4999408
844.00	7.29	327.33	843.25	13.13	-9.70	1,910,456.91	598,299.91	36.2501261	-107.4999530
907.00	8.69	325.29	905.63	20.41	-14.57	1,910,464.17	598,295.02	36.2501460	-107.4999695
971.00	10.29	324.33	968.75	29.03	-20.66	1,910,472.77	598,288.90	36.2501697	-107.4999901
1,034.00	12.38	321.14	1,030.52	38.86	-28.18	1,910,482.57	598,281.35	36.2501967	-107.5000156
1,097.00	14.06	320.36	1,091.85	50.01	-37.30	1,910,493.69	598,272.19	36.2502274	-107.5000465
1,160.00	15.19	322.74	1,152.81	62.48	-47.18	1,910,506.12	598,262.27	36.2502616	-107.5000800
1,224.00	16.79	322.14	1,214.33	76.45	-57.93	1,910,520.06	598,251.47	36.2503000	-107.5001165
1,284.00	18.02	326.54	1,271.59	91.03	-68.36	1,910,534.61	598,240.98	36.2503401	-107.5001519
1,345.00	20.13	323.54	1,329.23	107.35	-79.80	1,910,550.88	598,229.49	36.2503849	-107.5001907
1,406.00	21.01	323.40	1,386.35	124.57	-92.56	1,910,568.06	598,216.67	36.2504322	-107.5002340
1,467.00	22.02	323.19	1,443.09	142.51	-105.93	1,910,585.95	598,203.24	36.2504815	-107.5002793
1,527.00	22.76	322.32	1,498.57	160.70	-119.77	1,910,604.09	598,189.34	36.2505314	-107.5003262
1,587.00	23.12	323.72	1,553.83	179.38	-133.83	1,910,622.73	598,175.21	36.2505828	-107.5003739
1,648.00	22.87	322.69	1,609.98	198.46	-148.10	1,910,641.76	598,160.87	36.2506352	-107.5004223
1,709.00	21.32	318.84	1,666.50	216.24	-162.59	1,910,659.49	598,146.33	36.2506840	-107.5004715
1,770.00	20.22	319.40	1,723.54	232.59	-176.75	1,910,675.79	598,132.11	36.2507289	-107.5005195
1,831.00	20.22	314.77	1,780.78	248.02	-191.09	1,910,691.17	598,117.71	36.2507713	-107.5005681
1,891.00	19.58	314.61	1,837.20	262.38	-205.61	1,910,705.48	598,103.15	36.2508108	-107.5006174
1,952.00	18.73	314.25	1,894.82	276.40	-219.90	1,910,719.45	598,088.81	36.2508493	-107.5006658
2,012.00	17.92	322.16	1,951.78	290.41	-232.47	1,910,733.42	598,076.19	36.2508878	-107.5007085
2,073.00	18.31	321.60	2,009.76	305.33	-244.18	1,910,748.30	598,064.43	36.2509288	-107.5007482
2,133.00	18.82	324.44	2,066.64	320.59	-255.66	1,910,763.52	598,052.90	36.2509707	-107.5007871
2,194.00	18.97	323.50	2,124.35	336.57	-267.28	1,910,779.45	598,041.22	36.2510146	-107.5008265
2,255.00	18.83	328.05	2,182.07	352.89	-278.39	1,910,795.74	598,030.06	36.2510594	-107.5008642
2,316.00	18.02	327.06	2,239.94	369.16	-288.73	1,910,811.97	598,019.66	36.2511041	-107.5008993
2,377.00	17.85	324.09	2,297.98	384.65	-299.34	1,910,827.43	598,009.00	36.2511467	-107.5009353
2,438.00	16.82	321.24	2,356.21	399.11	-310.35	1,910,841.85	597,997.94	36.2511864	-107.5009726
2,499.00	17.00	324.71	2,414.57	413.27	-321.03	1,910,855.97	597,987.21	36.2512253	-107.5010088
2,560.00	16.77	326.12	2,472.94	427.85	-331.09	1,910,870.52	597,977.10	36.2512653	-107.5010429
2,621.00	17.66	325.30	2,531.21	442.77	-341.26	1,910,885.40	597,966.88	36.2513063	-107.5010774
2,682.00	17.12	326.54	2,589.42	457.86	-351.48	1,910,900.46	597,956.61	36.2513478	-107.5011121
2,742.00	16.88	323.37	2,646.80	472.22	-361.54	1,910,914.78	597,946.49	36.2513872	-107.5011462
