

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

☐ AMENDED REPORT

As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-043-21308	*Pool Code 98231	*Pool Name WC 22N7W36; GALLUP (0)
*Property Code 317749	*Property Name STATE 2207-36D	*Well Number 193H
*OGRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC	*Elevation 6942'

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
D	36	22N	7W		725	NORTH	311	WEST	SANDOVAL

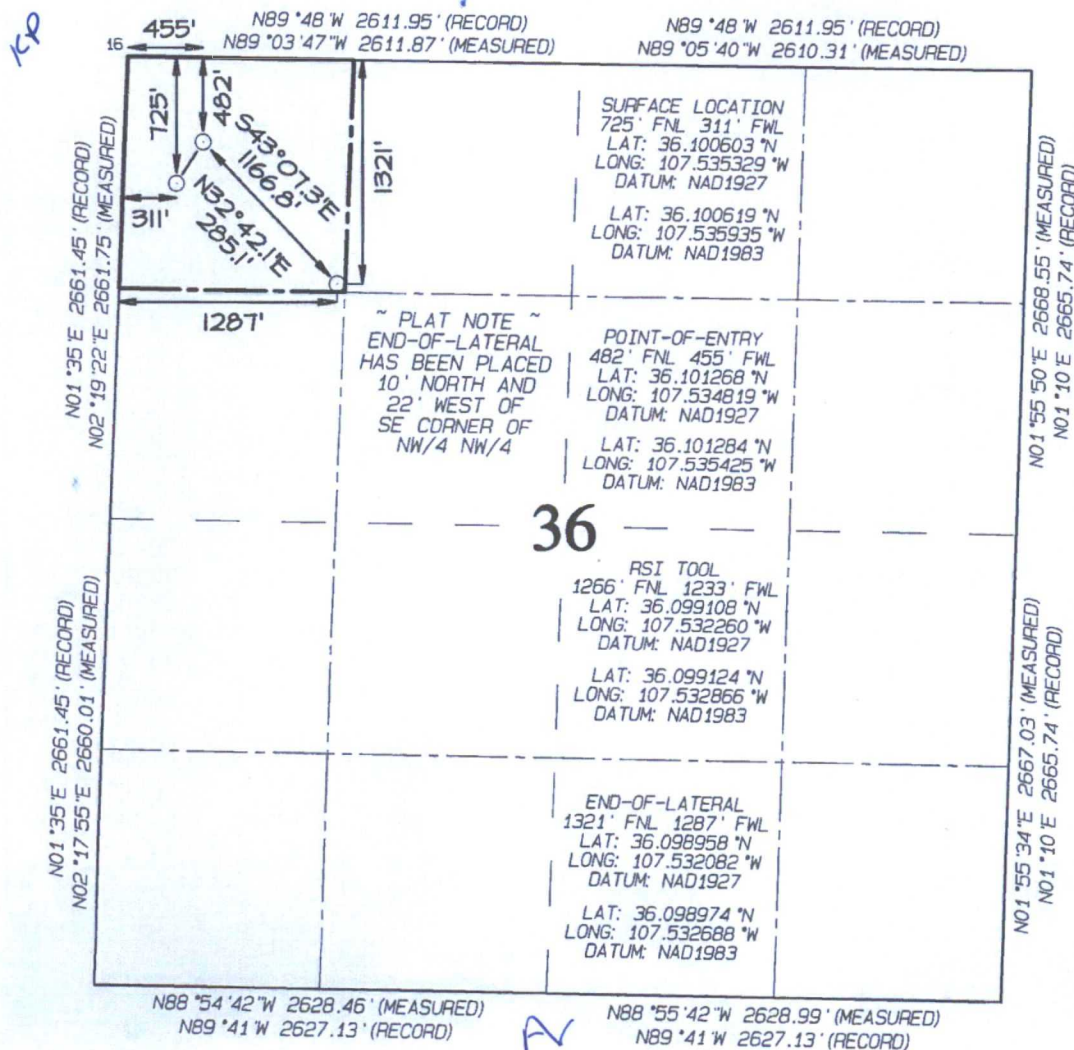
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	36	22N	7W		1321	NORTH	1287	WEST	SANDOVAL

