

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

1 API Number 30-039-31108		2 Pool Code 71629		3 Pool Name BASIN FRUITLAND COAL	
4 Property Code 301345		5 Property Name SCHALK 32			6 Well Number 3H
7 GRID No. 120782		8 Operator Name WPX ENERGY PRODUCTION, LLC			9 Elevation 6957'

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	32	31N	4W		2070	SOUTH	660	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

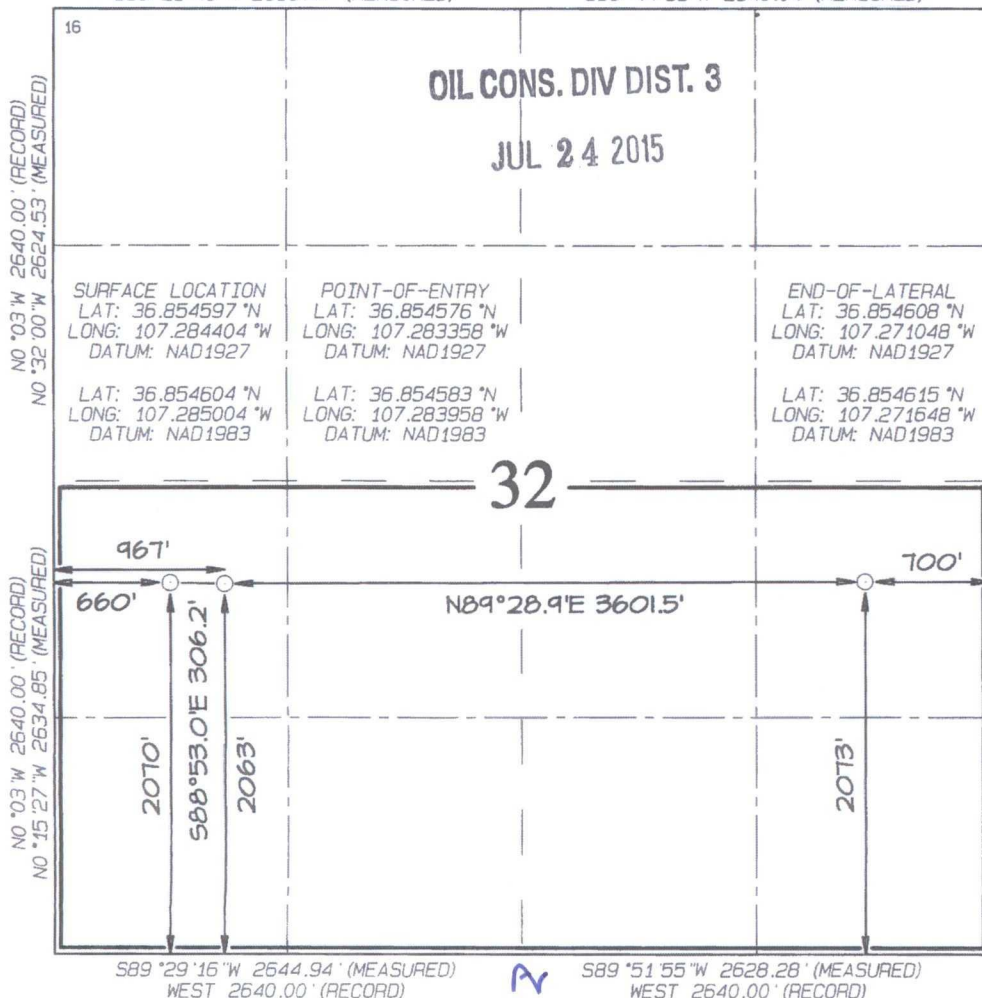
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	32	31N	4W		2073	SOUTH	700	EAST	RIO ARriba

12 Dedicated Acres 320.0 Acres - (S/2)					13 Joint or Infill	14 Consolidation Code	15 Order No.		
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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°58'W 2639.01' (RECORD)
S89°28'49"W 2636.47' (MEASURED)

N89°58'W 2639.01' (RECORD)
S89°44'53"W 2640.04' (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 a compulsory pooling order heretofore entered by the division.