2,804.00	16.86	321.86	2,706.13	486.52	-372.47	1,910,929.04	597,935.52	36.2514265	-107.5011833
2,864.00	17.80	325.10	2,763.41	500.88	-383.09	1,910,943.37	597,924.85	36.2514660	-107.5012193
2,925.00	19.34	326.51	2,821.23	516.96	-394.00	1,910,959.41	597,913.89	36.2515101	-107.5012563
2,986.00	19.58	326.43	2,878.75	533.90	-405.22	1,910,976.31	597,902.60	36.2515566	-107.5012944
3,047.00	19.59	322.93	2,936.22	550.57	-417.04	1,910,992.94	597,890.73	36.2516025	-107.5013344
3,110.00	19.97	325.90	2,995.50	567.91	-429.44	1,911,010.24	597,878.27	36.2516501	-107.5013765
3,173.00	20.59	327.87	3,054.60	586.20	-441.36	1,911,028.48	597,866.28	36.2517003	-107.5014169
3,236.00	20.12	328.81	3,113.66	604.85	-452.86	1,911,047.10	597,854.72	36.2517516	-107.5014559
3,300.00	19.51	327.02	3,173.88	623.23	-464.38	1,911,065.44	597,843.14	36.2518021	-107.5014950
3,363.00	19.74	325.87	3,233.22	640.86	-476.08	1,911,083.03	597,831.38	36.2518505	-107.5015347
3,427.00	20.93	327.32	3,293.23	659.43	-488.32	1,911,101.56	597,819.08	36.2519015	-107.5015762
3,490.00	20.69	325.19	3,352.12	678.04	-500.74	1,911,120.12	597,806.59	36.2519526	-107.5016183
3,554.00	20.35	326.06	3,412.06	696.56	-513.41	1,911,138.59	597,793.85	36.2520035	-107.5016613
3,617.00	21.02	324.77	3,471.00	714.87	-526.05	1,911,156.87	597,781.16	36.2520538	-107.5017041
3,681.00	21.83	324.49	3,530.57	733.94	-539.58	1,911,175.88	597,767.56	36.2521062	-107.5017500
3,744.00	22.00	325.76	3,589.02	753.23	-553.02	1,911,195.13	597,754.05	36.2521592	-107.5017956

Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #264H - Slot A3
Project:	T23N R6W	TVD Reference:	KB @ 6844.00usft (Original Well Elev)
Site:	Chaco 2306-05L	MD Reference:	KB @ 6844.00usft (Original Well Elev)
Well:	NE Chaco Com #264H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
3,807.00	22.39	323.11	3,647.35	772.58	-566.86	1,911,214.43	597,740.14	36.2522123	-107.5018426
3,871.00	21.83	324.55	3,706.65	792.02	-581.08	1,911,233.82	597,725.85	36.2522657	-107.5018908
3,934.00	21.52	323.60	3,765.19	810.86	-594.73	1,911,252.62	597,712.14	36.2523175	-107.5019371
3,998.00	20.98	322.71	3,824.84	829.43	-608.64	1,911,271.14	597,698.17	36.2523685	-107.5019843
4,061.00	21.51	319.30	3,883.56	847.16	-623.01	1,911,288.82	597,683.74	36.2524172	-107.5020330
4,125.00	21.30	317.66	3,943.15	864.64	-638.49	1,911,306.25	597,668.20	36.2524652	-107.5020855
4,188.00	20.42	318.13	4,002.02	881.29	-653.53	1,911,322.84	597,653.10	36.2525110	-107.5021365
4,251.00	21.54	317.03	4,060.84	897.93	-668.75	1,911,339.44	597,637.83	36.2525567	-107.5021881
4,315.00	21.67	317.56	4,120.34	915.25	-684.73	1,911,356.70	597,621.78	36.2526043	-107.5022423
4,378.00	20.85	313.26	4,179.06	931.52	-700.75	1,911,372.91	597,605.71	36.2526489	-107.5022967
4,442.00	19.90	315.86	4,239.06	947.14	-716.63	1,911,388.48	597,589.78	36.2526919	-107.5023505
4,505.00	19.55	315.84	4,298.36	962.40	-731.44	1,911,403.68	597,574.92	36.2527338	-107.5024007
