

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

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

Submit one copy to
Appropriate District Office

☒ AMENDED REPORT

AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31281		² Pool Code 98088	³ Pool Name CHACO UNIT NE HZ (OIL)
⁴ Property Code 313800	⁵ Property Name NE CHACO COM		⁶ Well Number 268H
⁷ GRID No 120782	⁸ Operator Name WPX ENERGY PRODUCTION, LLC		⁹ Elevation 6832'

¹⁰ Surface Location

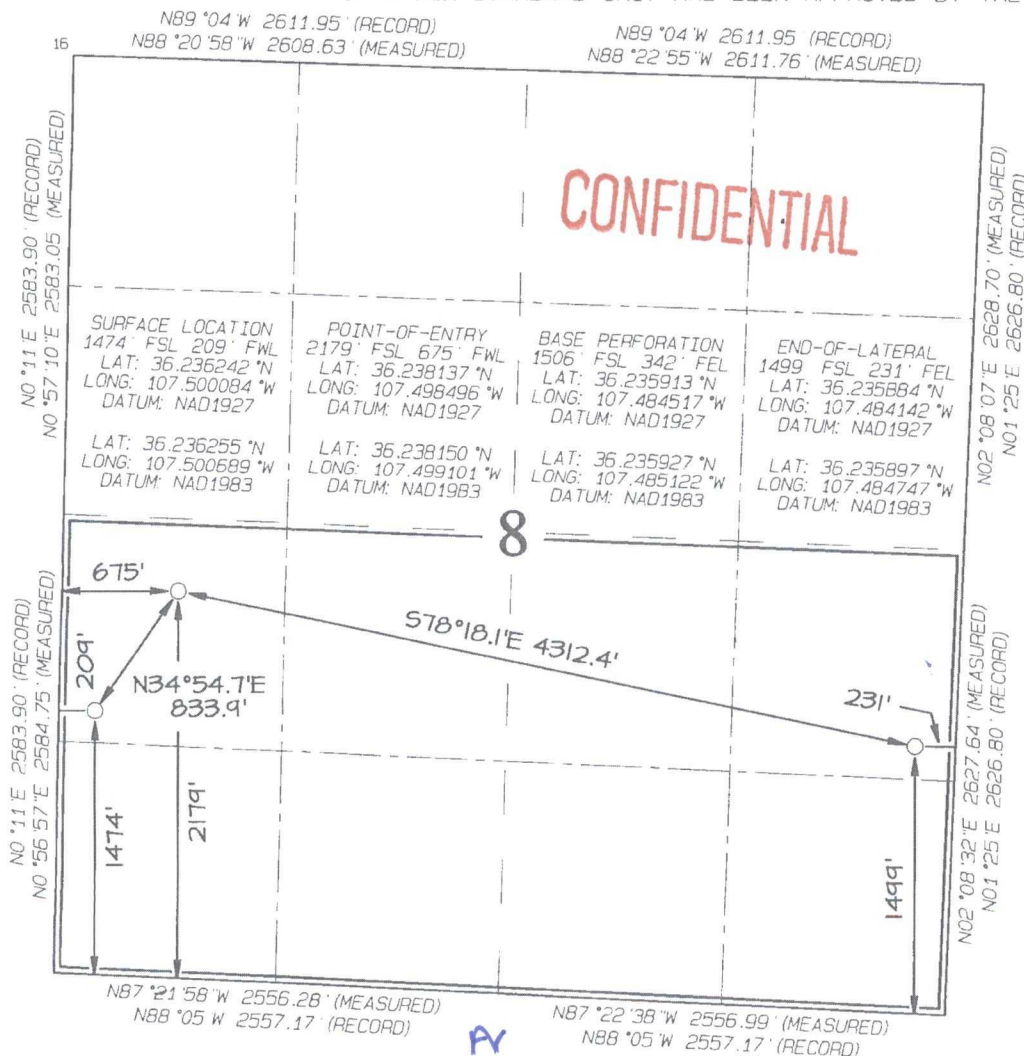
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	8	23N	6W		1474	SOUTH	209	WEST	RIO ARRIBA

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	8	23N	6W		1499	SOUTH	231	EAST	RIO ARIBA

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



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 _____ 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: DECEMBER 5, 2014
Date of Survey: MARCH 27, 2014

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269



Project: Rio Arriba Co., NM
Site: Sec.8-T23N-R6W
Well: NE Chaco Com #268H
Wellbore: Wellbore #1
Design: Wellbore #1