Signature
LACEY GRANILLO

Date
7/23/15

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: JULY 22, 2015
Date of Survey: AUGUST 9, 2011

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



WPX Energy

T31N R4W Rosa Unit
Schalk 32 3H
Schalk 32 3H - Slot A1

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

21 July, 2015



www.scientificdrilling.com



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Scientific Drilling



OIL CONS. DIV DIST. 3

JUL 24 2015



Company Name: WPX Energy
Project: T31N R4W Rosa Unit
Site: Schalk 32 3H
Well: Schalk 32 3H

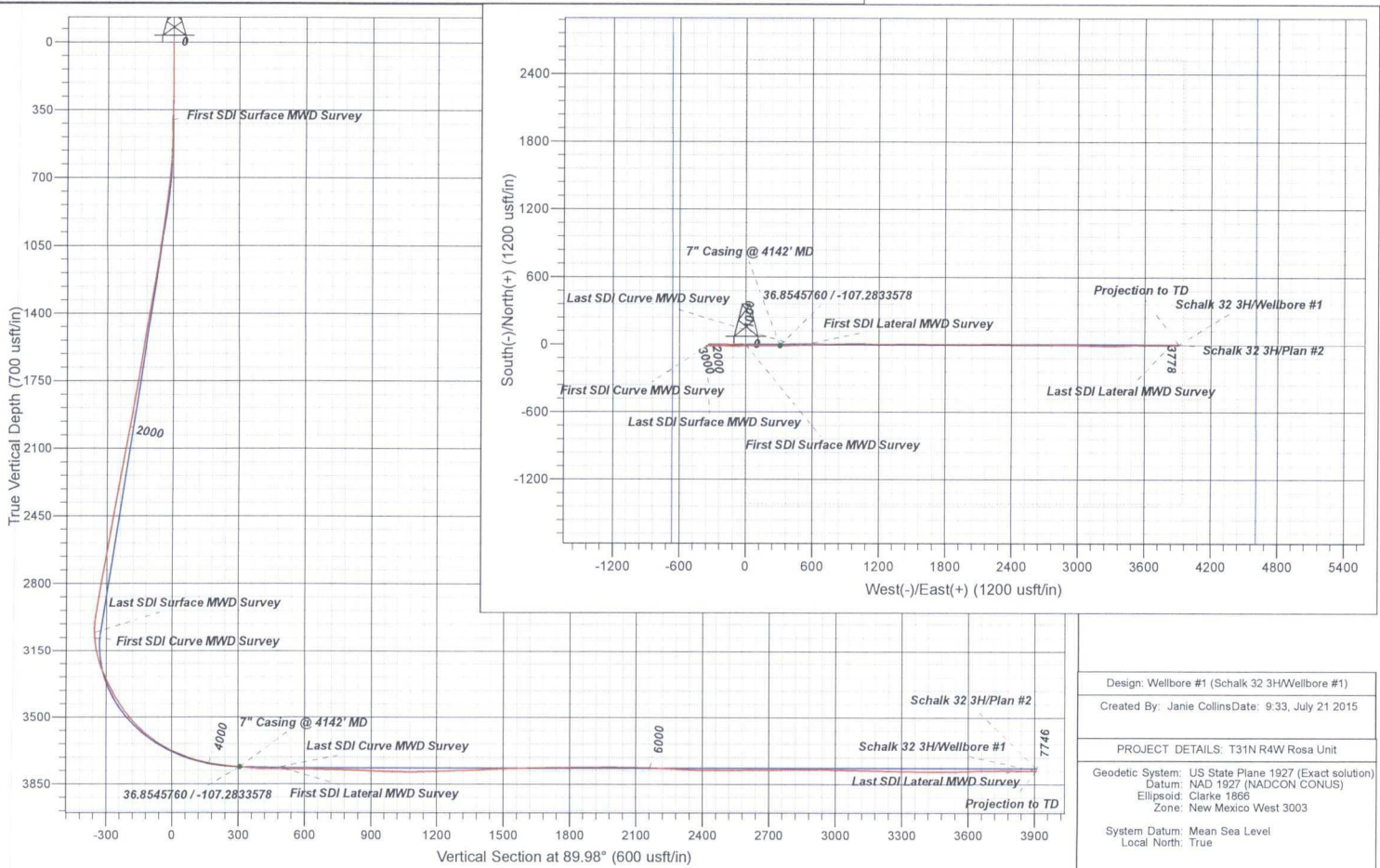


Azimuths to True North
Magnetic North: 9.17°

Magnetic Field
Strength: 50256.8nT
Dip Angle: 63.53°
Date: 7/5/2015
Model: HDGM

WELL DETAILS: Schalk 32 3H

+N/-S	+E/-W	GL 6957' & RKB 14' @ 6971.00usft (Aztec 920)	6957.00
0.00	0.00	2130796.31	660601.12
		North	East
		Latitude	Longitude
		36.8545970	-107.2844040
			A1