4,569.00	20.17	318.34	4,358.55	978.32	-746.23	1,911,419.56	597,560.07	36.2527775	-107.5024509
4,632.00	20.51	320.68	4,417.63	994.98	-760.45	1,911,436.16	597,545.80	36.2528233	-107.5024991
4,696.00	19.60	320.28	4,477.75	1,011.91	-774.41	1,911,453.05	597,531.77	36.2528698	-107.5025465
4,760.00	19.43	318.08	4,538.07	1,028.09	-788.38	1,911,469.18	597,517.75	36.2529142	-107.5025939
4,823.00	18.27	320.23	4,597.69	1,043.47	-801.70	1,911,484.52	597,504.37	36.2529565	-107.5026391
4,886.00	16.47	318.51	4,657.82	1,057.75	-813.93	1,911,498.76	597,492.09	36.2529957	-107.5026805
4,950.00	14.23	318.72	4,719.53	1,070.46	-825.14	1,911,511.43	597,480.85	36.2530306	-107.5027185
4,982.00	12.57	318.23	4,750.66	1,076.02	-830.05	1,911,516.96	597,475.91	36.2530459	-107.5027352
5,014.00	10.82	326.73	4,781.99	1,081.13	-834.02	1,911,522.06	597,471.93	36.2530599	-107.5027487
5,046.00	10.09	339.74	4,813.47	1,086.27	-836.64	1,911,527.19	597,469.29	36.2530740	-107.5027575
5,078.00	8.65	350.33	4,845.04	1,091.27	-838.01	1,911,532.19	597,467.90	36.2530878	-107.5027622
5,109.00	8.02	1.78	4,875.72	1,095.73	-838.34	1,911,536.65	597,467.56	36.2531000	-107.5027633
Last SDI Surface MWD Survey									
5,141.00	8.29	12.74	4,907.39	1,100.21	-837.76	1,911,541.13	597,468.12	36.2531124	-107.5027614
First SDI Curve MWD Survey									
5,172.00	8.44	25.46	4,938.07	1,104.45	-836.29	1,911,545.37	597,469.58	36.2531240	-107.5027564
5,204.00	8.97	39.46	4,969.70	1,108.49	-833.69	1,911,549.43	597,472.16	36.2531351	-107.5027476
5,236.00	10.46	51.48	5,001.24	1,112.23	-829.83	1,911,553.18	597,476.00	36.2531454	-107.5027345
5,267.00	12.03	57.40	5,031.65	1,115.72	-824.91	1,911,556.69	597,480.92	36.2531550	-107.5027178
5,299.00	13.81	63.08	5,062.84	1,119.25	-818.69	1,911,560.23	597,487.12	36.2531646	-107.5026967
5,331.00	14.93	68.66	5,093.84	1,122.48	-811.45	1,911,563.49	597,494.35	36.2531735	-107.5026721
5,362.00	16.67	70.62	5,123.67	1,125.41	-803.53	1,911,566.44	597,502.26	36.2531816	-107.5026453
5,396.00	18.29	74.59	5,156.10	1,128.44	-793.79	1,911,569.51	597,511.99	36.2531899	-107.5026122
5,428.00	20.49	78.22	5,186.28	1,130.92	-783.46	1,911,572.03	597,522.31	36.2531967	-107.5025772
5,459.00	23.21	79.25	5,215.05	1,133.17	-772.15	1,911,574.31	597,533.62	36.2532029	-107.5025388
5,491.00	25.97	83.06	5,244.15	1,135.19	-759.00	1,911,576.38	597,546.76	36.2532085	-107.5024942
5,522.00	29.28	82.15	5,271.61	1,137.05	-744.75	1,911,578.29	597,561.01	36.2532136	-107.5024459
5,554.00	31.82	85.78	5,299.17	1,138.74	-728.58	1,911,580.03	597,577.17	36.2532182	-107.5023911
5,586.00	34.82	83.29	5,325.91	1,140.43	-711.08	1,911,581.78	597,594.66	36.2532228	-107.5023317
5,617.00	37.30	83.53	5,350.97	1,142.52	-692.96	1,911,583.94	597,612.77	36.2532286	-107.5022703
5,649.00	40.63	84.88	5,375.84	1,144.54	-672.94	1,911,586.03	597,632.78	36.2532341	-107.5022024
5,681.00	43.94	86.73	5,399.51	1,146.11	-651.47	1,911,587.67	597,654.25	36.2532384	-107.5021296
5,712.00	47.66	85.49	5,421.12	1,147.62	-629.31	1,911,589.26	597,676.41	36.2532426	-107.5020544
