

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 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 Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
"AS DRILLED"

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30962	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 35644	⁵ Property Name Carracas 14 B	⁶ Well Number 2H
⁷ OGRID No. 162928	⁸ Operator Name Energen Resources Corporation	⁹ Elevation 6,536'

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
G	15	32N	04W		1,702	North	1,865	East	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
L	14	32N	04W		1,841	South	815	West	Rio Arriba

¹² Dedicated Acres 4376.47	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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RCVD JUL 3 '12
OIL CONS. DIV.
DIST. 3

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.

1330.2' (M), 1329.9' (R)

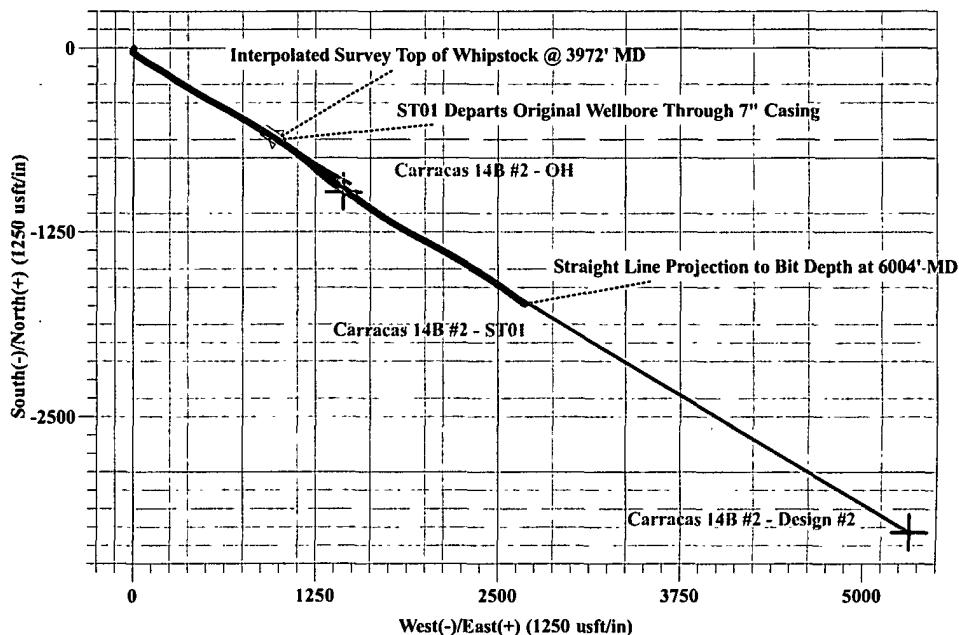
1322.52' (M), 1322.31' (R)

	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 Andrew Soto Printed Name asoto@energen.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. September 24, 2010 Date of Survey Signature and Seal of Professional Surveyor: Original survey conducted and recorded by David R. Russell 10201 Certificate Number