Design: Wellbore #1 (Schalk 32 3H/Wellbore #1)
Created By: Janie Collins Date: 9:33, July 21 2015

PROJECT DETAILS: T31N R4W Rosa Unit

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

Company:	WPX Energy	Local Co-ordinate Reference:	Well Schalk 32 3H - Slot A1
Project:	T31N R4W Rosa Unit	TVD Reference:	GL 6957' & RKB 14' @ 6971.00usft (Aztec 920)
Site:	Schalk 32 3H	MD Reference:	GL 6957' & RKB 14' @ 6971.00usft (Aztec 920)
Well:	Schalk 32 3H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Project	T31N R4W Rosa Unit		
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	Schalk 32 3H		
Site Position:		Northing:	2,130,796.31 usft
From:	Lat/Long	Easting:	660,601.13 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in
		Latitude:	36.8545970
		Longitude:	-107.2844040
		Grid Convergence:	0.33 °

Well	Schalk 32 3H - Slot A1		
Well Position	+N/-S	0.00 usft	Northing: 2,130,796.31 usft
	+E/-W	0.00 usft	Easting: 660,601.13 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	36.8545970
		Longitude:	-107.2844040
		Ground Level:	6,957.00 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	7/5/2015	9.17
			Dip Angle (°) 63.53
			Field Strength (nT) 50,257

Design	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°) 89.98

Survey Program	Date	7/21/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
14.00	299.00	Survey #1 - Gyro Survey (Wellbore #1)	GYRO-NS	Gyrocompass Gyro
398.00	3,079.00	Survey #2 - Surface MWD Survey (Wellbo	SDI MWD	SDI MWD - Standard ver 1.0.1
3,111.00	4,283.00	Survey #3 - Curve MWD Survey (Wellbore	SDI MWD	SDI MWD - Standard ver 1.0.1
4,344.00	7,746.00	Survey #4 - Lateral MWD Survey (Wellbo	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	2,130,796.31	660,601.13	36.8545970	-107.2844040
14.00	0.00	0.00	14.00	0.00	0.00	2,130,796.31	660,601.13	36.8545970	-107.2844040
44.00	0.16	250.15	44.00	-0.01	-0.04	2,130,796.30	660,601.09	36.8545969	-107.2844042
74.00	0.28	194.42	74.00	-0.10	-0.10	2,130,796.21	660,601.03	36.8545967	-107.2844044
104.00	0.53	254.04	104.00	-0.21	-0.25	2,130,796.10	660,600.88	36.8545964	-107.2844049
134.00	0.47	255.61	134.00	-0.28	-0.50	2,130,796.03	660,600.63	36.8545962	-107.2844058
164.00	0.54	265.98	164.00	-0.32	-0.76	2,130,795.99	660,600.37	36.8545961	-107.2844066
194.00	0.52	282.61	194.00	-0.30	-1.04	2,130,796.01	660,600.09	36.8545962	-107.2844076
224.00	0.70	283.31	223.99	-0.23	-1.35	2,130,796.08	660,599.78	36.8545963	-107.2844086