5,744.00	51.34	84.13	5,441.90	1,149.83	-605.08	1,911,591.55	597,700.63	36.2532487	-107.5019722
5,776.00	55.03	85.68	5,461.08	1,152.10	-579.57	1,911,593.90	597,726.13	36.2532549	-107.5018857
5,807.00	58.48	86.94	5,478.07	1,153.76	-553.70	1,911,595.65	597,752.00	36.2532595	-107.5017979
5,839.00	60.68	87.40	5,494.27	1,155.12	-526.14	1,911,597.11	597,779.55	36.2532632	-107.5017045
5,870.00	61.28	87.98	5,509.31	1,156.21	-499.05	1,911,598.30	597,806.63	36.2532662	-107.5016126
5,901.00	63.29	87.40	5,523.73	1,157.32	-471.63	1,911,599.50	597,834.05	36.2532693	-107.5015196
5,933.00	66.53	89.60	5,537.29	1,158.07	-442.67	1,911,600.35	597,863.01	36.2532713	-107.5014214
5,965.00	70.17	90.59	5,549.10	1,158.02	-412.93	1,911,600.40	597,892.75	36.2532712	-107.5013205
5,996.00	73.09	93.62	5,558.87	1,156.93	-383.54	1,911,599.41	597,922.14	36.2532682	-107.5012208
6,028.00	74.41	98.26	5,567.83	1,153.75	-352.99	1,911,596.34	597,952.70	36.2532595	-107.5011172

Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #264H - Slot A3
Project:	T23N R6W	TVD Reference:	KB @ 6844.00usft (Original Well Elev)
Site:	Chaco 2306-05L	MD Reference:	KB @ 6844.00usft (Original Well Elev)
Well:	NE Chaco Com #264H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,059.00	76.69	100.88	5,575.56	1,148.75	-323.40	1,911,591.44	597,982.31	36.2532457	-107.5010169
6,091.00	80.81	102.81	5,581.81	1,142.31	-292.69	1,911,585.11	598,013.04	36.2532280	-107.5009127
6,122.00	83.86	104.56	5,585.94	1,135.04	-262.84	1,911,577.94	598,042.91	36.2532081	-107.5008115
6,154.00	87.49	106.32	5,588.35	1,126.55	-232.09	1,911,569.55	598,073.69	36.2531847	-107.5007072
6,186.00	89.93	109.41	5,589.08	1,116.73	-201.65	1,911,559.84	598,104.17	36.2531578	-107.5006040
Last SDI Curve MWD Survey									
6,211.00	90.71	113.21	5,588.94	1,107.65	-178.36	1,911,550.84	598,127.49	36.2531328	-107.5005250
First SDI Lateral MWD Survey									
6,259.00	91.39	114.98	5,588.06	1,088.06	-134.56	1,911,531.40	598,171.36	36.2530790	-107.5003764
7" Casing @ 6259' MD									
6,296.00	91.91	116.35	5,586.99	1,072.04	-101.22	1,911,515.49	598,204.75	36.2530350	-107.5002633
6,357.00	92.48	116.65	5,584.66	1,044.84	-46.67	1,911,488.48	598,259.40	36.2529603	-107.5000783
6,418.00	90.54	115.73	5,583.05	1,017.93	8.05	1,911,461.76	598,314.20	36.2528863	-107.4998928
6,478.00	90.04	115.46	5,582.74	992.01	62.16	1,911,436.03	598,368.40	36.2528151	-107.4997092
6,539.00	90.84	115.56	5,582.28	965.74	117.21	1,911,409.95	598,423.54	36.2527430	-107.4995225
6,599.00	90.47	116.39	5,581.59	939.46	171.14	1,911,383.86	598,477.57	36.2526708	-107.4993396
6,660.00	90.13	115.73	5,581.27	912.67	225.94	1,911,357.25	598,532.46	36.2525972	-107.4991538
6,721.00	90.40	115.78	5,580.99	886.16	280.88	1,911,330.93	598,587.49	36.2525244	-107.4989674
6,781.00	90.64	116.25	5,580.44	859.84	334.80	1,911,304.80	598,641.50	36.2524521	-107.4987846
6,842.00	89.60	115.37	5,580.32	833.29	389.71	1,911,278.43	598,696.50	36.2523791	-107.4985983