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

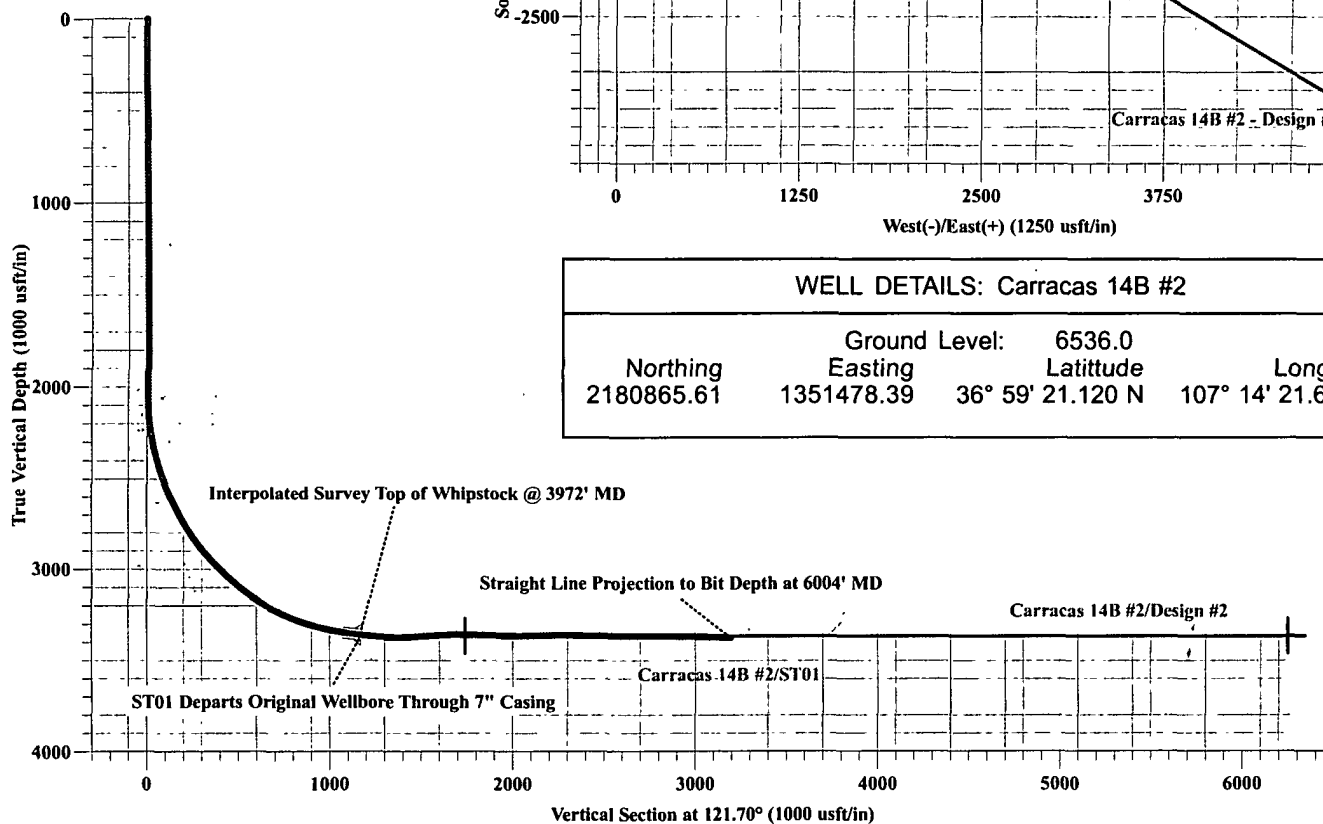
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Land 14B-2	3364.0	-980.0	1440.0	2179870.70	1352908.13	Point
TD - 14B #2	3364.0	-3283.6	5316.3	2177526.92	1356760.33	Point

EOW
No Hardlines
Crossed



WELL DETAILS: Carracas 14B #2

Ground Level:	6536.0
Latitude	36° 59' 21.120 N
Longitude	107° 14' 21.660 W
Northing	2180865.61
Easting	1351478.39



SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
3962.0	82.92	121.28	3356.3	-618.1	977.7	0.00	0.00	1156.6	
3972.0	83.46	121.16	3357.4	-623.3	986.1	5.53	-12.45	1166.5	
3981.0	83.94	124.16	3358.4	-628.1	993.7	33.56	81.02	1175.5	
4148.6	90.48	130.85	3366.6	-729.9	1126.3	5.58	45.84	1341.8	
4368.6	90.48	130.85	3364.8	-873.8	1292.7	0.00	0.00	1559.0	
4550.4	90.00	120.72	3364.0	-980.0	1440.0	5.58	-92.67	1740.1	Land 14B-2
9059.6	90.00	120.72	3364.0	-3283.6	5316.3	0.00	0.00	6248.7	TD - 14B #2

Plan: Design #2 (Carracas 14B #2/ST01)

Created By: Breck Enoch

Date: 15-May-2012



Energen Resources Corp

Rio Arriba County, NM

Sec 15 T32N R04W

Carracas 14B #2

ST01

Design: ST01

Standard Survey Report

16 May, 2012

PATHFINDER
A Schlumberger Company

Company:	Energen Resources Corp	Local Co-ordinate Reference:	Well Carracas 14B #2
Project:	Rio Arriba County, NM	TVD Reference:	WELL @ 6550.0usft (Original Well Elev)
Site:	Sec 15 T32N R04W	MD Reference:	WELL @ 6550.0usft (Original Well Elev)
Well:	Carracas 14B #2	North Reference:	True
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.1 Single User Db