¹² Dedicated Acres	40.00 Acres - NW/4 NW/4	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
				NSL-7555

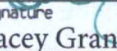
AUG 18 2017

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 8/17/17

Printed Name _____
Lacey Granillo

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 10, 2017
Survey Date: FEBRUARY 10, 2016
Signature and Seal of Professional Surveyor



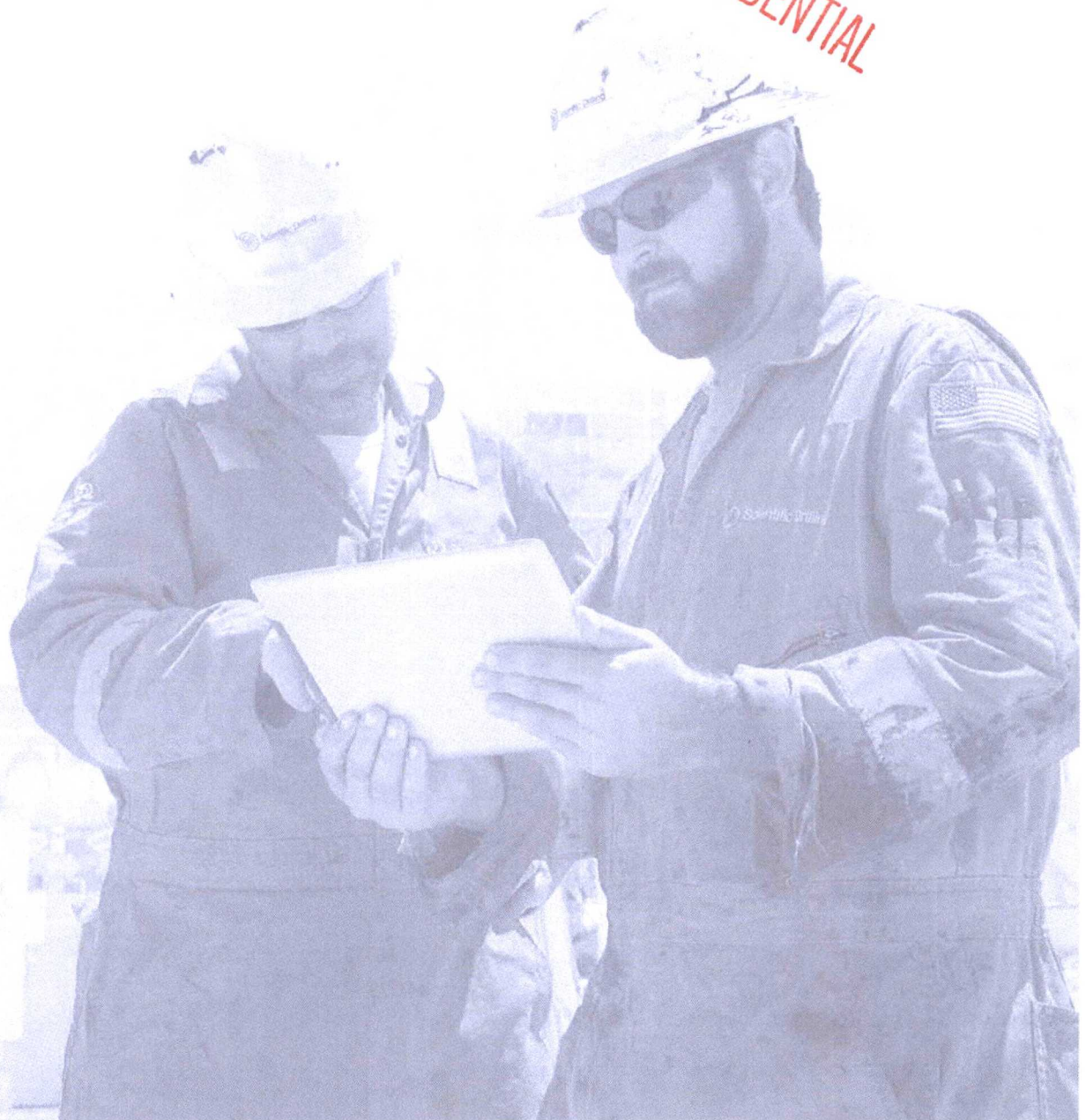
JASON C. EDWARDS
Certificate Number 15269



