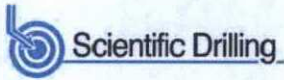


JASON C. EDWARDS
Certificate Number 15269

OIL CONS. DIV DIST. 3

AUG 19 2015



Company Name: WPX Energy
Project: T23N R6W
Site: Chaco 2306-05L
Well: NE Chaco Com #255H

WPX ENERGY



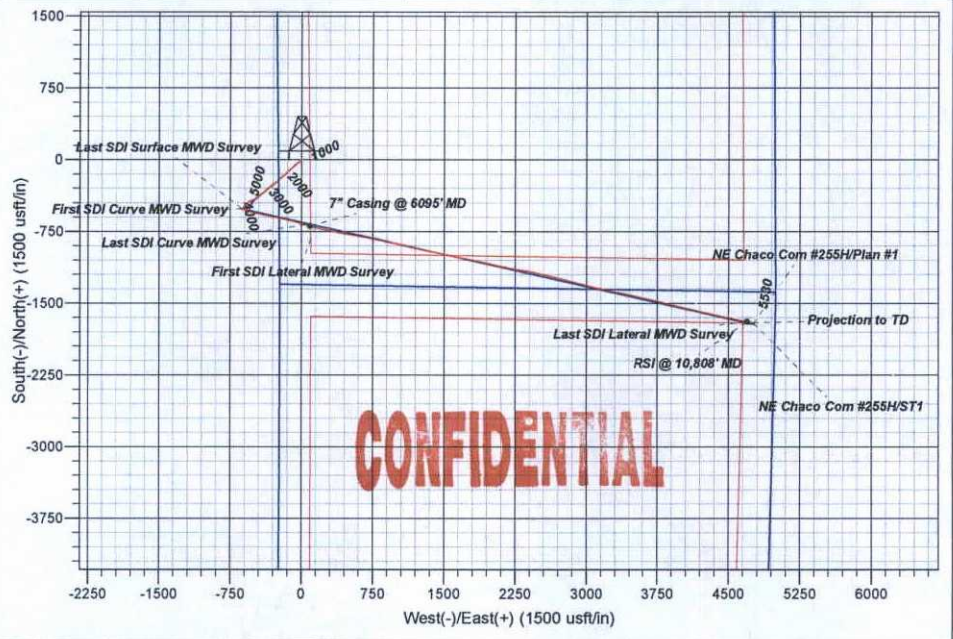
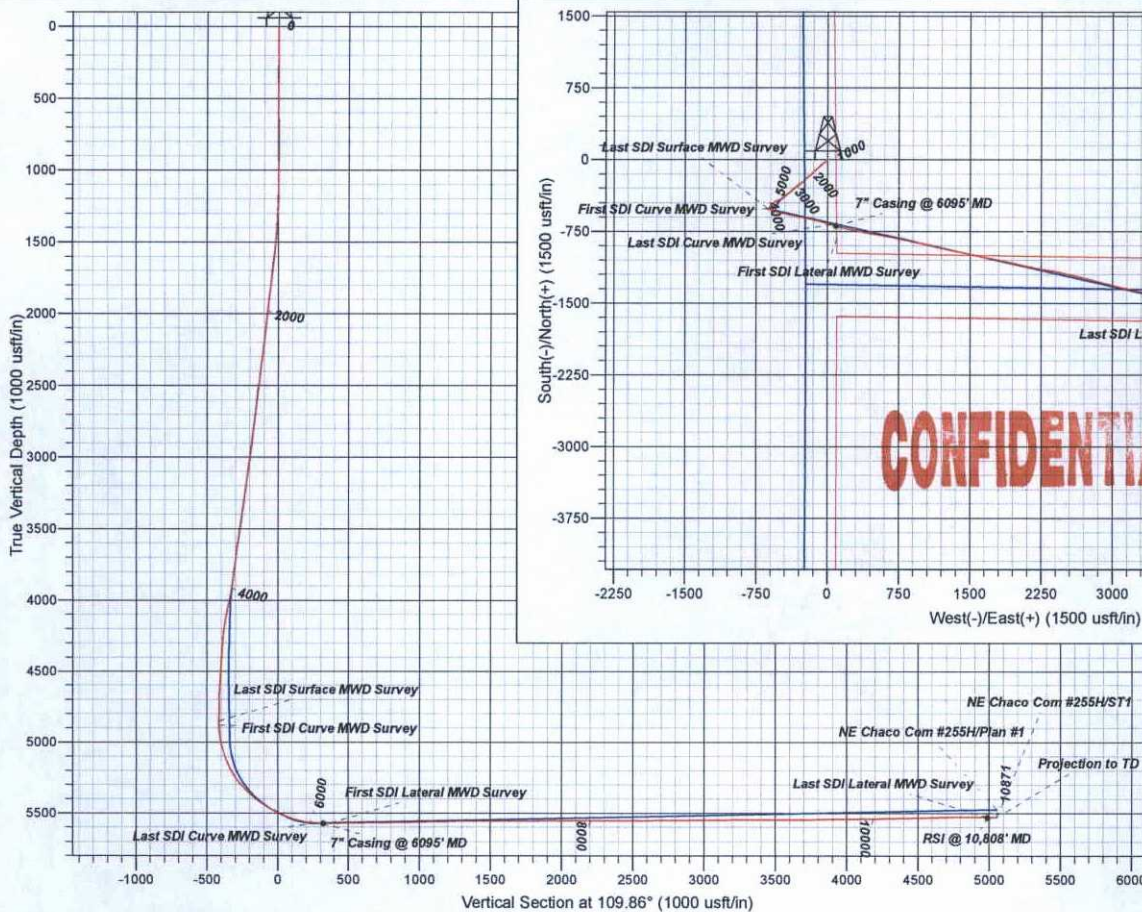
Azimuths to True North
Magnetic North: 9.36°