WELL DETAILS: NE Chaco Com #268H

Ground Level:
6832.00

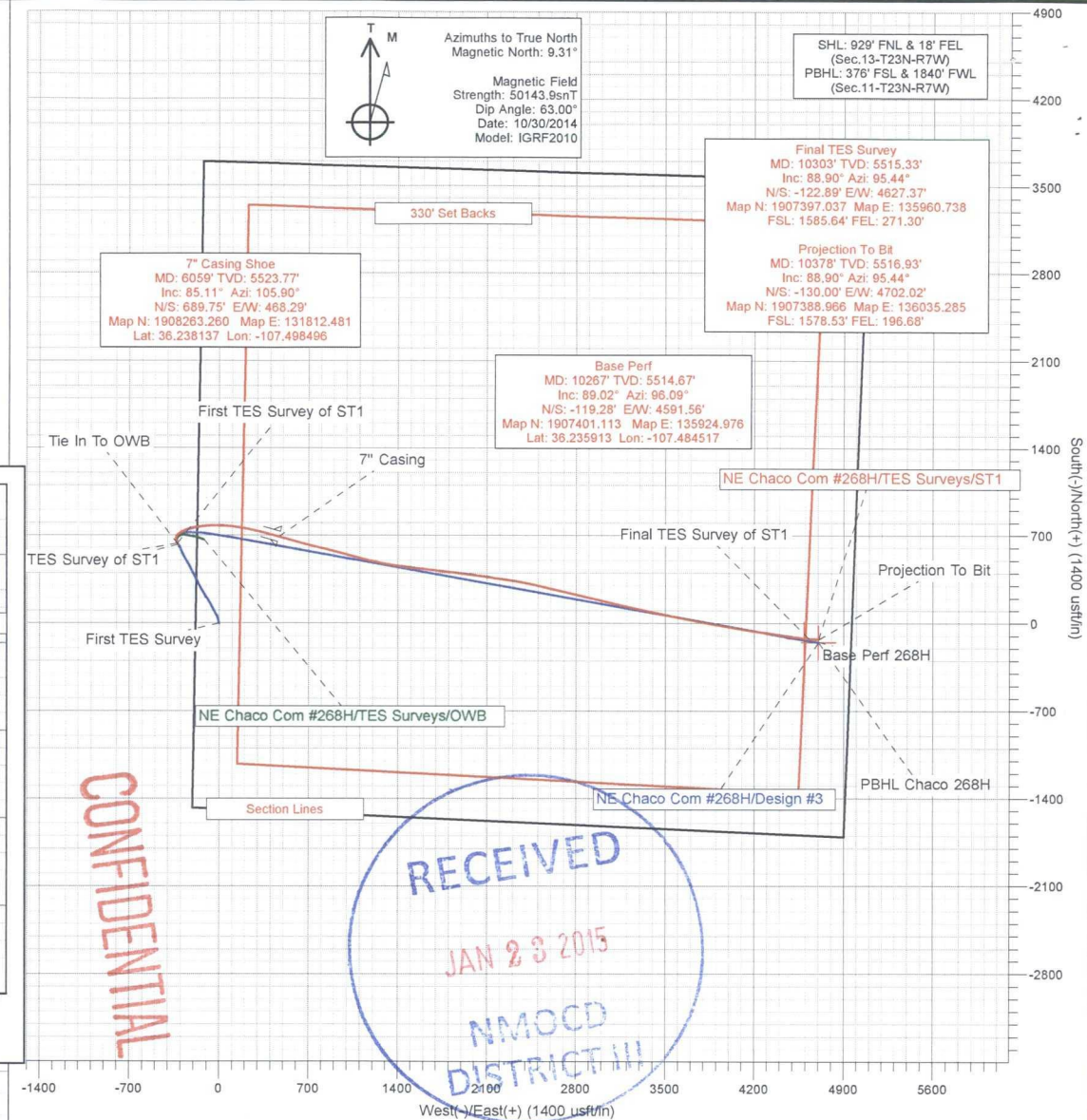
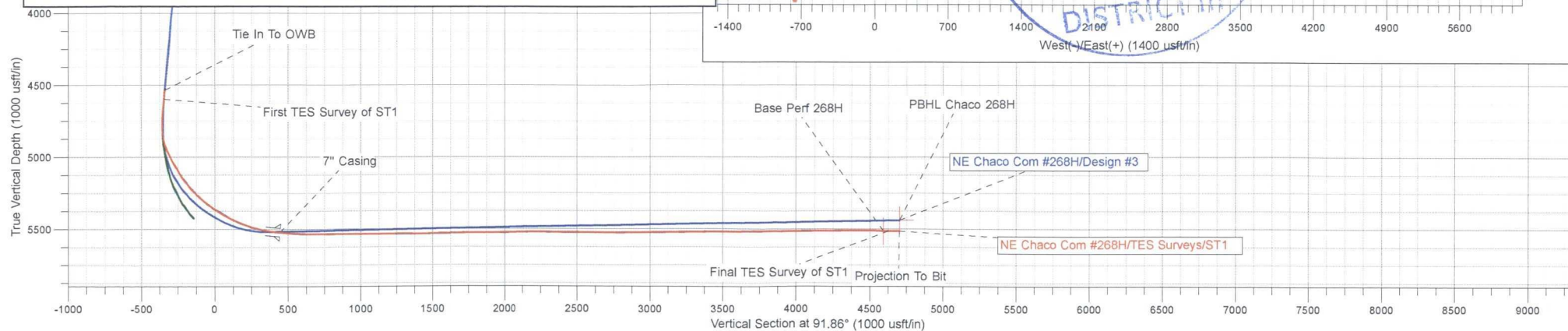