Company:	WPX Energy	Local Co-ordinate Reference:	Well Schalk 32 3H - Slot A1
Project:	T31N R4W Rosa Unit	TVD Reference:	GL 6957' & RKB 14' @ 6971.00usft (Aztec 920)
Site:	Schalk 32 3H	MD Reference:	GL 6957' & RKB 14' @ 6971.00usft (Aztec 920)
Well:	Schalk 32 3H	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
254.00	0.70	285.18	253.99	-0.14	-1.70	2,130,796.16	660,599.43	36.8545966	-107.2844099
284.00	0.72	286.59	283.99	-0.03	-2.06	2,130,796.26	660,599.07	36.8545969	-107.2844111
299.00	0.78	277.66	298.99	0.01	-2.25	2,130,796.30	660,598.88	36.8545970	-107.2844117
398.00	0.81	293.57	397.98	0.38	-3.56	2,130,796.67	660,597.56	36.8545980	-107.2844162
First SDI Surface MWD Survey									
461.00	0.63	303.29	460.97	0.74	-4.26	2,130,797.03	660,596.86	36.8545990	-107.2844186
525.00	1.28	279.21	524.96	1.05	-5.26	2,130,797.33	660,595.86	36.8545999	-107.2844220
588.00	2.82	284.46	587.92	1.55	-7.45	2,130,797.82	660,593.66	36.8546012	-107.2844295
652.00	4.75	278.86	651.78	2.35	-11.60	2,130,798.60	660,589.52	36.8546034	-107.2844437
715.00	5.39	278.90	714.53	3.21	-17.10	2,130,799.42	660,584.01	36.8546058	-107.2844625
778.00	5.59	279.78	777.24	4.19	-23.04	2,130,800.37	660,578.06	36.8546085	-107.2844828
842.00	6.27	274.73	840.90	5.01	-29.60	2,130,801.15	660,571.50	36.8546107	-107.2845052
905.00	6.93	272.90	903.48	5.48	-36.82	2,130,801.58	660,564.27	36.8546120	-107.2845299
967.00	6.89	274.34	965.03	5.96	-44.27	2,130,802.01	660,556.83	36.8546133	-107.2845553
1,031.00	8.00	268.78	1,028.49	6.15	-52.55	2,130,802.16	660,548.54	36.8546139	-107.2845836
1,092.00	8.67	264.66	1,088.85	5.63	-61.37	2,130,801.59	660,539.73	36.8546124	-107.2846138
1,152.00	8.81	264.81	1,148.15	4.80	-70.45	2,130,800.70	660,530.65	36.8546101	-107.2846448
1,213.00	8.62	268.02	1,208.45	4.22	-79.67	2,130,800.07	660,521.43	36.8546085	-107.2846763
1,274.00	8.16	269.35	1,268.80	4.01	-88.57	2,130,799.81	660,512.54	36.8546080	-107.2847068
1,337.00	8.26	268.00	1,331.15	3.80	-97.56	2,130,799.55	660,503.55	36.8546074	-107.2847375
1,397.00	8.23	267.44	1,390.53	3.46	-106.16	2,130,799.16	660,494.95	36.8546065	-107.2847669
1,458.00	8.41	267.30	1,450.89	3.05	-114.97	2,130,798.70	660,486.14	36.8546054	-107.2847970
1,519.00	8.55	265.97	1,511.22	2.52	-123.95	2,130,798.12	660,477.16	36.8546039	-107.2848277
1,579.00	8.54	266.85	1,570.56	1.97	-132.85	2,130,797.51	660,468.27	36.8546024	-107.2848581
1,640.00	8.50	267.76	1,630.88	1.54	-141.88	2,130,797.04	660,459.24	36.8546012	-107.2848890
1,701.00	8.62	267.42	1,691.20	1.16	-150.95	2,130,796.60	660,450.17	36.8546002	-107.2849200
1,762.00	8.72	266.88	1,751.51	0.70	-160.13	2,130,796.09	660,440.99	36.8545989	-107.2849514
1,823.00	8.77	266.79	1,811.80	0.19	-169.39	2,130,795.53	660,431.73	36.8545975	-107.2849830
1,884.00	8.87	265.78	1,872.08	-0.42	-178.73	2,130,794.87	660,422.40	36.8545958	-107.2850149
1,944.00	8.80	265.45	1,931.36	-1.12	-187.92	2,130,794.11	660,413.22	36.8545939	-107.2850463
2,006.00	8.83	263.45	1,992.63	-2.04	-197.37	2,130,793.14	660,403.77	36.8545914	-107.2850786
2,066.00	8.89	265.41	2,051.92	-2.94	-206.57	2,130,792.19	660,394.58	36.8545889	-107.2851101
2,126.00	8.98	267.86	2,111.19	-3.48	-215.87	2,130,791.59	660,385.28	36.8545874	-107.2851419
2,188.00	9.22	273.05	2,172.41	-3.40	-225.66	2,130,791.61	660,375.49	36.8545876	-107.2851753
2,249.00	9.34	272.65	2,232.61	-2.91	-235.49	2,130,792.05	660,365.66	36.8545890	-107.2852089
2,309.00	9.12	271.63	2,291.83	-2.55	-245.10	2,130,792.35	660,356.04	36.8545900	-107.2852418
2,370.00	8.92	269.64	2,352.08	-2.44	-254.67	2,130,792.40	660,346.48	36.8545903	-107.2852745
2,431.00	8.99	268.66	2,412.34	-2.58	-264.16	2,130,792.21	660,336.99	36.8545899	-107.2853069
2,492.00	8.82	268.13	2,472.60	-2.85	-273.60	2,130,791.89	660,327.55	36.8545891	-107.2853392
2,553.00	8.98	265.62	2,532.87	-3.36	-283.02	2,130,791.32	660,318.13	36.8545877	-107.2853714
2,613.00	9.01	266.26	2,592.13	-4.03	-292.38	2,130,790.60	660,308.78	36.8545859	-107.2854034
2,674.00	8.92	264.36	2,652.38	-4.80	-301.85	2,130,789.77	660,299.31	36.8545838	-107.2854357
2,735.00	8.95	264.45	2,712.64	-5.73	-311.28	2,130,788.79	660,289.89	36.8545812	-107.2854680
2,796.00	8.81	267.25	2,772.91	-6.41	-320.67	2,130,788.06	660,280.50	36.8545794	-107.2855000
2,857.00	8.39	270.48	2,833.23	-6.60	-329.78	2,130,787.82	660,271.39	36.8545788	-107.2855312
2,920.00	8.25	266.71	2,895.56	-6.82	-338.89	2,130,787.54	660,262.28	36.8545782	-107.2855623
2,982.00	8.51	266.21	2,927.22	-7.11	-343.55	2,130,787.23	660,257.63	36.8545774	-107.2855782
2,984.00	7.48	265.58	2,958.91	-7.42	-347.99	2,130,786.89	660,253.19	36.8545766	-107.2855934
3,016.00	4.69	256.66	2,990.73	-7.89	-351.34	2,130,786.40	660,249.84	36.8545753	-107.2856049
3,047.00	2.41	225.66	3,021.67	-8.63	-353.04	2,130,785.65	660,248.15	36.8545732	-107.2856107
3,079.00	2.11	114.54	3,053.66	-9.35	-352.98	2,130,784.93	660,248.20	36.8545713	-107.2856105
Last SDI Surface MWD Survey									
3,111.00	4.25	99.45	3,085.60	-9.79	-351.28	2,130,784.50	660,249.91	36.8545701	-107.2856047
First SDI Curve MWD Survey									
3,143.00	6.83	97.45	3,117.45	-10.23	-348.22	2,130,784.08	660,252.97	36.8545689	-107.2855942