EOW Summary

WPX Energy
State 2207-36D
#193H

CONFIDENTIAL





State 2207-36D #193H
Sandoval County, NM 3003 West
Northing: 1855994.92
Easting: 588036.05
Actual

GL 6942 + KB 21 = @ 6963.00usft (Cyclone 32)
GL @ 6942.00



WELL DETAILS State 2207-36D #193H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1855994.92	588036.05	36.100603	-107.535329

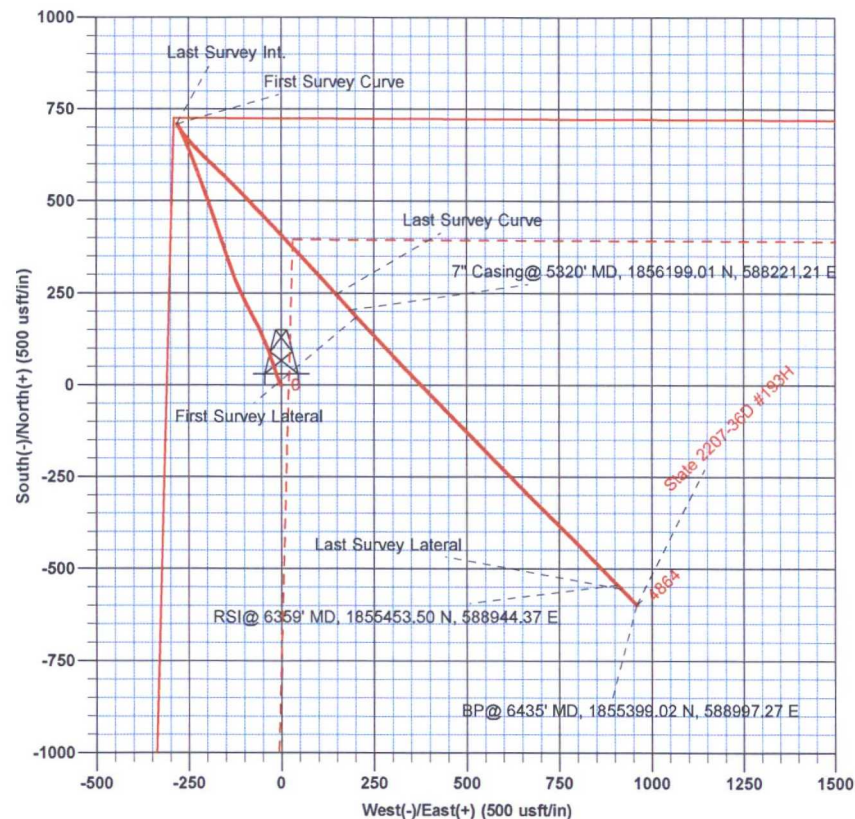
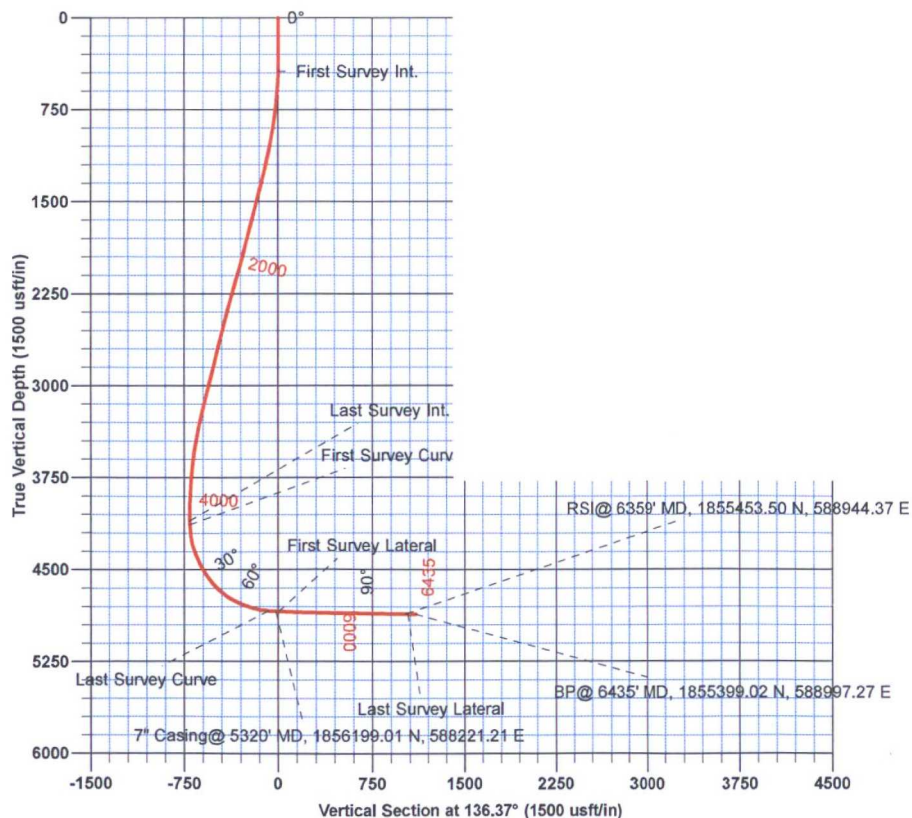