Magnetic Field
Strength: 50000.8nT
Dip Angle: 63.01°
Date: 4/22/2015
Model: BGGM2014

WELL DETAILS: NE Chaco Com #255H

+N/-S	+E/-W	GL 6830' & RKB 14' @ 6844.00usft (Aztec 730)		6830.00	
		Northing	Easting	Latitude	Longitude
0.00	0.00	1910403.70	598292.10	36.2499800	-107.4999800

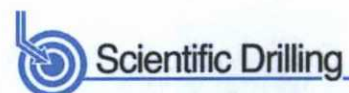
A1



Design: ST1 (NE Chaco Com #255H/ST1)
Created By: Janie Collins Date: 15:33, May 19 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 #255H - Slot A1
Project:	T23N R6W	TVD Reference:	GL 6830' & RKB 14' @ 6844.00usft (Aztec 730)
Site:	Chaco 2306-05L	MD Reference:	GL 6830' & RKB 14' @ 6844.00usft (Aztec 730)
Well:	NE Chaco Com #255H	North Reference:	True
Wellbore:	ST1	Survey Calculation Method:	Minimum Curvature
Design:	ST1	Database:	Grand Junction District

Project	T23N R6W	OIL CONS. DIV DIST. 3	
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)	AUG 19 2015	
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 °

CONFIDENTIAL

Well	NE Chaco Com #255H - Slot A1					
Well Position	+N/-S	0.00 usft	Northing:	1,910,403.71 usft	Latitude:	36.2499800
	+E/-W	0.00 usft	Easting:	598,292.11 usft	Longitude:	-107.4999800
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	6,830.00 usft	

Wellbore	ST1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2014	4/22/2015	9.36	63.01	50,001

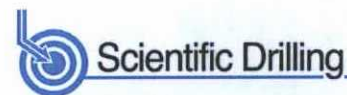
Design	ST1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	3,722.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	109.86	

Survey Program	Date	5/1/2015			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
64.00	360.00	Survey #1 (Wellbore #1)	GYRO-NS	Gyrocompass Gyro	
432.00	3,722.00	Survey #2 - Surface MWD Survey (Wellbo	SDI MWD	SDI MWD - Standard ver 1.0.1	
3,785.00	4,949.00	Survey #1 - Surface MWD Survey (ST1)	SDI MWD	SDI MWD - Standard ver 1.0.1	
4,980.00	6,048.00	Survey #2 - Curve MWD Survey (ST1)	SDI MWD	SDI MWD - Standard ver 1.0.1	
6,150.00	10,871.00	Survey #3 - Lateral MWD Survey (ST1)	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	1,910,403.71	598,292.11	36.2499800	-107.4999800
64.00	0.33	96.21	64.00	-0.02	0.18	1,910,403.69	598,292.29	36.2499799	-107.4999794
114.00	0.43	115.48	114.00	-0.12	0.50	1,910,403.59	598,292.60	36.2499797	-107.4999784
164.00	0.46	144.00	164.00	-0.36	0.78	1,910,403.35	598,292.89	36.2499790	-107.4999774
214.00	0.33	169.86	214.00	-0.66	0.93	1,910,403.05	598,293.04	36.2499782	-107.4999769
264.00	0.34	195.97	264.00	-0.95	0.91	1,910,402.76	598,293.02	36.2499774	-107.4999770
314.00	0.36	217.88	313.99	-1.21	0.77	1,910,402.49	598,292.88	36.2499766	-107.4999774
360.00	0.31	190.96	359.99	-1.45	0.66	1,910,402.26	598,292.77	36.2499760	-107.4999778