Project Rio Arriba County, NM			
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site:		Sec 15 T32N R04W			
Site Position:		Northing:	2,180,865.61 usft	Latitude:	36° 59' 21.120 N
From:	Lat/Long	Easting:	1,351,478.39 usft	Longitude:	107° 14' 21.660 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.60 °

Well: Carracas 14B #2						
Well Position	+N/-S	0.0 usft	Northing:	2,180,865.61 usft	Latitude:	36° 59' 21.120 N
	+E/-W	0.0 usft	Easting:	1,351,478.39 usft	Longitude:	107° 14' 21.660 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	6,536.0 usft

Wellbore	ST01				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	03/09/12	9.61	63.76	50,873

Design:		ST01			
Audit Notes:					
Version:		1.0	Phase:		ACTUAL
			Tie On Depth:		0.0
Vertical Section:		Depth From (TVD)	+N/-S	+E/-W	Direction
		(usft)	(usft)	(usft)	(°)
		3,364.0	0.0	0.0	121.70

Survey Program		Date	05/16/12		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
329.0	6,004.0	Survey #3 (ST01)	MWD	MWD - Standard	

Survey										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate	
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
329.0	0.79	187.50	329.0	-2.2	-0.3	0.9	0.24	0.24	0.00	
424.0	0.97	190.93	424.0	-3.7	-0.5	1.5	0.20	0.19	3.61	
520.0	1.14	194.94	520.0	-5.4	-0.9	2.0	0.19	0.18	4.18	
616.0	0.62	175.32	616.0	-6.8	-1.1	2.6	0.62	-0.54	-20.44	
711.0	0.70	172.12	710.9	-7.9	-1.0	3.3	0.09	0.08	-3.37	
807.0	0.70	177.01	806.9	-9.1	-0.9	4.0	0.06	0.00	5.09	
902.0	0.62	188.55	901.9	-10.2	-1.0	4.5	0.16	-0.08	12.15	
998.0	0.79	188.90	997.9	-11.4	-1.1	5.0	0.18	0.18	0.36	
1,093.0	0.70	194.21	1,092.9	-12.6	-1.4	5.4	0.12	-0.09	5.59	