Azimuths to True North
Magnetic North: 9.00°

Magnetic Field
Strength: 49511.2snT
Dip Angle: 62.87°
Date: 5/5/2017
Model: HDGM

ANNOTATIONS

TVD	MD	Annotation
439.00	439.00	First Survey Int.
4105.07	4198.00	Last Survey Int.
4136.07	4229.00	First Survey Curve
4838.29	5263.00	Last Survey Curve
4842.50	5320.00	7" Casing@ 5320' MD, 1856199.01 N, 588221.21 E
4843.10	5345.00	First Survey Lateral
4861.32	6359.00	RSI@ 6359' MD, 1855453.50 N, 588944.37 E
4861.88	6373.00	Last Survey Lateral
4864.42	6435.00	BP@ 6435' MD, 1855399.02 N, 588997.27 E



Bailey Fellows
10:45, July 05 2017

Scientific Drilling
325 S. Faudree Rd.
Odessa, TX 79765

WPX Energy

Sandoval County, NM 3003 West
State 2207-36D
State 2207-36D #193H
API: 30-043-21308
Wellbore #1

Design: Actual

Survey Report - Geographic

05 July, 2017



www.scientificdrilling.com



Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well State 2207-36D #193H
Project:	Sandoval County, NM 3003 West	TVD Reference:	GL 6942 + KB 21 = @ 6963.00usft (Cyclone 32)
Site:	State 2207-36D	MD Reference:	GL 6942 + KB 21 = @ 6963.00usft (Cyclone 32)
Well:	State 2207-36D #193H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	Grand Junction District

Project	Sandoval County, NM 3003 West		
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		State 2207-36D			
Site Position:		Northing:	1,855,994.92 usft	Latitude:	36.100603
From:	Lat/Long	Easting:	588,036.05 usft	Longitude:	-107.535329
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.18 °

Well		State 2207-36D #193H				
Well Position	+N/-S	0.00 usft	Northing:	1,855,994.92 usft	Latitude:	36.100603
	+E/-W	0.00 usft	Easting:	588,036.05 usft	Longitude:	-107.535329
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	6,942.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	5/5/2017	9.00	62.87	49,511