Company:	WPX Energy	Local Co-ordinate Reference:	Well Schalk 32 3H - Slot A1
Project:	T31N R4W Rosa Unit	TVD Reference:	GL 6957' & RKB 14' @ 6971.00usft (Aztec 920)
Site:	Schalk 32 3H	MD Reference:	GL 6957' & RKB 14' @ 6971.00usft (Aztec 920)
Well:	Schalk 32 3H	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
3,175.00	9.22	93.22	3,149.14	-10.62	-343.77	2,130,783.71	660,257.42	36.8545678	-107.2855790
3,206.00	12.46	90.29	3,179.58	-10.78	-337.95	2,130,783.59	660,263.25	36.8545674	-107.2855591
3,238.00	15.56	90.31	3,210.62	-10.82	-330.20	2,130,783.59	660,270.99	36.8545672	-107.2855326
3,269.00	17.62	91.52	3,240.33	-10.97	-321.35	2,130,783.50	660,279.84	36.8545668	-107.2855024
3,301.00	20.38	90.35	3,270.59	-11.13	-310.94	2,130,783.40	660,290.26	36.8545664	-107.2854668
3,333.00	23.27	90.25	3,300.29	-11.19	-299.04	2,130,783.40	660,302.15	36.8545662	-107.2854261
3,365.00	24.51	89.88	3,329.55	-11.20	-286.08	2,130,783.46	660,315.11	36.8545662	-107.2853818
3,397.00	24.85	90.92	3,358.62	-11.30	-272.72	2,130,783.45	660,328.47	36.8545659	-107.2853362
3,428.00	26.20	88.94	3,386.60	-11.28	-259.36	2,130,783.54	660,341.83	36.8545660	-107.2852905
3,460.00	28.26	88.43	3,415.05	-10.94	-244.73	2,130,783.97	660,356.47	36.8545669	-107.2852405
3,492.00	30.47	88.43	3,442.94	-10.51	-229.04	2,130,784.49	660,372.15	36.8545681	-107.2851869
3,523.00	32.73	89.45	3,469.34	-10.21	-212.80	2,130,784.88	660,388.39	36.8545689	-107.2851314
3,555.00	35.02	90.68	3,495.91	-10.24	-194.97	2,130,784.95	660,406.22	36.8545688	-107.2850704
3,587.00	38.46	91.74	3,521.55	-10.65	-175.84	2,130,784.65	660,425.36	36.8545677	-107.2850050
3,619.00	41.26	92.92	3,546.11	-11.49	-155.35	2,130,783.93	660,445.85	36.8545654	-107.2849350
3,650.00	43.45	92.60	3,569.01	-12.49	-134.49	2,130,783.04	660,466.71	36.8545627	-107.2848637
3,683.00	45.59	91.14	3,592.54	-13.24	-111.36	2,130,782.43	660,489.84	36.8545606	-107.2847847
3,715.00	48.80	89.75	3,614.28	-13.42	-87.89	2,130,782.39	660,513.31	36.8545601	-107.2847044
3,747.00	52.66	87.97	3,634.54	-12.91	-63.13	2,130,783.03	660,538.07	36.8545615	-107.2846198
3,778.00	57.39	87.37	3,652.30	-11.88	-37.75	2,130,784.22	660,563.44	36.8545643	-107.2845331
3,810.00	60.49	88.42	3,668.81	-10.87	-10.37	2,130,785.38	660,590.82	36.8545671	-107.2844395
3,841.00	64.03	89.08	3,683.24	-10.28	17.06	2,130,786.13	660,618.25	36.8545687	-107.2843457
3,873.00	65.24	89.57	3,696.95	-9.94	45.97	2,130,786.64	660,647.16	36.8545697	-107.2842469
3,905.00	67.16	89.06	3,709.86	-9.59	75.25	2,130,787.15	660,676.43	36.8545706	-107.2841469
3,937.00	71.12	89.21	3,721.25	-9.14	105.14	2,130,787.78	660,706.32	36.8545719	-107.2840447