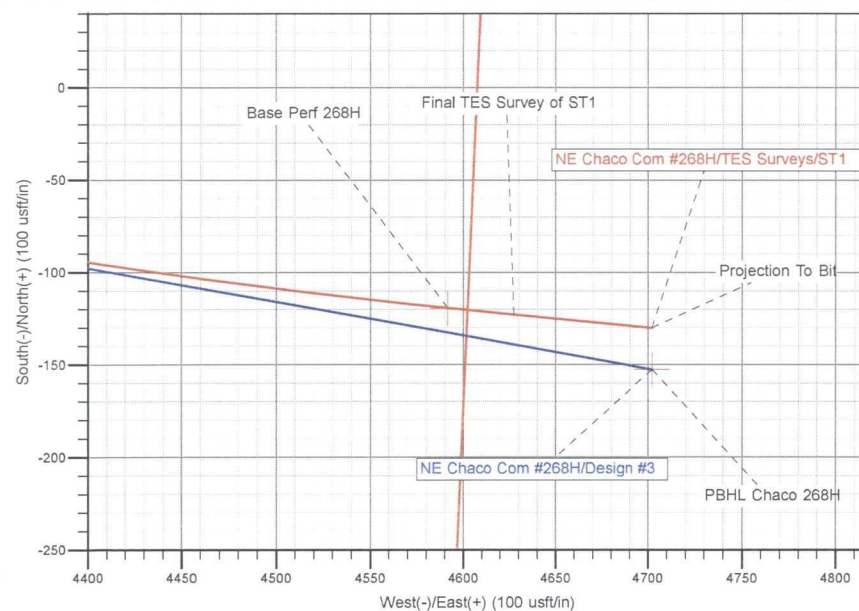
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1907579.608704	131335.337173	36.236242	-107.500084	