Design	Actual				
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	136.37	

Survey Program	Date	7/5/2017			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
439.00	4,198.00	SDI MWD Intermediate (Wellbore #1)	MWD+HDGM	OWSG MWD + HDGM	
4,229.00	5,263.00	SDI MWD Curve (Wellbore #1)	MWD+HDGM	OWSG MWD + HDGM	
5,345.00	6,435.00	SDI MWD Lateral (Wellbore #1)	MWD+HDGM	OWSG MWD + HDGM	

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	1,855,994.92	588,036.05	36.100603	-107.535329
439.00	0.37	255.10	439.00	-0.36	-1.37	1,855,994.55	588,034.68	36.100602	-107.535334
First Survey Int.									
531.00	2.01	323.29	530.98	0.85	-2.62	1,855,995.76	588,033.43	36.100605	-107.535338
623.00	4.61	338.94	622.82	5.60	-4.91	1,856,000.50	588,031.12	36.100618	-107.535346
716.00	6.57	338.99	715.37	14.05	-8.17	1,856,008.94	588,027.84	36.100642	-107.535357
808.00	8.26	341.51	806.60	25.23	-12.15	1,856,020.11	588,023.83	36.100672	-107.535370
900.00	11.11	341.33	897.28	39.90	-17.08	1,856,034.77	588,018.85	36.100713	-107.535387
992.00	11.62	341.16	987.47	57.07	-22.91	1,856,051.91	588,012.96	36.100760	-107.535407
1,084.00	11.69	342.18	1,077.58	74.71	-28.76	1,856,069.54	588,007.07	36.100808	-107.535427