3,968.00	74.17	88.30	3,730.50	-8.49	134.72	2,130,788.59	660,735.89	36.8545736	-107.2839436
4,000.00	77.61	88.95	3,738.30	-7.75	165.74	2,130,789.51	660,766.91	36.8545757	-107.2838376
4,032.00	80.04	89.69	3,744.50	-7.38	197.13	2,130,790.07	660,798.29	36.8545767	-107.2837303
4,063.00	81.36	89.94	3,749.51	-7.28	227.72	2,130,790.34	660,828.88	36.8545770	-107.2836257
4,089.00	82.28	90.21	3,753.21	-7.31	253.46	2,130,790.45	660,854.62	36.8545769	-107.2835378
4,142.00	84.49	90.51	3,759.31	-7.64	306.10	2,130,790.43	660,907.26	36.8545760	-107.2833578
7" Casing @ 4142' MD - 36.8545760 / -107.2833578									
4,162.00	85.32	90.62	3,761.09	-7.84	326.02	2,130,790.34	660,927.18	36.8545754	-107.2832898
4,223.00	84.18	88.71	3,766.67	-7.48	386.76	2,130,791.05	660,987.92	36.8545764	-107.2830822
4,283.00	89.63	88.57	3,769.91	-6.06	446.63	2,130,792.81	661,047.78	36.8545803	-107.2828775
Last SDI Curve MWD Survey									
4,344.00	90.81	89.03	3,769.68	-4.79	507.62	2,130,794.44	661,108.76	36.8545838	-107.2826691
First SDI Lateral MWD Survey									
4,405.00	89.23	87.14	3,769.66	-2.75	568.58	2,130,796.83	661,169.71	36.8545894	-107.2824607
4,466.00	88.49	87.05	3,770.87	0.34	629.49	2,130,800.27	661,230.60	36.8545979	-107.2822525
4,527.00	89.16	87.28	3,772.12	3.36	690.40	2,130,803.64	661,291.49	36.8546062	-107.2820443
4,588.00	87.55	88.59	3,773.87	5.56	751.33	2,130,806.18	661,352.41	36.8546122	-107.2818361
4,648.00	88.49	89.70	3,775.94	6.45	811.29	2,130,807.42	661,412.36	36.8546147	-107.2816312
4,709.00	87.72	88.66	3,777.96	7.32	872.24	2,130,808.65	661,473.31	36.8546171	-107.2814228
4,770.00	87.92	89.27	3,780.28	8.43	933.19	2,130,810.10	661,534.25	36.8546201	-107.2812145
4,831.00	87.21	89.52	3,782.87	9.07	994.13	2,130,811.09	661,595.19	36.8546218	-107.2810062
4,892.00	88.89	90.67	3,784.95	8.97	1,055.09	2,130,811.34	661,656.15	36.8546215	-107.2807979
4,953.00	91.17	92.09	3,784.92	7.50	1,116.07	2,130,810.22	661,717.13	36.8546175	-107.2805895
5,014.00	92.12	91.29	3,783.17	5.70	1,177.02	2,130,808.77	661,778.09	36.8546126	-107.2803811
5,077.00	92.42	90.97	3,780.67	4.46	1,239.95	2,130,807.89	661,841.03	36.8546091	-107.2801660
5,141.00	92.45	89.72	3,777.95	4.07	1,303.89	2,130,807.88	661,904.98	36.8546081	-107.2799475
5,204.00	92.28	88.42	3,775.35	5.10	1,366.83	2,130,809.26	661,967.91	36.8546109	-107.2797324
5,267.00	93.32	88.54	3,772.27	6.76	1,429.73	2,130,811.29	662,030.80	36.8546155	-107.2795174
5,330.00	92.15	90.45	3,769.27	7.32	1,492.65	2,130,812.21	662,093.71	36.8546170	-107.2793023
5,393.00	91.78	90.72	3,767.11	6.68	1,555.61	2,130,811.93	662,156.68	36.8546152	-107.2790871