Company:	Energen Resources Corp	Local Co-ordinate Reference:	Well Carracas 14B #2
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Site:	Sec 15 T32N R04W	MD Reference:	WELL @ 6550.0usft (Original Well Elev)
Well:	Carracas 14B #2	North Reference:	True
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	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)
1,189.0	0.62	202.64	1,188.9	-13.6	-1.7	5.7	0.13	-0.08	8.78
1,284.0	0.79	199.58	1,283.9	-14.7	-2.1	5.9	0.18	0.18	-3.22
1,380.0	0.88	218.65	1,379.9	-15.9	-2.8	6.0	0.30	0.09	19.86
1,475.0	0.97	213.03	1,474.9	-17.1	-3.7	5.9	0.13	0.09	-5.92
1,568.0	0.79	213.65	1,567.9	-18.3	-4.5	5.8	0.19	-0.19	0.67
1,658.0	0.79	210.66	1,657.9	-19.4	-5.2	5.8	0.05	0.00	-3.32
1,751.0	0.88	216.70	1,750.9	-20.5	-5.9	5.8	0.14	0.10	6.49
1,846.0	0.88	210.99	1,845.8	-21.7	-6.7	5.7	0.09	0.00	-6.01
1,938.0	0.79	216.63	1,937.8	-22.8	-7.5	5.7	0.13	-0.10	6.13
2,031.0	0.62	213.84	2,030.8	-23.8	-8.1	5.6	0.19	-0.18	-3.00
2,062.0	0.62	173.90	2,061.8	-24.1	-8.2	5.7	1.37	0.00	-128.84
2,092.0	1.41	152.09	2,091.8	-24.6	-8.0	6.1	2.89	2.63	-72.70
2,122.0	2.55	140.45	2,121.8	-25.4	-7.4	7.0	4.01	3.80	-38.80
2,151.0	4.13	136.49	2,150.7	-26.7	-6.3	8.7	5.50	5.45	-13.66
2,180.0	5.80	133.30	2,179.6	-28.4	-4.5	11.1	5.83	5.76	-11.00
2,211.0	7.47	132.23	2,210.4	-30.9	-1.9	14.6	5.40	5.39	-3.45
2,242.0	8.62	128.84	2,241.1	-33.7	1.4	18.9	4.01	3.71	-10.94
2,271.0	9.67	127.79	2,269.8	-36.5	5.1	23.5	3.67	3.62	-3.62
2,302.0	10.82	127.35	2,300.3	-39.9	9.4	29.0	3.72	3.71	-1.42
2,333.0	12.22	126.53	2,330.6	-43.6	14.4	35.1	4.55	4.52	-2.65
2,364.0	13.63	126.08	2,360.8	-47.7	20.0	42.1	4.56	4.55	-1.45
2,394.0	15.21	125.91	2,389.9	-52.1	26.0	49.5	5.27	5.27	-0.57
2,423.0	16.71	125.97	2,417.8	-56.8	32.5	57.5	5.17	5.17	0.21
2,455.0	18.29	124.98	2,448.3	-62.4	40.3	67.1	5.02	4.94	-3.09
2,485.0	19.79	124.54	2,476.7	-67.9	48.3	76.8	5.02	5.00	-1.47
2,516.0	20.93	123.80	2,505.7	-74.0	57.3	87.6	3.77	3.68	-2.39
2,546.0	21.98	123.66	2,533.6	-80.1	66.4	98.6	3.50	3.50	-0.47
2,577.0	23.04	123.51	2,562.3	-86.6	76.3	110.4	3.42	3.42	-0.48
2,607.0	24.27	123.80	2,589.8	-93.3	86.3	122.5	4.12	4.10	0.97
2,637.0	25.41	122.59	2,617.0	-100.2	96.8	135.1	4.16	3.80	-4.03
2,666.0	26.20	121.19	2,643.1	-106.9	107.6	147.7	3.44	2.72	-4.83
2,697.0	26.56	118.69	2,670.9	-113.8	119.5	161.4	3.77	1.16	-8.06
2,727.0	27.26	118.21	2,697.6	-120.2	131.4	175.0	2.44	2.33	-1.60
2,757.0	27.98	118.34	2,724.2	-126.8	143.7	188.9	2.34	2.33	0.43
2,787.0	29.46	118.56	2,750.5	-133.7	156.3	203.3	5.01	5.00	0.73
2,818.0	31.22	120.29	2,777.3	-141.4	170.0	218.9	6.34	5.68	5.58
2,850.0	33.15	121.33	2,804.3	-150.1	184.6	236.0	6.27	6.03	3.25
2,882.0	35.00	122.90	2,830.9	-159.6	199.8	253.9	6.40	5.78	4.91
2,914.0	36.49	124.14	2,856.8	-170.0	215.4	272.6	5.18	4.66	3.88
2,946.0	37.72	124.48	2,882.3	-180.8	231.3	291.8	3.90	3.84	1.06
2,978.0	39.04	123.53	2,907.4	-192.0	247.8	311.7	4.52	4.13	-2.97
3,010.0	40.89	123.44	2,932.0	-203.3	264.9	332.2	5.78	5.78	-0.28
3,042.0	42.38	121.40	2,955.9	-214.7	282.9	353.5	6.29	4.66	-8.38
3,073.0	43.88	121.05	2,978.5	-225.7	301.0	374.7	4.90	4.84	-1.13