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well State 2207-36D #193H
Project:	Sandoval County, NM 3003 West	TVD Reference:	GL 6942 + KB 21 = @ 6963.00usft (Cyclone 32)
Site:	State 2207-36D	MD Reference:	GL 6942 + KB 21 = @ 6963.00usft (Cyclone 32)
Well:	State 2207-36D #193H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	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
1,177.00	12.76	339.10	1,168.47	93.28	-35.30	1,856,088.08	588,000.46	36.100859	-107.535449
1,269.00	12.66	338.63	1,258.21	112.16	-42.60	1,856,106.94	587,993.11	36.100911	-107.535473
1,361.00	15.27	336.44	1,347.49	132.65	-51.12	1,856,127.41	587,984.53	36.100968	-107.535502
1,453.00	15.73	335.23	1,436.14	155.08	-61.19	1,856,149.81	587,974.39	36.101029	-107.535536
1,545.00	15.10	331.16	1,524.83	176.90	-72.19	1,856,171.60	587,963.32	36.101089	-107.535574
1,639.00	14.70	330.73	1,615.67	198.03	-83.93	1,856,192.69	587,951.52	36.101147	-107.535613
1,733.00	15.39	332.81	1,706.45	219.53	-95.46	1,856,214.15	587,939.92	36.101206	-107.535652
1,827.00	15.70	335.97	1,797.01	242.24	-106.34	1,856,236.83	587,928.97	36.101269	-107.535689
1,921.00	15.54	338.79	1,887.54	265.60	-116.08	1,856,260.16	587,919.16	36.101333	-107.535722
2,015.00	14.49	337.23	1,978.33	288.18	-125.18	1,856,282.71	587,909.99	36.101395	-107.535753
2,109.00	16.47	341.32	2,068.92	311.65	-134.00	1,856,306.15	587,901.10	36.101459	-107.535783
2,203.00	17.18	341.59	2,158.90	337.45	-142.66	1,856,331.92	587,892.36	36.101530	-107.535812
2,297.00	18.00	342.10	2,248.50	364.44	-151.50	1,856,358.89	587,883.43	36.101604	-107.535842
2,391.00	16.25	338.50	2,338.33	390.50	-160.79	1,856,384.92	587,874.07	36.101676	-107.535874
2,485.00	16.15	342.97	2,428.60	415.24	-169.44	1,856,409.63	587,865.34	36.101744	-107.535903
2,578.00	15.07	342.71	2,518.17	439.15	-176.82	1,856,433.52	587,857.89	36.101810	-107.535928
2,672.00	15.48	342.58	2,608.85	462.79	-184.21	1,856,457.14	587,850.43	36.101874	-107.535953
2,766.00	14.15	339.68	2,699.72	485.53	-191.95	1,856,479.86	587,842.61	36.101937	-107.535979
2,860.00	14.00	339.89	2,790.90	506.98	-199.85	1,856,501.28	587,834.65	36.101996	-107.536006
2,955.00	15.52	340.70	2,882.77	529.77	-208.00	1,856,524.05	587,826.43	36.102058	-107.536033
3,049.00	14.47	338.81	2,973.56	552.59	-216.41	1,856,546.84	587,817.95	36.102121	-107.536062
3,143.00	15.40	340.22	3,064.39	575.29	-224.88	1,856,569.51	587,809.42	36.102184	-107.536090
3,237.00	14.93	339.06	3,155.11	598.34	-233.43	1,856,592.54	587,800.79	36.102247	-107.536119
3,331.00	14.09	339.85	3,246.11	620.39	-241.70	1,856,614.56	587,792.46	36.102307	-107.536147
3,424.00	13.05	335.69	3,336.52	640.59	-249.92	1,856,634.74	587,784.17	36.102363	-107.536175