Company:	WPX Energy	Local Co-ordinate Reference:	Well Schalk 32 3H - Slot A1
Project:	T31N R4W Rosa Unit	TVD Reference:	GL 6957' & RKB 14' @ 6971.00usft (Aztec 920)
Site:	Schalk 32 3H	MD Reference:	GL 6957' & RKB 14' @ 6971.00usft (Aztec 920)
Well:	Schalk 32 3H	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
5,457.00	92.15	90.03	3,764.91	6.26	1,619.57	2,130,811.87	662,220.64	36.8546140	-107.2788685
5,521.00	91.85	90.48	3,762.68	5.97	1,683.53	2,130,811.96	662,284.60	36.8546132	-107.2786499
5,584.00	89.60	90.19	3,761.88	5.60	1,746.52	2,130,811.95	662,347.59	36.8546122	-107.2784346
5,648.00	90.13	90.36	3,762.03	5.30	1,810.52	2,130,812.01	662,411.59	36.8546114	-107.2782159
5,711.00	90.84	90.18	3,761.50	5.00	1,873.52	2,130,812.08	662,474.59	36.8546105	-107.2780006
5,774.00	91.04	90.28	3,760.47	4.75	1,936.51	2,130,812.19	662,537.58	36.8546098	-107.2777853
5,837.00	90.13	90.19	3,759.82	4.49	1,999.51	2,130,812.29	662,600.57	36.8546091	-107.2775700
5,900.00	88.59	89.67	3,760.53	4.57	2,062.50	2,130,812.73	662,663.57	36.8546093	-107.2773547
5,964.00	88.52	88.75	3,762.14	5.45	2,126.47	2,130,813.98	662,727.53	36.8546117	-107.2771360
6,027.00	88.12	89.11	3,763.99	6.62	2,189.43	2,130,815.52	662,790.49	36.8546149	-107.2769208
6,091.00	85.63	89.91	3,767.48	7.17	2,253.33	2,130,816.43	662,854.38	36.8546164	-107.2767024
6,154.00	86.61	90.63	3,771.74	6.87	2,316.19	2,130,816.49	662,917.23	36.8546156	-107.2764876
6,217.00	89.13	90.73	3,774.08	6.13	2,379.13	2,130,816.11	662,980.18	36.8546135	-107.2762725
6,281.00	90.23	92.16	3,774.44	4.51	2,443.11	2,130,814.86	663,044.17	36.8546091	-107.2760538
6,345.00	89.70	90.92	3,774.48	2.79	2,507.08	2,130,813.51	663,108.15	36.8546043	-107.2758351
6,408.00	90.91	90.95	3,774.14	1.77	2,570.07	2,130,812.85	663,171.15	36.8546015	-107.2756198
6,471.00	90.23	89.86	3,773.51	1.32	2,633.07	2,130,812.76	663,234.14	36.8546003	-107.2754045
6,534.00	89.83	90.32	3,773.48	1.22	2,696.07	2,130,813.03	663,297.14	36.8546000	-107.2751892
6,597.00	90.84	90.49	3,773.11	0.78	2,759.06	2,130,812.94	663,360.14	36.8545987	-107.2749739
6,661.00	89.87	90.83	3,772.72	0.04	2,823.06	2,130,812.57	663,424.14	36.8545967	-107.2747552
6,724.00	91.01	89.48	3,772.23	-0.13	2,886.05	2,130,812.76	663,487.13	36.8545962	-107.2745399
6,787.00	88.66	91.37	3,772.41	-0.60	2,949.04	2,130,812.66	663,550.12	36.8545949	-107.2743246
6,850.00	88.81	91.42	3,773.81	-2.13	3,012.01	2,130,811.49	663,613.10	36.8545907	-107.2741094
6,913.00	88.79	91.28	3,775.12	-3.62	3,074.98	2,130,810.37	663,676.07	36.8545866	-107.2738941
6,976.00	88.66	91.25	3,776.53	-5.01	3,137.95	2,130,809.34	663,739.05	36.8545827	-107.2736789
7,040.00	88.49	91.27	3,778.12	-6.41	3,201.91	2,130,808.30	663,803.02	36.8545789	-107.2734603
7,103.00	88.35	90.54	3,779.86	-7.41	3,264.88	2,130,807.66	663,865.99	36.8545761	-107.2732451
7,166.00	88.39	89.51	3,781.65	-7.44	3,327.85	2,130,808.00	663,928.97	36.8545760	-107.2730299
7,230.00	90.44	87.55	3,782.30	-5.79	3,391.82	2,130,810.01	663,992.93	36.8545805	-107.2728112
7,293.00	90.03	87.65	3,782.04	-3.16	3,454.77	2,130,813.01	664,055.85	36.8545877	-107.2725961
7,357.00	90.47	86.72	3,781.76	-0.01	3,518.69	2,130,816.52	664,119.76	36.8545963	-107.2723776
7,421.00	92.15	88.57	3,780.30	2.62	3,582.61	2,130,819.52	664,183.66	36.8546035	-107.2721591
7,484.00	91.01	89.20	3,778.56	3.84	3,645.57	2,130,821.10	664,246.62	36.8546069	-107.2719439
7,548.00	90.91	89.69	3,777.49	4.46	3,709.56	2,130,822.09	664,310.60	36.8546086	-107.2717252
7,612.00	89.83	90.36	3,777.08	4.43	3,773.56	2,130,822.43	664,374.60	36.8546085	-107.2715065
7,677.00	89.33	89.98	3,777.55	4.24	3,838.56	2,130,822.61	664,439.60	36.8546079	-107.2712843
Last SDI Lateral MWD Survey									
7,746.00	89.33	89.98	3,778.36	4.26	3,907.55	2,130,823.03	664,508.59	36.8546079	-107.2710485
Projection to TD									