Survey Report - Geographic



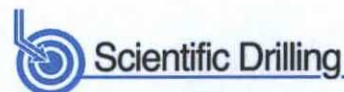
Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #255H - Slot A1
Project:	T23N R6W	TVD Reference:	GL 6830' & RKB 14' @ 6844.00usft (Aztec 730)
Site:	Chaco 2306-05L	MD Reference:	GL 6830' & RKB 14' @ 6844.00usft (Aztec 730)
Well:	NE Chaco Com #255H	North Reference:	True
Wellbore:	ST1	Survey Calculation Method:	Minimum Curvature
Design:	ST1	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
432.00	0.38	244.18	431.99	-1.75	0.41	1,910,401.96	598,292.52	36.2499752	-107.4999787
464.00	0.24	201.43	463.99	-1.85	0.29	1,910,401.85	598,292.40	36.2499749	-107.4999791
527.00	0.64	237.59	526.99	-2.17	-0.06	1,910,401.54	598,292.06	36.2499740	-107.4999802
589.00	0.62	234.45	588.99	-2.55	-0.62	1,910,401.16	598,291.49	36.2499730	-107.4999822
652.00	0.54	192.66	651.98	-3.03	-0.96	1,910,400.67	598,291.15	36.2499716	-107.4999833
715.00	0.57	222.52	714.98	-3.55	-1.24	1,910,400.15	598,290.88	36.2499702	-107.4999843
778.00	0.36	194.41	777.98	-3.98	-1.50	1,910,399.72	598,290.62	36.2499690	-107.4999851
841.00	0.65	174.21	840.98	-4.52	-1.51	1,910,399.18	598,290.61	36.2499675	-107.4999852
903.00	0.80	158.71	902.97	-5.28	-1.32	1,910,398.42	598,290.80	36.2499655	-107.4999845
966.00	1.08	163.37	965.96	-6.26	-0.99	1,910,397.45	598,291.14	36.2499628	-107.4999834
1,029.00	0.74	140.58	1,028.95	-7.14	-0.56	1,910,396.56	598,291.57	36.2499604	-107.4999820
1,092.00	0.76	278.63	1,091.95	-7.39	-0.72	1,910,396.31	598,291.41	36.2499597	-107.4999825
1,155.00	1.80	273.02	1,154.94	-7.28	-2.12	1,910,396.42	598,290.01	36.2499600	-107.4999872
1,216.00	2.55	255.01	1,215.89	-7.58	-4.39	1,910,396.11	598,287.75	36.2499592	-107.4999949
1,277.00	4.09	237.29	1,276.79	-9.10	-7.53	1,910,394.58	598,284.61	36.2499550	-107.5000056
1,339.00	6.01	228.36	1,338.55	-12.46	-11.82	1,910,391.21	598,280.33	36.2499458	-107.5000201
1,400.00	7.44	232.40	1,399.13	-16.99	-17.33	1,910,386.66	598,274.83	36.2499333	-107.5000388
1,461.00	9.29	235.03	1,459.47	-22.22	-24.50	1,910,381.40	598,267.69	36.2499189	-107.5000631
1,523.00	10.47	231.94	1,520.55	-28.56	-33.03	1,910,375.03	598,259.17	36.2499015	-107.5000921
1,584.00	11.67	234.91	1,580.42	-35.52	-42.45	1,910,368.04	598,249.78	36.2498824	-107.5001240
1,645.00	13.12	235.99	1,640.00	-42.94	-53.23	1,910,360.58	598,239.02	36.2498620	-107.5001606
1,707.00	13.90	229.29	1,700.28	-51.74	-64.71	1,910,351.75	598,227.57	36.2498378	-107.5001995
1,768.00	14.36	227.99	1,759.44	-61.58	-75.89	1,910,341.87	598,216.43	36.2498108	-107.5002374
1,829.00	14.24	225.63	1,818.55	-71.89	-86.87	1,910,331.52	598,205.48	36.2497825	-107.5002747
1,891.00	14.39	227.28	1,878.62	-82.45	-97.98	1,910,320.92	598,194.41	36.2497535	-107.5003123
1,952.00	13.85	226.88	1,937.78	-92.58	-108.88	1,910,310.75	598,183.55	36.2497256	-107.5003493