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
PBHL Chaco 268H	5440.22	-152.52	4702.12	36.235822	-107.484142	Point
Base Perf 268H	5514.67	-119.28	4591.56	36.235913	-107.484517	Point

Survey: TES Surveys/ST1 (NE Chaco Com #268H/Wellbore #1)

Created By: M. Ramich Date: 14:17, December 01 2014



WPXENERGY



WPX Energy Production, LLC

Rio Arriba Co., NM

Sec.8-T23N-R6W

NE Chaco Com #268H

Wellbore #1

Survey: TES Surveys/ST1

Standard Survey Report

02 December, 2014

CONFIDENTIAL





Terrapin Energy Services

Survey Report



Company:	WPX Energy Production, LLC	Local Co-ordinate Reference:	Well NE Chaco Com #268H
Project:	Rio Arriba Co., NM	TVD Reference:	Elev @ 6846.00usft
Site:	Sec.8-T23N-R6W	MD Reference:	Elev @ 6846.00usft
Well:	NE Chaco Com #268H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Project	Rio Arriba Co., NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico Central 3002		

Site	Sec.8-T23N-R6W				
Site Position:		Northing:	1,907,579.608704 usft	Latitude:	36.236242
From:	Lat/Long	Easting:	131,335.337172 usft	Longitude:	-107.500084
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.74 °

Well	NE Chaco Com #268H					
Well Position	+N/-S	0.00 usft	Northing:	1,907,579.608704 usft	Latitude:	36.236242
	+E/-W	0.00 usft	Easting:	131,335.337172 usft	Longitude:	-107.500084
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	6,832.00 usft	