Survey Report - Geographic



Company:	WPX Energy	Local Co-ordinate Reference:	Well Schalk 32 3H - Slot A1
Project:	T31N R4W Rosa Unit	TVD Reference:	GL 6957' & RKB 14' @ 6971.00usft (Aztec 920)
Site:	Schalk 32 3H	MD Reference:	GL 6957' & RKB 14' @ 6971.00usft (Aztec 920)
Well:	Schalk 32 3H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
398.00	397.98	0.38	-3.56	First SDI Surface MWD Survey
3,079.00	3,053.66	-9.35	-352.98	Last SDI Surface MWD Survey
3,111.00	3,085.60	-9.79	-351.28	First SDI Curve MWD Survey
4,142.00	3,759.31	-7.64	306.10	7" Casing @ 4142' MD
4,142.00	3,759.31	-7.64	306.10	36.8545760 / -107.2833578
4,283.00	3,769.91	-6.06	446.63	Last SDI Curve MWD Survey
4,344.00	3,769.68	-4.79	507.62	First SDI Lateral MWD Survey
7,677.00	3,777.55	4.24	3,838.56	Last SDI Lateral MWD Survey
7,746.00	3,778.36	4.26	3,907.55	Projection to TD

Checked By: _____ Approved By: _____ Date: _____