2,013.00	14.30	228.82	1,996.95	-102.53	-119.88	1,910,300.76	598,172.58	36.2496983	-107.5003866
2,075.00	14.54	228.52	2,057.00	-112.73	-131.47	1,910,290.53	598,161.02	36.2496703	-107.5004259
2,136.00	14.38	227.54	2,116.06	-122.91	-142.80	1,910,280.30	598,149.73	36.2496423	-107.5004643
2,197.00	14.48	229.05	2,175.14	-133.03	-154.15	1,910,270.15	598,138.42	36.2496145	-107.5005028
2,259.00	13.62	226.86	2,235.28	-143.10	-165.33	1,910,260.04	598,127.27	36.2495869	-107.5005407
2,320.00	14.21	228.68	2,294.49	-152.95	-176.19	1,910,250.15	598,116.44	36.2495598	-107.5005776
2,381.00	13.99	230.56	2,353.66	-162.58	-187.51	1,910,240.48	598,105.16	36.2495333	-107.5006160
2,443.00	13.45	227.22	2,413.89	-172.24	-198.59	1,910,230.79	598,094.11	36.2495068	-107.5006535
2,504.00	14.41	227.95	2,473.09	-182.14	-209.43	1,910,220.85	598,083.30	36.2494796	-107.5006903
2,565.00	14.57	230.84	2,532.15	-192.07	-221.02	1,910,210.88	598,071.75	36.2494523	-107.5007296
2,627.00	14.60	230.23	2,592.16	-201.99	-233.07	1,910,200.91	598,059.73	36.2494251	-107.5007705
2,688.00	13.63	229.30	2,651.31	-211.60	-244.43	1,910,191.27	598,048.41	36.2493987	-107.5008090
2,749.00	13.31	225.52	2,710.64	-221.20	-254.89	1,910,181.63	598,037.98	36.2493723	-107.5008445
2,811.00	13.54	229.86	2,770.94	-230.88	-265.53	1,910,171.91	598,027.37	36.2493457	-107.5008806
2,872.00	14.64	230.65	2,830.11	-240.38	-276.95	1,910,162.38	598,015.99	36.2493196	-107.5009193
2,935.00	13.77	228.16	2,891.18	-250.43	-288.69	1,910,152.29	598,004.28	36.2492920	-107.5009591
2,998.00	14.46	230.10	2,952.28	-260.47	-300.31	1,910,142.20	597,992.69	36.2492644	-107.5009985
3,060.00	14.23	229.99	3,012.35	-270.34	-312.09	1,910,132.30	597,980.95	36.2492373	-107.5010385
3,123.00	14.34	232.12	3,073.40	-280.11	-324.18	1,910,122.49	597,968.90	36.2492105	-107.5010795
3,186.00	14.48	232.21	3,134.42	-289.72	-336.56	1,910,112.83	597,956.55	36.2491841	-107.5011214
3,249.00	14.26	230.07	3,195.45	-299.53	-348.73	1,910,102.98	597,944.41	36.2491571	-107.5011627
3,312.00	15.63	231.99	3,256.31	-309.74	-361.37	1,910,092.73	597,931.80	36.2491291	-107.5012056
3,375.00	14.96	234.17	3,317.08	-319.72	-374.65	1,910,082.70	597,918.56	36.2491017	-107.5012506
3,438.00	14.68	231.01	3,377.99	-329.51	-387.45	1,910,072.87	597,905.79	36.2490748	-107.5012940
3,500.00	15.59	232.42	3,437.84	-339.53	-400.16	1,910,062.80	597,893.12	36.2490472	-107.5013371
3,563.00	15.45	234.22	3,498.54	-349.60	-413.67	1,910,052.69	597,879.64	36.2490196	-107.5013830
3,626.00	15.19	233.06	3,559.30	-359.47	-427.08	1,910,042.77	597,866.27	36.2489925	-107.5014284
3,689.00	14.38	229.79	3,620.22	-369.48	-439.65	1,910,032.72	597,853.73	36.2489650	-107.5014711
3,722.00	14.01	229.30	3,652.21	-374.73	-445.81	1,910,027.45	597,847.59	36.2489505	-107.5014919