3,518.00	10.72	335.64	3,428.50	658.23	-257.89	1,856,652.35	587,776.14	36.102411	-107.536202
3,612.00	8.99	339.04	3,521.11	673.05	-264.13	1,856,667.15	587,769.86	36.102452	-107.536223
3,706.00	6.54	337.19	3,614.24	684.84	-268.83	1,856,678.93	587,765.12	36.102484	-107.536239
3,800.00	6.01	334.63	3,707.68	694.23	-273.02	1,856,688.30	587,760.91	36.102510	-107.536253
3,894.00	4.39	333.87	3,801.29	701.90	-276.71	1,856,695.97	587,757.19	36.102531	-107.536266
3,988.00	2.44	331.10	3,895.11	706.88	-279.26	1,856,700.94	587,754.63	36.102545	-107.536275
4,082.00	0.57	303.94	3,989.08	708.90	-280.62	1,856,702.95	587,753.27	36.102551	-107.536279
4,167.00	0.67	269.86	4,074.07	709.13	-281.46	1,856,703.18	587,752.42	36.102551	-107.536282
4,198.00	0.60	278.24	4,105.07	709.16	-281.80	1,856,703.20	587,752.08	36.102551	-107.536283
Last Survey Int.									
4,229.00	1.54	163.34	4,136.07	708.78	-281.85	1,856,702.83	587,752.04	36.102550	-107.536283
First Survey Curve									
4,261.00	4.30	154.23	4,168.02	707.29	-281.20	1,856,701.34	587,752.69	36.102546	-107.536281
4,292.00	7.17	150.02	4,198.87	704.56	-279.73	1,856,698.62	587,754.17	36.102539	-107.536276
4,323.00	9.78	151.76	4,229.52	700.57	-277.52	1,856,694.63	587,756.39	36.102528	-107.536269
4,355.00	11.87	147.78	4,260.95	695.39	-274.47	1,856,689.46	587,759.45	36.102513	-107.536258
4,386.00	14.33	144.26	4,291.15	689.58	-270.53	1,856,683.66	587,763.41	36.102497	-107.536245
4,417.00	16.59	139.83	4,321.02	683.08	-265.44	1,856,677.18	587,768.52	36.102480	-107.536228
4,449.00	18.63	139.83	4,351.52	675.68	-259.19	1,856,669.80	587,774.79	36.102459	-107.536207
4,480.00	21.01	139.88	4,380.68	667.65	-252.42	1,856,661.79	587,781.59	36.102437	-107.536184
4,511.00	23.20	139.86	4,409.40	658.73	-244.90	1,856,652.89	587,789.14	36.102413	-107.536158
4,543.00	25.27	138.27	4,438.58	648.81	-236.29	1,856,643.00	587,797.78	36.102386	-107.536129
4,574.00	27.46	136.57	4,466.36	638.68	-226.97	1,856,632.90	587,807.13	36.102358	-107.536098
4,605.00	29.23	134.49	4,493.64	628.19	-216.65	1,856,622.44	587,817.47	36.102329	-107.536063
4,636.00	30.94	133.76	4,520.46	617.37	-205.50	1,856,611.65	587,828.66	36.102299	-107.536025
4,668.00	33.40	133.71	4,547.55	605.59	-193.19	1,856,599.91	587,841.01	36.102267	-107.535983
4,699.00	35.78	133.70	4,573.06	593.43	-180.47	1,856,587.79	587,853.77	36.102233	-107.535940
4,730.00	38.35	133.72	4,597.80	580.52	-166.96	1,856,574.93	587,867.31	36.102198	-107.535894
4,762.00	41.53	134.28	4,622.33	566.25	-152.19	1,856,560.70	587,882.13	36.102159	-107.535844
4,793.00	44.48	135.28	4,645.00	551.36	-137.19	1,856,545.85	587,897.18	36.102118	-107.535794