6,903.00	89.78	114.14	5,580.65	807.74	445.10	1,911,253.08	598,751.98	36.2523089	-107.4984105
6,964.00	90.10	112.07	5,580.71	783.81	501.21	1,911,229.34	598,808.17	36.2522432	-107.4982202
7,026.00	90.31	110.72	5,580.49	761.19	558.93	1,911,206.92	598,865.97	36.2521810	-107.4980244
7,086.00	90.64	110.99	5,579.99	739.83	615.00	1,911,185.75	598,922.11	36.2521224	-107.4978343
7,147.00	92.19	111.46	5,578.48	717.76	671.84	1,911,163.87	598,979.03	36.2520617	-107.4976415
7,208.00	93.02	111.63	5,575.71	695.38	728.52	1,911,141.69	599,035.79	36.2520002	-107.4974493
7,269.00	91.71	109.75	5,573.19	673.85	785.54	1,911,120.35	599,092.87	36.2519411	-107.4972559
7,329.00	91.21	109.59	5,571.67	653.66	842.02	1,911,100.36	599,149.42	36.2518856	-107.4970643
7,391.00	89.56	108.94	5,571.25	633.20	900.54	1,911,080.11	599,208.02	36.2518294	-107.4968659
7,451.00	88.90	107.55	5,572.06	614.42	957.52	1,911,061.52	599,265.06	36.2517778	-107.4966726
7,512.00	89.69	107.29	5,572.81	596.16	1,015.71	1,911,043.46	599,323.32	36.2517276	-107.4964752
7,573.00	90.07	105.90	5,572.93	578.74	1,074.17	1,911,026.24	599,381.83	36.2516798	-107.4962770
7,634.00	90.50	105.66	5,572.63	562.15	1,132.87	1,911,009.85	599,440.59	36.2516342	-107.4960779
7,697.00	90.44	105.92	5,572.11	545.01	1,193.49	1,910,992.92	599,501.27	36.2515871	-107.4958723
7,761.00	90.13	105.97	5,571.80	527.43	1,255.03	1,910,975.55	599,562.87	36.2515388	-107.4956636
7,824.00	90.50	106.26	5,571.45	509.94	1,315.55	1,910,958.27	599,623.45	36.2514908	-107.4954584
7,887.00	89.78	106.23	5,571.30	492.32	1,376.04	1,910,940.86	599,684.00	36.2514423	-107.4952532
7,950.00	90.13	105.92	5,571.34	474.87	1,436.57	1,910,923.62	599,744.59	36.2513944	-107.4950479
8,013.00	90.54	105.82	5,570.98	457.64	1,497.17	1,910,906.60	599,805.25	36.2513471	-107.4948424
8,076.00	90.75	105.00	5,570.27	440.90	1,557.90	1,910,890.07	599,866.04	36.2513011	-107.4946364
8,140.00	91.38	105.81	5,569.08	423.91	1,619.59	1,910,873.29	599,927.78	36.2512544	-107.4944272
8,203.00	90.34	107.64	5,568.13	405.78	1,679.92	1,910,855.37	599,988.17	36.2512046	-107.4942226
8,267.00	90.60	108.58	5,567.61	385.89	1,740.74	1,910,835.68	600,049.06	36.2511499	-107.4940164
8,330.00	89.60	108.69	5,567.50	365.76	1,800.44	1,910,815.76	600,108.83	36.2510946	-107.4938139
8,393.00	90.37	109.36	5,567.51	345.22	1,860.00	1,910,795.43	600,168.46	36.2510382	-107.4936119
8,456.00	89.08	109.66	5,567.82	324.18	1,919.38	1,910,774.59	600,227.91	36.2509804	-107.4934105
8,519.00	89.34	109.22	5,568.68	303.21	1,978.78	1,910,753.83	600,287.39	36.2509228	-107.4932091
8,583.00	90.24	108.84	5,568.92	282.35	2,039.28	1,910,733.17	600,347.96	36.2508654	-107.4930039
8,646.00	90.17	109.69	5,568.69	261.56	2,098.75	1,910,712.59	600,407.50	36.2508083	-107.4928022
8,709.00	90.13	107.90	5,568.53	241.26	2,158.39	1,910,692.50	600,467.21	36.2507525	-107.4926000
8,773.00	90.27	108.53	5,568.31	221.26	2,219.18	1,910,672.70	600,528.07	36.2506976	-107.4923938