Survey Report - Geographic



Company: WPX Energy
Project: T23N R6W
Site: Chaco 2306-05L
Well: NE Chaco Com #255H
Wellbore: ST1
Design: ST1

Local Co-ordinate Reference: Well NE Chaco Com #255H - Slot A1
TVD Reference: GL 6830' & RKB 14' @ 6844.00usft (Aztec 730)
MD Reference: GL 6830' & RKB 14' @ 6844.00usft (Aztec 730)
North Reference: True
Survey Calculation Method: Minimum Curvature
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
3,785.00	14.61	232.15	3,713.25	-384.58	-457.86	1,910,017.56	597,835.57	36.2489235	-107.5015328
3,848.00	14.26	228.19	3,774.27	-394.62	-469.92	1,910,007.47	597,823.55	36.2488959	-107.5015737
3,911.00	14.48	227.06	3,835.30	-405.16	-481.47	1,909,996.89	597,812.03	36.2488669	-107.5016129
3,974.00	13.48	236.70	3,896.44	-414.56	-493.38	1,909,987.45	597,800.16	36.2488411	-107.5016533
4,037.00	15.15	256.04	3,957.51	-420.58	-507.51	1,909,981.38	597,786.05	36.2488246	-107.5017012
4,100.00	15.44	253.17	4,018.28	-425.00	-523.53	1,909,976.91	597,770.04	36.2488124	-107.5017555
4,162.00	15.31	248.91	4,078.07	-430.33	-539.07	1,909,971.52	597,754.53	36.2487978	-107.5018082
4,225.00	15.37	239.68	4,138.83	-437.54	-554.03	1,909,964.26	597,739.58	36.2487780	-107.5018590
4,288.00	14.11	232.21	4,199.76	-446.46	-567.31	1,909,955.30	597,726.33	36.2487535	-107.5019040
4,351.00	13.03	221.75	4,261.01	-456.47	-578.11	1,909,945.25	597,715.57	36.2487260	-107.5019406
4,414.00	12.53	220.97	4,322.45	-466.93	-587.32	1,909,934.76	597,706.39	36.2486973	-107.5019719
4,477.00	10.76	222.78	4,384.15	-476.40	-595.80	1,909,925.26	597,697.95	36.2486712	-107.5020006
4,540.00	9.92	217.83	4,446.13	-485.01	-603.12	1,909,916.63	597,690.66	36.2486476	-107.5020254
4,603.00	8.76	217.84	4,508.29	-493.08	-609.39	1,909,908.53	597,684.41	36.2486254	-107.5020467
4,666.00	6.64	223.50	4,570.72	-499.51	-614.84	1,909,902.08	597,678.99	36.2486077	-107.5020652
4,729.00	5.54	225.29	4,633.37	-504.29	-619.51	1,909,897.28	597,674.33	36.2485946	-107.5020810
4,792.00	4.18	217.43	4,696.14	-508.26	-623.07	1,909,893.31	597,670.79	36.2485837	-107.5020931
4,854.00	2.88	205.60	4,758.02	-511.46	-625.11	1,909,890.10	597,668.76	36.2485749	-107.5021000
4,917.00	0.69	212.27	4,820.99	-513.20	-626.00	1,909,888.35	597,667.87	36.2485701	-107.5021030
4,949.00	0.51	193.71	4,852.99	-513.51	-626.14	1,909,888.05	597,667.74	36.2485693	-107.5021035
Last SDI Surface MWD Survey									
4,980.00	1.56	111.30	4,883.98	-513.79	-625.78	1,909,887.76	597,668.10	36.2485685	-107.5021023
First SDI Curve MWD Survey									
5,011.00	3.78	111.84	4,914.95	-514.33	-624.44	1,909,887.23	597,669.44	36.2485670	-107.5020977
5,043.00	6.30	110.09	4,946.82	-515.32	-621.81	1,909,886.25	597,672.08	36.2485643	-107.5020888
5,074.00	9.92	104.15	4,977.50	-516.56	-617.62	1,909,885.02	597,676.27	36.2485609	-107.5020746
5,106.00	12.38	104.36	5,008.90	-518.08	-611.62	1,909,883.52	597,682.27	36.2485567	-107.5020543
5,137.00	15.29	102.23	5,039.00	-519.77	-604.41	1,909,881.86	597,689.49	36.2485521	-107.5020298
5,169.00	17.53	102.66	5,069.69	-521.73	-595.58	1,909,879.94	597,698.33	36.2485467	-107.5019999
5,200.00	19.44	105.14	5,099.09	-524.10	-586.04	1,909,877.60	597,707.87	36.2485402	-107.5019675
5,231.00	21.35	106.59	5,128.15	-527.05	-575.66	1,909,874.67	597,718.27	36.2485321	-107.5019323
5,263.00	24.09	107.36	5,157.66	-530.67	-563.84	1,909,871.10	597,730.10	36.2485222	-107.5018922
5,294.00	26.70	106.99	5,185.66	-534.59	-551.14	1,909,867.22	597,742.81	36.2485114	-107.5018491
5,326.00	30.78	104.75	5,213.71	-538.78	-536.34	1,909,863.09	597,757.63	36.2484999	-107.5017990
5,357.00	33.78	103.70	5,239.92	-542.84	-520.29	1,909,859.08	597,773.69	36.2484887	-107.5017445
5,388.00	36.58	103.40	5,265.26	-547.02	-502.93	1,909,854.96	597,791.07	36.2484772	-107.5016856
5,420.00	38.22	104.16	5,290.68	-551.65	-484.05	1,909,850.39	597,809.96	36.2484645	-107.5016216
5,451.00	42.48	103.43	5,314.30	-556.43	-464.56	1,909,845.68	597,829.46	36.2484514	-107.5015555
5,483.00	46.31	102.85	5,337.16	-561.52	-442.77	1,909,840.67	597,851.28	36.2484374	-107.5014816
5,514.00	47.25	103.22	5,358.39	-566.61	-420.76	1,909,835.65	597,873.30	36.2484234	-107.5014070
5,545.00	48.97	102.36	5,379.08	-571.72	-398.25	1,909,830.62	597,895.82	36.2484094	-107.5013307
5,577.00	51.69	102.46	5,399.51	-577.01	-374.20	1,909,825.41	597,919.89	36.2483948	-107.5012491
5,608.00	55.68	102.00	5,417.87	-582.30	-349.79	1,909,820.21	597,944.32	36.2483803	-107.5011663
5,639.00	58.16	102.66	5,434.78	-587.85	-324.42	1,909,814.74	597,969.71	36.2483651	-107.5010803
5,671.00	58.09	102.16	5,451.68	-593.69	-297.88	1,909,809.00	597,996.27	36.2483490	-107.5009903
5,702.00	58.21	101.20	5,468.04	-599.02	-272.09	1,909,803.75	598,022.08	36.2483344	-107.5009028
5,734.00	59.28	101.02	5,484.64	-604.29	-245.25	1,909,798.58	598,048.94	36.2483199	-107.5008118
5,765.00	63.31	102.02	5,499.53	-609.72	-218.61	1,909,793.23	598,075.59	36.2483050	-107.5007214
5,797.00	65.72	102.64	5,513.30	-615.89	-190.40	1,909,787.16	598,103.83	36.2482880	-107.5006257
5,828.00	68.07	102.42	5,525.46	-622.08	-162.56	1,909,781.07	598,131.68	36.2482711	-107.5005314
5,859.00	70.68	101.70	5,536.38	-628.14	-134.19	1,909,775.11	598,160.07	36.2482544	-107.5004351
5,891.00	73.88	102.49	5,546.12	-634.53	-104.39	1,909,768.82	598,189.90	36.2482369	-107.5003341
5,922.00	76.64	103.50	5,554.01	-641.27	-75.18	1,909,762.18	598,219.13	36.2482183	-107.5002350
5,954.00	79.58	105.85	5,560.60	-649.20	-44.90	1,909,754.35	598,249.44	36.2481965	-107.5001323
5,985.00	82.23	106.77	5,565.50	-657.80	-15.52	1,909,745.86	598,278.85	36.2481729	-107.5000327