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/30/14	9.31	63.00	50,144

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)	Direction (°)	
	0.00	0.00	0.00	91.86	

Survey Program	Date 12/01/14			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
64.00	379.00	Surface Gyro's (Wellbore #1)	GYRO	Gyro-compassing and drop
496.00	4,604.00	TES Surveys/OWB (Wellbore #1)	MWD	MWD - Standard
4,667.00	10,378.00	TES Surveys/ST1 (Wellbore #1)	MWD	MWD - Standard

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,604.00	9.06	326.84	4,537.21	626.29	-319.17	-339.31	0.00	0.00	0.00
Tie In To OWB									
4,667.00	9.04	330.40	4,599.43	634.74	-324.33	-344.74	0.89	-0.03	5.65
First TES Survey of ST1									
4,731.00	11.72	335.53	4,662.38	645.03	-329.51	-350.24	4.43	4.19	8.02
4,794.00	14.37	342.98	4,723.75	658.33	-334.45	-355.61	4.97	4.21	11.83
4,858.00	15.73	1.96	4,785.59	674.61	-336.47	-358.17	7.95	2.13	29.66
4,921.00	17.72	28.96	4,846.01	691.56	-331.53	-353.78	12.61	3.16	42.86

Company: WPX Energy Production, LLC
Project: Rio Arriba Co., NM
Site: Sec.8-T23N-R6W
Well: NE Chaco Com #268H
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well NE Chaco Com #268H
TVD Reference: Elev @ 6846.00usft
MD Reference: Elev @ 6846.00usft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,984.00	21.28	45.69	4,905.44	707.95	-318.70	-341.48	10.46	5.65	26.56
5,047.00	26.76	58.09	4,962.99	723.46	-298.45	-321.74	11.78	8.70	19.68
5,110.00	31.99	65.34	5,017.89	737.93	-271.21	-294.99	10.03	8.30	11.51
5,173.00	31.22	71.66	5,071.56	750.04	-240.54	-264.73	5.40	-1.22	10.03
5,237.00	33.64	75.70	5,125.59	759.64	-207.61	-232.13	5.07	3.78	6.31
5,300.00	37.73	80.59	5,176.76	767.10	-171.66	-196.44	7.91	6.49	7.76
5,363.00	42.53	83.09	5,224.91	772.82	-131.48	-156.46	8.04	7.62	3.97
5,426.00	45.21	85.76	5,270.33	777.03	-88.04	-113.18	5.17	4.25	4.24
5,489.00	48.88	90.47	5,313.27	778.49	-41.98	-67.20	7.99	5.83	7.48
5,552.00	55.08	93.23	5,352.06	776.84	7.59	-17.60	10.43	9.84	4.38
5,615.00	59.91	95.41	5,385.90	772.81	60.55	35.46	8.20	7.67	3.46
5,678.00	59.57	95.23	5,417.65	767.77	114.73	89.78	0.59	-0.54	-0.29
5,742.00	65.39	99.06	5,447.22	760.66	171.00	146.25	10.53	9.09	5.98
5,805.00	69.89	102.85	5,471.19	749.57	228.17	203.75	9.05	7.14	6.02
5,868.00	73.20	102.80	5,491.13	736.30	286.43	262.41	5.25	5.25	-0.08
5,931.00	77.80	103.19	5,506.90	722.59	345.84	322.24	7.33	7.30	0.62
6,000.00	83.67	105.57	5,518.00	705.67	411.77	388.68	9.16	8.51	3.45
6,090.00	85.86	106.08	5,526.21	681.23	497.99	475.65	2.50	2.43	0.57
6,142.00	84.86	106.78	5,530.42	666.58	547.71	525.81	2.34	-1.92	1.35
6,203.00	88.64	105.02	5,533.88	649.90	606.27	584.88	6.83	6.20	-2.89
6,265.00	89.96	104.32	5,534.64	634.20	666.24	645.33	2.41	2.13	-1.13
6,325.00	89.38	104.41	5,534.98	619.31	724.36	703.90	0.98	-0.97	0.15
6,386.00	90.26	104.23	5,535.17	604.22	783.46	763.46	1.47	1.44	-0.30
6,447.00	89.91	104.06	5,535.08	589.32	842.61	823.07	0.64	-0.57	-0.28
6,508.00	90.26	105.29	5,534.99	573.86	901.62	882.55	2.10	0.57	2.02
6,569.00	89.60	104.58	5,535.07	558.14	960.56	941.96	1.59	-1.08	-1.16
6,630.00	90.26	105.99	5,535.14	542.06	1,019.40	1,001.29	2.55	1.08	2.31
6,691.00	91.45	105.29	5,534.23	525.62	1,078.14	1,060.53	2.26	1.95	-1.15
6,753.00	90.04	105.02	5,533.42	509.41	1,137.97	1,120.86	2.32	-2.27	-0.44
6,814.00	89.96	102.83	5,533.42	494.73	1,197.18	1,180.51	3.59	-0.13	-3.59
6,875.00	90.70	100.98	5,533.07	482.15	1,256.86	1,240.57	3.27	1.21	-3.03
6,936.00	90.04	100.80	5,532.68	470.63	1,316.76	1,300.81	1.12	-1.08	-0.30
6,997.00	88.46	98.43	5,533.48	460.44	1,376.89	1,361.24	4.67	-2.59	-3.89
7,058.00	89.30	97.90	5,534.67	451.78	1,437.26	1,421.86	1.63	1.38	-0.87
7,119.00	92.02	96.67	5,533.97	444.04	1,497.76	1,482.58	4.89	4.46	-2.02
7,180.00	90.97	96.41	5,532.38	437.10	1,558.34	1,543.35	1.77	-1.72	-0.43
7,241.00	90.70	96.67	5,531.49	430.15	1,618.94	1,604.14	0.61	-0.44	0.43
7,302.00	92.11	97.02	5,529.99	422.88	1,679.48	1,664.89	2.38	2.31	0.57
7,363.00	90.75	96.76	5,528.47	415.57	1,740.02	1,725.63	2.27	-2.23	-0.43
7,423.00	90.22	96.06	5,527.96	408.87	1,799.64	1,785.44	1.46	-0.88	-1.17
7,484.00	90.31	96.41	5,527.68	402.25	1,860.28	1,846.26	0.59	0.15	0.57
7,545.00	90.04	96.50	5,527.49	395.39	1,920.89	1,907.07	0.47	-0.44	0.15
7,606.00	90.40	98.08	5,527.26	387.65	1,981.40	1,967.79	2.66	0.59	2.59
7,667.00	91.71	98.78	5,526.14	378.71	2,041.73	2,028.38	2.43	2.15	1.15