Company:	Energgen Resources Corp	Local Co-ordinate Reference:	Well Carracas 14B #2
Project:	Rio Amba County, NM	TVD Reference:	WELL @ 6550.0usft (Original Well Elev)
Site:	Sec 15 T32N R04W	MD Reference:	WELL @ 6550.0usft (Original Well Elev)
Well:	Carracas 14B #2	North Reference:	True
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	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)	
3,105.0	45.11	120.40	3,001.3	-237.1	320.3	397.1	4.10	3.84	-2.03	
3,137.0	46.25	119.93	3,023.7	-248.6	340.1	420.0	3.71	3.56	-1.47	
3,168.0	47.13	120.06	3,044.9	-259.9	359.6	442.5	2.86	2.84	0.42	
3,200.0	49.07	119.96	3,066.3	-271.8	380.2	466.4	6.07	6.06	-0.31	
3,232.0	51.09	120.25	3,086.8	-284.1	401.5	490.9	6.35	6.31	0.91	
3,264.0	52.58	120.29	3,106.6	-296.8	423.2	516.0	4.66	4.66	0.13	
3,295.0	52.76	120.89	3,125.4	-309.4	444.4	540.7	1.64	0.58	1.94	
3,327.0	52.85	120.95	3,144.8	-322.5	466.3	566.2	0.32	0.28	0.19	
3,391.0	57.42	118.79	3,181.3	-348.6	511.8	618.6	7.66	7.14	-3.38	
3,455.0	62.08	118.32	3,213.6	-375.0	560.4	673.8	7.31	7.28	-0.73	
3,518.0	64.90	118.36	3,241.7	-401.8	610.0	730.1	4.48	4.48	0.06	
3,582.0	67.44	119.24	3,267.5	-430.0	661.3	788.6	4.16	3.97	1.38	
3,644.0	70.70	119.94	3,289.7	-458.5	711.6	846.4	5.36	5.26	1.13	
3,707.0	74.39	120.65	3,308.6	-488.9	763.5	906.5	5.95	5.86	1.13	
3,771.0	76.24	121.40	3,324.8	-520.8	816.6	968.4	3.10	2.89	1.17	
3,835.0	78.96	121.08	3,338.6	-553.2	870.0	1,030.9	4.28	4.25	-0.50	
3,898.0	83.01	121.01	3,348.4	-585.3	923.3	1,093.1	6.43	6.43	-0.11	
3,962.0	82.92	121.28	3,356.3	-618.1	977.7	1,156.6	0.44	-0.14	0.42	
3,972.0	83.46	121.16	3,357.4	-623.3	986.1	1,166.5	5.53	5.40	-1.20	
Interpolated Survey Top of Whipstock @ 3972' MD										
3,980.0	83.54	121.55	3,358.3	-627.4	992.9	1,174.5	5.01	1.04	4.93	
ST01 Departs Original Wellbore Through 7" Casing										
4,063.0	84.42	125.64	3,367.1	-673.1	1,061.7	1,257.0	5.01	1.06	4.92	
4,095.0	86.00	125.70	3,369.7	-691.7	1,087.6	1,288.8	4.94	4.94	0.19	
4,159.0	89.34	127.34	3,372.3	-729.7	1,139.0	1,352.5	5.81	5.22	2.56	
4,190.0	91.19	127.36	3,372.2	-748.5	1,163.6	1,383.3	5.97	5.97	0.06	
4,222.0	92.59	126.84	3,371.1	-767.8	1,189.1	1,415.2	4.67	4.38	-1.63	
4,254.0	92.42	126.84	3,369.7	-787.0	1,214.7	1,447.0	0.53	-0.53	0.00	
4,286.0	92.95	126.55	3,368.2	-806.1	1,240.3	1,478.9	1.89	1.66	-0.91	
4,318.0	93.56	126.75	3,366.4	-825.2	1,266.0	1,510.7	2.01	1.91	0.63	
4,349.0	93.56	126.08	3,364.5	-843.5	1,290.9	1,541.5	2.16	0.00	-2.16	
4,381.0	93.65	126.01	3,362.5	-862.3	1,316.7	1,573.4	0.36	0.28	-0.22	
4,413.0	92.86	126.38	3,360.7	-881.2	1,342.5	1,605.2	2.73	-2.47	1.16	
4,445.0	92.68	126.45	3,359.1	-900.2	1,368.2	1,637.1	0.60	-0.56	0.22	
4,477.0	92.15	126.41	3,357.8	-919.1	1,393.9	1,668.9	1.66	-1.66	-0.13	
4,509.0	90.13	126.43	3,357.1	-938.1	1,419.7	1,700.8	6.31	-6.31	0.06	
4,541.0	89.60	126.34	3,357.2	-957.1	1,445.4	1,732.7	1.68	-1.66	-0.28	
4,604.0	86.53	126.43	3,359.3	-994.5	1,496.1	1,795.5	4.88	-4.87	0.14	
4,635.0	88.37	125.69	3,360.7	-1,012.7	1,521.1	1,826.3	6.40	5.94	-2.39	
4,667.0	88.72	126.44	3,361.5	-1,031.5	1,547.0	1,858.2	2.59	1.09	2.34	
4,699.0	88.72	125.53	3,362.2	-1,050.3	1,572.9	1,890.1	2.84	0.00	-2.84	
4,730.0	89.25	125.39	3,362.8	-1,068.3	1,598.1	1,921.1	1.77	1.71	-0.45	
4,763.0	88.99	124.80	3,363.3	-1,087.3	1,625.1	1,954.0	1.95	-0.79	-1.79	