8,836.00	89.43	106.85	5,568.47	202.12	2,279.20	1,910,653.77	600,588.15	36.2506450	-107.4921902
8,899.00	90.03	106.98	5,568.77	183.79	2,339.47	1,910,635.65	600,648.49	36.2505946	-107.4919858
8,962.00	90.37	107.11	5,568.55	165.32	2,399.71	1,910,617.39	600,708.78	36.2505439	-107.4917816
9,025.00	90.64	108.10	5,567.99	146.27	2,459.75	1,910,598.54	600,768.90	36.2504915	-107.4915779

Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #264H - Slot A3
Project:	T23N R6W	TVD Reference:	KB @ 6844.00usft (Original Well Elev)
Site:	Chaco 2306-05L	MD Reference:	KB @ 6844.00usft (Original Well Elev)
Well:	NE Chaco Com #264H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,089.00	90.13	107.06	5,567.56	126.94	2,520.76	1,910,579.42	600,829.97	36.2504384	-107.4913710
9,152.00	89.34	105.71	5,567.85	109.17	2,581.20	1,910,561.86	600,890.47	36.2503895	-107.4911661
9,216.00	90.20	106.06	5,568.11	91.65	2,642.76	1,910,544.55	600,952.08	36.2503414	-107.4909573
9,279.00	90.84	107.97	5,567.54	73.22	2,702.99	1,910,526.33	601,012.38	36.2502908	-107.4907530
9,342.00	90.24	108.15	5,566.94	53.69	2,762.89	1,910,507.00	601,072.34	36.2502371	-107.4905499
9,405.00	90.22	106.41	5,566.69	34.97	2,823.04	1,910,488.50	601,132.56	36.2501857	-107.4903459
9,469.00	89.96	106.23	5,566.59	16.99	2,884.46	1,910,470.72	601,194.04	36.2501362	-107.4901376
9,532.00	89.96	105.53	5,566.64	-0.25	2,945.06	1,910,453.69	601,254.70	36.2500889	-107.4899321
9,595.00	90.07	106.57	5,566.62	-17.67	3,005.60	1,910,436.48	601,315.30	36.2500410	-107.4897268
9,659.00	90.22	107.11	5,566.46	-36.21	3,066.85	1,910,418.16	601,376.62	36.2499901	-107.4895190
9,723.00	90.48	106.23	5,566.07	-54.57	3,128.16	1,910,400.01	601,437.99	36.2499396	-107.4893111
9,786.00	91.11	107.51	5,565.19	-72.85	3,188.44	1,910,381.93	601,498.34	36.2498894	-107.4891067
9,849.00	91.28	107.99	5,563.88	-92.05	3,248.43	1,910,362.94	601,558.39	36.2498366	-107.4889033
9,913.00	89.43	106.67	5,563.48	-111.11	3,309.52	1,910,344.09	601,619.54	36.2497842	-107.4886961
9,976.00	89.87	106.94	5,563.87	-129.33	3,369.83	1,910,326.08	601,679.91	36.2497342	-107.4884916
10,039.00	90.40	109.75	5,563.72	-149.15	3,429.62	1,910,306.46	601,739.77	36.2496797	-107.4882888
10,102.00	89.60	111.07	5,563.72	-171.12	3,488.66	1,910,284.69	601,798.89	36.2496193	-107.4880886
10,166.00	90.10	110.59	5,563.88	-193.88	3,548.48	1,910,262.14	601,858.79	36.2495568	-107.4878857
10,230.00	90.37	110.72	5,563.62	-216.45	3,608.37	1,910,239.77	601,918.75	36.2494947	-107.4876826
10,293.00	91.35	109.95	5,562.68	-238.34	3,667.43	1,910,218.09	601,977.89	36.2494346	-107.4874823
10,357.00	91.55	110.62	5,561.06	-260.53	3,727.44	1,910,196.11	602,037.98	36.2493736	-107.4872788
10,421.00	90.03	110.31	5,560.17	-282.90	3,787.40	1,910,173.94	602,098.01	36.2493121	-107.4870755
10,484.00	91.01	109.47	5,559.60	-304.33	3,846.63	1,910,152.72	602,157.32	36.2492532	-107.4868746
10,547.00	91.34	110.25	5,558.31	-325.73	3,905.87	1,910,131.52	602,216.63	36.2491944	-107.4866737