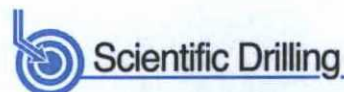
Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #255H - Slot A1
Project:	T23N R6W	TVD Reference:	GL 6830' & RKB 14' @ 6844.00usft (Aztec 730)
Site:	Chaco 2306-05L	MD Reference:	GL 6830' & RKB 14' @ 6844.00usft (Aztec 730)
Well:	NE Chaco Com #255H	North Reference:	True
Wellbore:	ST1	Survey Calculation Method:	Minimum Curvature
Design:	ST1	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
6,017.00	84.90	106.90	5,569.09	-667.01	14.91	1,909,736.75	598,309.31	36.2481476	-107.4999295
6,048.00	86.52	106.72	5,571.41	-675.95	44.50	1,909,727.92	598,338.93	36.2481231	-107.4998291
Last SDI Curve MWD Survey									
6,095.00	88.98	106.45	5,573.25	-689.35	89.51	1,909,714.67	598,383.98	36.2480862	-107.4996765
36.2480964, -107.4996886 - 7" Casing @ 6095' MD									
6,150.00	91.85	106.13	5,572.86	-704.78	142.29	1,909,699.42	598,436.82	36.2480439	-107.4994975
First SDI Lateral MWD Survey									
6,211.00	91.14	103.59	5,571.26	-720.41	201.23	1,909,683.99	598,495.81	36.2480009	-107.4992976
6,272.00	90.64	101.41	5,570.32	-733.61	260.77	1,909,670.99	598,555.40	36.2479647	-107.4990957
6,334.00	89.60	101.10	5,570.19	-745.71	321.58	1,909,659.10	598,616.25	36.2479314	-107.4988895
6,395.00	90.24	101.50	5,570.27	-757.67	381.39	1,909,647.36	598,676.10	36.2478986	-107.4986866
6,456.00	90.84	100.68	5,569.70	-769.40	441.25	1,909,635.83	598,736.00	36.2478663	-107.4984836
6,518.00	90.47	99.55	5,568.99	-780.29	502.28	1,909,625.15	598,797.07	36.2478364	-107.4982766
6,579.00	90.98	99.15	5,568.22	-790.20	562.47	1,909,615.45	598,857.29	36.2478092	-107.4980725
6,640.00	91.55	98.91	5,566.87	-799.77	622.70	1,909,606.09	598,917.55	36.2477829	-107.4978683
6,702.00	91.31	100.36	5,565.32	-810.14	683.80	1,909,595.92	598,978.69	36.2477544	-107.4976611
6,763.00	91.75	101.90	5,563.69	-821.91	743.63	1,909,584.36	599,038.56	36.2477221	-107.4974582
6,825.00	91.41	101.54	5,561.98	-834.50	804.31	1,909,571.98	599,099.29	36.2476875	-107.4972524
6,886.00	90.50	102.65	5,560.97	-847.28	863.95	1,909,559.40	599,158.97	36.2476524	-107.4970501
6,947.00	91.24	101.96	5,560.04	-860.28	923.54	1,909,546.61	599,218.60	36.2476166	-107.4968480
7,009.00	91.58	102.92	5,558.51	-873.63	984.07	1,909,533.47	599,279.17	36.2475800	-107.4966428
7,070.00	91.08	103.30	5,557.10	-887.46	1,043.46	1,909,519.84	599,338.61	36.2475420	-107.4964413
7,131.00	90.77	103.28	5,556.11	-901.48	1,102.82	1,909,506.02	599,398.02	36.2475034	-107.4962400
7,192.00	89.36	101.49	5,556.05	-914.57	1,162.39	1,909,493.14	599,457.64	36.2474675	-107.4960380
7,254.00	89.96	101.56	5,556.41	-926.95	1,223.14	1,909,480.97	599,518.43	36.2474335	-107.4958320
7,315.00	90.13	102.92	5,556.37	-939.89	1,282.76	1,909,468.24	599,578.09	36.2473979	-107.4956298
7,376.00	90.13	101.95	5,556.23	-953.02	1,342.32	1,909,455.31	599,637.70	36.2473618	-107.4954278