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well State 2207-36D #193H
Project:	Sandoval County, NM 3003 West	TVD Reference:	GL 6942 + KB 21 = @ 6963.00usft (Cyclone 32)
Site:	State 2207-36D	MD Reference:	GL 6942 + KB 21 = @ 6963.00usft (Cyclone 32)
Well:	State 2207-36D #193H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	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
4,824.00	47.13	136.08	4,666.61	535.45	-121.66	1,856,530.00	587,912.75	36.102074	-107.535741
4,856.00	49.41	136.50	4,687.91	518.19	-105.16	1,856,512.78	587,929.30	36.102027	-107.535685
4,887.00	52.32	136.21	4,707.47	500.79	-88.57	1,856,495.44	587,945.95	36.101979	-107.535629
4,918.00	55.40	136.62	4,725.75	482.66	-71.31	1,856,477.36	587,963.26	36.101929	-107.535571
4,950.00	59.27	136.44	4,743.02	463.12	-52.78	1,856,457.87	587,981.85	36.101875	-107.535508
4,981.00	62.40	136.60	4,758.12	443.48	-34.16	1,856,438.29	588,000.54	36.101821	-107.535445
5,012.00	64.94	137.06	4,771.87	423.21	-15.15	1,856,418.08	588,019.61	36.101766	-107.535381
5,043.00	67.53	137.32	4,784.36	402.40	4.13	1,856,397.33	588,038.95	36.101709	-107.535315
5,075.00	69.91	137.26	4,795.98	380.49	24.35	1,856,375.48	588,059.24	36.101648	-107.535247
5,106.00	72.21	136.98	4,806.04	359.01	44.30	1,856,354.06	588,079.26	36.101589	-107.535179
5,137.00	74.62	137.32	4,814.89	337.23	64.51	1,856,332.34	588,099.53	36.101530	-107.535111
5,169.00	77.29	137.06	4,822.65	314.46	85.60	1,856,309.63	588,120.69	36.101467	-107.535040
5,200.00	79.40	137.53	4,828.91	292.15	106.19	1,856,287.39	588,141.35	36.101406	-107.534970
5,231.00	81.25	138.79	4,834.12	269.38	126.57	1,856,264.68	588,161.80	36.101343	-107.534901
5,263.00	83.78	138.28	4,838.29	245.61	147.58	1,856,240.97	588,182.88	36.101278	-107.534830
Last Survey Curve									
5,267.82	84.12	138.19	4,838.80	242.03	150.77	1,856,237.41	588,186.08	36.101268	-107.534819
ST36D-193H POE									
5,320.00	87.76	137.25	4,842.50	203.53	185.78	1,856,199.01	588,221.21	36.101162	-107.534700
7" Casing@ 5320' MD, 1856199.01 N, 588221.21 E									
5,345.00	89.50	136.80	4,843.10	185.24	202.82	1,856,180.78	588,238.30	36.101112	-107.534643
First Survey Lateral									
5,437.00	88.83	137.72	4,844.44	117.68	265.25	1,856,113.41	588,300.94	36.100926	-107.534431
5,531.00	87.42	136.79	4,847.51	48.69	329.02	1,856,044.62	588,364.92	36.100737	-107.534216
5,626.00	87.85	135.92	4,851.43	-19.99	394.53	1,855,976.13	588,430.64	36.100548	-107.533994
5,720.00	88.39	135.19	4,854.52	-87.07	460.31	1,855,909.26	588,496.63	36.100364	-107.533771
5,815.00	89.93	136.05	4,855.91	-154.95	526.75	1,855,841.58	588,563.27	36.100177	-107.533546
5,909.00	89.56	136.38	4,856.33	-222.82	591.79	1,855,773.92	588,628.52	36.099991	-107.533326
6,004.00	90.27	135.40	4,856.47	-291.02	657.91	1,855,705.91	588,694.85	36.099804	-107.533102
6,098.00	89.73	134.79	4,856.47	-357.60	724.27	1,855,639.54	588,761.41	36.099621	-107.532878
6,192.00	89.56	135.21	4,857.05	-424.07	790.74	1,855,573.27	588,828.08	36.099438	-107.532653
6,287.00	88.29	136.46	4,858.83	-492.20	856.91	1,855,505.34	588,894.47	36.099251	-107.532429
6,359.00	87.75	136.08	4,861.32	-544.20	906.65	1,855,453.50	588,944.37	36.099108	-107.532260
RSI@ 6359' MD, 1855453.50 N, 588944.37 E									
6,373.00	87.65	136.01	4,861.88	-554.27	916.36	1,855,443.46	588,954.11	36.099080	-107.532227
Last Survey Lateral									
6,435.00	87.65	136.01	4,864.42	-598.84	959.38	1,855,399.02	588,997.27	36.098958	-107.532082
BP@ 6435' MD, 1855399.02 N, 588997.27 E - ST36D-193H BHL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
ST36D-193H BHL	0.00	0.00	4,810.00	-599.50	971.07	1,855,398.39	589,008.95	36.098956	-107.532042
- actual wellpath misses target center by 55.67usft at 6435.00usft MD (4864.42 TVD, -598.84 N, 959.38 E)									
- Point									
ST36D-193H POE	0.00	0.00	4,825.00	254.08	165.56	1,856,249.50	588,200.83	36.101301	-107.534769
- actual wellpath misses target center by 23.53usft at 5267.22usft MD (4838.74 TVD, 242.48 N, 150.38 E)									
- Point									

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well State 2207-36D #193H
Project:	Sandoval County, NM 3003 West	TVD Reference:	GL 6942 + KB 21 = @ 6963.00usft (Cyclone 32)
Site:	State 2207-36D	MD Reference:	GL 6942 + KB 21 = @ 6963.00usft (Cyclone 32)
Well:	State 2207-36D #193H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	Grand Junction District

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
439.00	439.00	-0.36	-1.37	First Survey Int.
4,198.00	4,105.07	709.16	-281.80	Last Survey Int.
4,229.00	4,136.07	708.78	-281.85	First Survey Curve
5,263.00	4,838.29	245.61	147.58	Last Survey Curve
5,320.00	4,842.50	203.53	185.78	7" Casing@ 5320' MD, 1856199.01 N, 588221.21 E
5,345.00	4,843.10	185.24	202.82	First Survey Lateral
6,359.00	4,861.32	-544.20	906.65	RSI@ 6359' MD, 1855453.50 N, 588944.37 E
6,373.00	4,861.88	-554.27	916.36	Last Survey Lateral
6,435.00	4,864.42	-598.84	959.38	BP@ 6435' MD, 1855399.02 N, 588997.27 E

Checked By: _____	Approved By: _____	Date: _____
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