Company:	WPX Energy Production, LLC	Local Co-ordinate Reference:	Well NE Chaco Com #268H
Project:	Rio Arriba Co., NM	TVD Reference:	Elev @ 6846.00usft
Site:	Sec.8-T23N-R6W	MD Reference:	Elev @ 6846.00usft
Well:	NE Chaco Com #268H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,727.00	91.19	99.31	5,524.62	369.28	2,100.96	2,087.89	1.24	-0.87	0.88
7,788.00	90.92	99.05	5,523.49	359.55	2,161.17	2,148.38	0.61	-0.44	-0.43
7,849.00	90.66	98.43	5,522.65	350.28	2,221.46	2,208.93	1.10	-0.43	-1.02
7,908.00	89.21	97.99	5,522.72	341.85	2,279.85	2,267.57	2.57	-2.46	-0.75
7,971.00	88.86	99.84	5,523.78	332.09	2,342.08	2,330.08	2.99	-0.56	2.94
8,034.00	89.74	101.77	5,524.55	320.28	2,403.95	2,392.31	3.37	1.40	3.06
8,098.00	89.21	102.65	5,525.14	306.75	2,466.50	2,455.26	1.61	-0.83	1.38
8,161.00	89.65	102.74	5,525.76	292.91	2,527.96	2,517.13	0.71	0.70	0.14
8,222.00	89.82	103.27	5,526.05	279.18	2,587.39	2,576.98	0.91	0.28	0.87
8,286.00	90.53	103.97	5,525.85	264.11	2,649.59	2,639.64	1.56	1.11	1.09
8,349.00	89.52	103.53	5,525.82	249.13	2,710.79	2,701.28	1.75	-1.60	-0.70
8,412.00	89.91	102.56	5,526.14	234.91	2,772.16	2,763.09	1.66	0.62	-1.54
8,475.00	89.87	103.18	5,526.26	220.88	2,833.57	2,824.92	0.99	-0.06	0.98
8,538.00	91.01	103.62	5,525.77	206.28	2,894.86	2,886.65	1.94	1.81	0.70
8,602.00	88.24	103.44	5,526.19	191.31	2,957.07	2,949.32	4.34	-4.33	-0.28
8,665.00	90.97	103.70	5,526.63	176.53	3,018.31	3,011.00	4.35	4.33	0.41
8,728.00	92.55	104.41	5,524.69	161.24	3,079.39	3,072.54	2.75	2.51	1.13
8,791.00	87.76	102.74	5,524.52	146.46	3,140.61	3,134.21	8.05	-7.60	-2.65
8,854.00	91.76	102.74	5,524.79	132.57	3,202.05	3,196.07	6.35	6.35	0.00
8,918.00	91.01	102.83	5,523.24	118.41	3,264.44	3,258.89	1.18	-1.17	0.14
8,981.00	91.63	103.18	5,521.79	104.23	3,325.81	3,320.68	1.13	0.98	0.56
9,045.00	91.01	102.47	5,520.31	90.03	3,388.19	3,383.49	1.47	-0.97	-1.11
9,108.00	90.22	102.39	5,519.64	76.47	3,449.71	3,445.42	1.26	-1.25	-0.13
9,171.00	89.78	101.95	5,519.64	63.19	3,511.30	3,507.40	0.99	-0.70	-0.70
9,235.00	89.69	101.68	5,519.93	50.09	3,573.94	3,570.44	0.44	-0.14	-0.42
9,298.00	91.01	100.80	5,519.55	37.81	3,635.73	3,632.59	2.52	2.10	-1.40
9,362.00	91.36	100.54	5,518.22	25.96	3,698.61	3,695.82	0.68	0.55	-0.41
9,425.00	90.79	100.63	5,517.04	14.39	3,760.53	3,758.08	0.92	-0.90	0.14
9,488.00	89.69	100.54	5,516.78	2.82	3,822.45	3,820.35	1.75	-1.75	-0.14
9,551.00	89.91	100.54	5,517.00	-8.71	3,884.39	3,882.63	0.35	0.35	0.00
9,615.00	90.66	100.10	5,516.68	-20.17	3,947.35	3,945.93	1.36	1.17	-0.69
9,678.00	90.75	99.84	5,515.90	-31.08	4,009.40	4,008.30	0.44	0.14	-0.41
9,742.00	90.97	99.75	5,514.94	-41.96	4,072.46	4,071.68	0.37	0.34	-0.14
9,805.00	90.00	99.84	5,514.41	-52.68	4,134.53	4,134.07	1.55	-1.54	0.14
9,869.00	89.03	99.04	5,514.95	-63.18	4,197.66	4,197.51	1.96	-1.52	-1.25
9,933.00	91.27	98.78	5,514.78	-73.09	4,260.89	4,261.02	3.52	3.50	-0.41
9,996.00	92.07	98.61	5,512.95	-82.61	4,323.14	4,323.54	1.30	1.27	-0.27
10,059.00	90.18	98.78	5,511.71	-92.13	4,385.40	4,386.08	3.01	-3.00	0.27
10,122.00	89.91	98.26	5,511.66	-101.47	4,447.70	4,448.65	0.93	-0.43	-0.83
10,185.00	88.06	97.02	5,512.78	-109.84	4,510.13	4,511.32	3.53	-2.94	-1.97
10,249.00	89.08	96.41	5,514.38	-117.32	4,573.67	4,575.07	1.86	1.59	-0.95
10,303.00	88.90	95.44	5,515.33	-122.89	4,627.37	4,628.92	1.83	-0.33	-1.80
Final TES Survey of ST1									



Company: WPX Energy Production, LLC
Project: Rio Arriba Co., NM
Site: Sec.8-T23N-R6W
Well: NE Chaco Com #268H
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well NE Chaco Com #268H
TVD Reference: Elev @ 6846.00usft
MD Reference: Elev @ 6846.00usft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,378.00	88.65	95.44	5,516.93	-130.00	4,702.02	4,703.76	0.33	-0.33	0.00
Projection To Bit									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Base Perf 268H	0.00	0.00	5,514.67	-119.28	4,591.56	1,907,401.1126 08	135,924.97660 3	36.235913	-107.484517
- survey hits target center - Point									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
6,059.00	5,523.77	7" Casing	7	8-3/4

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,604.00	4,537.21	626.29	-319.17	Tie In To OWB
4,667.00	4,599.43	634.74	-324.33	First TES Survey of ST1
10,303.00	5,515.33	-122.89	4,627.37	Final TES Survey of ST1
10,378.00	5,516.93	-130.00	4,702.02	Projection To Bit

Checked By: _____ Approved By: _____ Date: _____