7,439.00	89.46	101.36	5,556.45	-965.75	1,404.02	1,909,442.80	599,699.44	36.2473269	-107.4952186
7,502.00	90.13	103.40	5,556.68	-979.25	1,465.55	1,909,429.50	599,761.02	36.2472897	-107.4950099
7,565.00	89.97	102.94	5,556.62	-993.61	1,526.90	1,909,415.36	599,822.41	36.2472503	-107.4948019
7,628.00	89.46	101.53	5,556.94	-1,006.96	1,588.46	1,909,402.22	599,884.03	36.2472136	-107.4945931
7,691.00	90.91	102.16	5,556.73	-1,019.89	1,650.12	1,909,389.50	599,945.73	36.2471781	-107.4943840
7,754.00	91.01	101.00	5,555.68	-1,032.53	1,711.83	1,909,377.07	600,007.48	36.2471433	-107.4941747
7,817.00	90.44	101.90	5,554.88	-1,045.04	1,773.57	1,909,364.78	600,069.26	36.2471090	-107.4939653
7,880.00	90.61	101.37	5,554.30	-1,057.74	1,835.27	1,909,352.28	600,131.01	36.2470741	-107.4937561
7,943.00	89.87	102.00	5,554.04	-1,070.50	1,896.96	1,909,339.74	600,192.74	36.2470390	-107.4935469
8,005.00	90.30	103.68	5,553.95	-1,084.28	1,957.41	1,909,326.17	600,253.24	36.2470011	-107.4933419
8,068.00	89.69	102.79	5,553.95	-1,098.70	2,018.74	1,909,311.95	600,314.61	36.2469615	-107.4931339
8,131.00	90.07	103.00	5,554.08	-1,112.76	2,080.15	1,909,298.11	600,376.07	36.2469229	-107.4929257
8,194.00	90.04	101.82	5,554.02	-1,126.30	2,141.67	1,909,284.78	600,437.64	36.2468857	-107.4927170
8,257.00	89.96	100.15	5,554.02	-1,138.31	2,203.52	1,909,272.99	600,499.53	36.2468527	-107.4925073
8,319.00	90.67	99.30	5,553.68	-1,148.78	2,264.63	1,909,262.73	600,560.67	36.2468239	-107.4923000
8,382.00	90.47	98.81	5,553.06	-1,158.69	2,326.84	1,909,253.03	600,622.92	36.2467966	-107.4920891
8,445.00	89.73	99.26	5,552.95	-1,168.59	2,389.05	1,909,243.35	600,685.17	36.2467695	-107.4918781
8,508.00	90.07	102.00	5,553.06	-1,180.21	2,450.97	1,909,231.94	600,747.12	36.2467375	-107.4916681
8,571.00	90.91	101.81	5,552.52	-1,193.20	2,512.61	1,909,219.16	600,808.81	36.2467018	-107.4914591
8,634.00	91.04	103.23	5,551.45	-1,206.86	2,574.10	1,909,205.71	600,870.34	36.2466643	-107.4912505
8,696.00	90.40	104.57	5,550.67	-1,221.75	2,634.28	1,909,191.03	600,930.57	36.2466234	-107.4910465
8,759.00	90.74	103.80	5,550.04	-1,237.19	2,695.35	1,909,175.80	600,991.70	36.2465809	-107.4908394
8,822.00	89.87	104.10	5,549.70	-1,252.38	2,756.49	1,909,160.82	601,052.89	36.2465392	-107.4906320
8,885.00	90.20	103.66	5,549.67	-1,267.49	2,817.66	1,909,145.92	601,114.11	36.2464977	-107.4904246
8,948.00	90.30	104.73	5,549.39	-1,282.94	2,878.73	1,909,130.68	601,175.23	36.2464552	-107.4902175
9,011.00	90.74	105.32	5,548.82	-1,299.27	2,939.57	1,909,114.56	601,236.13	36.2464103	-107.4900112
9,074.00	90.04	104.81	5,548.39	-1,315.64	3,000.41	1,909,098.40	601,297.02	36.2463653	-107.4898049
9,137.00	90.37	103.89	5,548.16	-1,331.26	3,061.44	1,909,082.99	601,358.11	36.2463224	-107.4895979