10,610.00	89.08	109.40	5,558.08	-347.09	3,965.14	1,910,110.36	602,275.97	36.2491357	-107.4864727
10,673.00	90.04	109.57	5,558.56	-368.11	4,024.53	1,910,089.55	602,335.43	36.2490780	-107.4862713
10,736.00	90.13	108.78	5,558.47	-388.80	4,084.03	1,910,069.07	602,395.00	36.2490211	-107.4860695
10,800.00	91.01	108.52	5,557.83	-409.26	4,144.67	1,910,048.81	602,455.71	36.2489649	-107.4858639
10,863.00	91.31	108.19	5,556.56	-429.10	4,204.45	1,910,029.18	602,515.56	36.2489103	-107.4856612
10,926.00	92.68	107.64	5,554.37	-448.47	4,264.36	1,910,010.02	602,575.53	36.2488571	-107.4854580
10,990.00	92.24	109.49	5,551.62	-468.82	4,324.97	1,909,989.87	602,636.21	36.2488012	-107.4852525
11,053.00	91.75	109.49	5,549.43	-489.83	4,384.32	1,909,969.07	602,695.64	36.2487434	-107.4850512
11,116.00	91.01	108.36	5,547.91	-510.26	4,443.90	1,909,948.85	602,755.29	36.2486873	-107.4848492
11,180.00	92.01	108.36	5,546.22	-530.41	4,504.62	1,909,928.91	602,816.08	36.2486319	-107.4846433
11,243.00	93.37	107.59	5,543.26	-549.83	4,564.47	1,909,909.69	602,876.00	36.2485785	-107.4844403
11,307.00	91.35	107.70	5,540.63	-569.21	4,625.41	1,909,890.52	602,937.00	36.2485253	-107.4842336
11,319.00	90.76	107.50	5,540.41	-572.84	4,636.84	1,909,886.93	602,948.45	36.2485153	-107.4841948
RSI @ 11,319' MD									
11,362.00	88.66	106.79	5,540.62	-585.51	4,677.93	1,909,874.40	602,989.58	36.2484805	-107.4840555
Last SDI Lateral MWD Survey									
11,427.00	88.66	106.79	5,542.14	-604.29	4,740.14	1,909,855.84	603,051.85	36.2484289	-107.4838445
Projection to TD									

Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #264H - Slot A3
Project:	T23N R6W	TVD Reference:	KB @ 6844.00usft (Original Well Elev)
Site:	Chaco 2306-05L	MD Reference:	KB @ 6844.00usft (Original Well Elev)
Well:	NE Chaco Com #264H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
TD / PBHL Chaco 2306-	0.00	0.00	5,492.00	-637.00	4,740.59	1,909,823.12	603,052.41	36.2483390	-107.4838430
- actual wellpath misses target center by 59.88usft at 11427.00usft MD (5542.14 TVD, -604.29 N, 4740.14 E)									
- Point									
POP Chaco 2306-05L 2ft	0.00	0.00	5,586.00	1,002.14	-122.07	1,911,445.52	598,184.14	36.2528430	-107.5003340
- actual wellpath misses target center by 71.88usft at 6308.56usft MD (5586.56 TVD, 1066.46 N, -89.98 E)									
- Point									

Design Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
497.00	496.98	-1.60	-1.59	First SDI Surface MWD Survey
5,109.00	4,875.72	1,095.73	-838.34	Last SDI Surface MWD Survey
5,141.00	4,907.39	1,100.21	-837.76	First SDI Curve MWD Survey
6,186.00	5,589.08	1,116.73	-201.65	Last SDI Curve MWD Survey
6,211.00	5,588.94	1,107.65	-178.36	First SDI Lateral MWD Survey
6,259.00	5,588.06	1,088.06	-134.56	7" Casing @ 6259' MD
11,319.00	5,540.41	-572.84	4,636.84	RSI @ 11,319' MD
11,362.00	5,540.62	-585.51	4,677.93	Last SDI Lateral MWD Survey
11,427.00	5,542.14	-604.29	4,740.14	Projection to TD

Checked By: _____ Approved By: _____ Date: _____