Survey Report - Geographic



Company: WPX Energy
Project: T23N R6W
Site: Chaco 2306-05L
Well: NE Chaco Com #255H
Wellbore: ST1
Design: ST1

Local Co-ordinate Reference: Well NE Chaco Com #255H - Slot A1
TVD Reference: GL 6830' & RKB 14' @ 6844.00usft (Aztec 730)
MD Reference: GL 6830' & RKB 14' @ 6844.00usft (Aztec 730)
North Reference: True
Survey Calculation Method: Minimum Curvature
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
9,199.00	89.70	101.64	5,548.13	-1,344.95	3,121.90	1,909,069.50	601,418.62	36.2462848	-107.4893928
9,262.00	89.66	101.49	5,548.48	-1,357.58	3,183.62	1,909,057.08	601,480.38	36.2462500	-107.4891835
9,325.00	90.24	101.81	5,548.53	-1,370.31	3,245.32	1,909,044.57	601,542.13	36.2462151	-107.4889743
9,388.00	89.96	100.76	5,548.42	-1,382.63	3,307.11	1,909,032.46	601,603.95	36.2461812	-107.4887648
9,451.00	89.87	100.24	5,548.52	-1,394.12	3,369.05	1,909,021.19	601,665.93	36.2461496	-107.4885547
9,514.00	90.51	102.76	5,548.31	-1,406.67	3,430.78	1,909,008.84	601,727.71	36.2461151	-107.4883454
9,576.00	90.67	102.35	5,547.67	-1,420.15	3,491.29	1,908,995.58	601,788.27	36.2460781	-107.4881402
9,639.00	91.95	101.62	5,546.23	-1,433.23	3,552.90	1,908,982.71	601,849.92	36.2460421	-107.4879313
9,702.00	91.04	103.68	5,544.59	-1,447.02	3,614.35	1,908,969.13	601,911.41	36.2460042	-107.4877229
9,765.00	90.50	103.68	5,543.74	-1,461.92	3,675.56	1,908,954.44	601,972.67	36.2459633	-107.4875153
9,828.00	89.83	104.69	5,543.56	-1,477.36	3,736.63	1,908,939.21	602,033.80	36.2459208	-107.4873082
9,890.00	90.30	104.32	5,543.49	-1,492.89	3,796.66	1,908,923.89	602,093.88	36.2458782	-107.4871046
9,953.00	91.01	103.62	5,542.77	-1,508.09	3,857.79	1,908,908.90	602,155.06	36.2458364	-107.4868973
10,016.00	91.88	103.48	5,541.18	-1,522.85	3,919.02	1,908,894.35	602,216.34	36.2457958	-107.4866897
10,079.00	91.04	103.55	5,539.57	-1,537.57	3,980.25	1,908,879.84	602,277.62	36.2457553	-107.4864821
10,142.00	90.17	103.38	5,538.91	-1,552.24	4,041.51	1,908,865.38	602,338.94	36.2457150	-107.4862743
10,205.00	90.81	103.07	5,538.37	-1,566.65	4,102.84	1,908,851.18	602,400.31	36.2456754	-107.4860663
10,268.00	91.35	102.37	5,537.18	-1,580.52	4,164.28	1,908,837.53	602,461.80	36.2456373	-107.4858580
10,330.00	92.12	102.97	5,535.30	-1,594.11	4,224.75	1,908,824.14	602,522.31	36.2455999	-107.4856529
10,393.00	92.25	102.59	5,532.90	-1,608.04	4,286.14	1,908,810.43	602,583.75	36.2455616	-107.4854448
10,456.00	91.38	103.03	5,530.91	-1,622.00	4,347.54	1,908,796.68	602,645.20	36.2455233	-107.4852365
10,519.00	91.48	102.20	5,529.34	-1,635.75	4,409.00	1,908,783.13	602,706.71	36.2454854	-107.4850281
10,582.00	91.45	102.98	5,527.72	-1,649.48	4,470.46	1,908,769.62	602,768.22	36.2454477	-107.4848197
10,645.00	88.89	100.45	5,527.54	-1,662.27	4,532.14	1,908,757.04	602,829.94	36.2454125	-107.4846105
10,707.00	89.60	101.02	5,528.35	-1,673.82	4,593.05	1,908,745.70	602,890.89	36.2453808	-107.4844040
10,770.00	89.40	99.13	5,528.90	-1,684.84	4,655.07	1,908,734.90	602,952.95	36.2453505	-107.4841937
10,808.00	89.25	100.06	5,529.35	-1,691.17	4,692.54	1,908,728.69	602,990.44	36.2453331	-107.4840666
36.2453444, -107.4840783 - RSI @ 10,808' MD - Last SDI Lateral MWD Survey									
10,871.00	89.25	100.06	5,530.18	-1,702.17	4,754.57	1,908,717.90	603,052.50	36.2453028	-107.4838563
Projection to TD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,949.00	4,852.99	-513.51	-626.14	Last SDI Surface MWD Survey
4,980.00	4,883.98	-513.79	-625.78	First SDI Curve MWD Survey
6,048.00	5,571.41	-675.95	44.50	Last SDI Curve MWD Survey
6,095.00	5,573.25	-689.35	89.51	36.2480964, -107.4996886
6,095.00	5,573.25	-689.35	89.51	7" Casing @ 6095' MD
6,150.00	5,572.86	-704.78	142.29	First SDI Lateral MWD Survey
10,808.00	5,529.35	-1,691.17	4,692.54	36.2453444, -107.4840783
10,808.00	5,529.35	-1,691.17	4,692.54	RSI @ 10,808' MD
10,808.00	5,529.35	-1,691.17	4,692.54	Last SDI Lateral MWD Survey
10,871.00	5,530.18	-1,702.17	4,754.57	Projection to TD

Checked By: _____ Approved By: _____ Date: _____