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Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.1 Single User Db

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4,795.0	89.52	124.23	3,363.7	-1,105.4	1,651.5	1,986.0	2.43	1.66	-1.78
4,827.0	89.34	123.35	3,364.0	-1,123.2	1,678.1	2,017.9	2.81	-0.56	-2.75
4,858.0	90.04	122.98	3,364.2	-1,140.2	1,704.0	2,048.9	2.55	2.26	-1.19
4,890.0	90.75	121.73	3,364.0	-1,157.3	1,731.1	2,080.9	4.49	2.22	-3.91
4,922.0	91.19	121.27	3,363.4	-1,174.0	1,758.3	2,112.9	1.99	1.38	-1.44
4,954.0	91.36	121.64	3,362.7	-1,190.7	1,785.6	2,144.9	1.27	0.53	1.16
4,985.0	90.84	121.40	3,362.1	-1,206.9	1,812.0	2,175.9	1.85	-1.68	-0.77
5,017.0	90.92	120.40	3,361.6	-1,223.3	1,839.5	2,207.9	3.13	0.25	-3.13
5,049.0	91.98	119.80	3,360.8	-1,239.4	1,867.2	2,239.9	3.81	3.31	-1.88
5,081.0	90.57	118.87	3,360.1	-1,255.0	1,895.1	2,271.8	5.28	-4.41	-2.91
5,113.0	88.02	117.12	3,360.5	-1,270.1	1,923.3	2,303.8	9.66	-7.97	-5.47
5,144.0	88.29	117.04	3,361.5	-1,284.2	1,950.9	2,334.6	0.91	0.87	-0.26
5,176.0	88.72	118.29	3,362.3	-1,299.0	1,979.2	2,366.6	4.13	1.34	3.91
5,208.0	87.76	118.92	3,363.3	-1,314.3	2,007.3	2,398.5	3.59	-3.00	1.97
5,239.0	89.34	118.42	3,364.1	-1,329.2	2,034.5	2,429.4	5.35	5.10	-1.61
5,271.0	90.57	118.59	3,364.1	-1,344.5	2,062.6	2,461.4	3.88	3.84	0.53
5,302.0	91.19	118.78	3,363.7	-1,359.3	2,089.8	2,492.3	2.09	2.00	0.61
5,334.0	89.96	118.72	3,363.3	-1,374.7	2,117.9	2,524.3	3.85	-3.84	-0.19
5,366.0	88.55	119.04	3,363.8	-1,390.2	2,145.9	2,556.3	4.52	-4.41	1.00
5,398.0	86.26	119.10	3,365.2	-1,405.7	2,173.8	2,588.2	7.16	-7.16	0.19
5,429.0	89.43	119.48	3,366.4	-1,420.9	2,200.8	2,619.1	10.30	10.23	1.23
5,461.0	90.13	120.26	3,366.5	-1,436.8	2,228.6	2,651.1	3.28	2.19	2.44
5,493.0	90.84	120.88	3,366.2	-1,453.1	2,256.1	2,683.1	2.95	2.22	1.94
5,524.0	90.66	121.33	3,365.8	-1,469.1	2,282.7	2,714.1	1.56	-0.58	1.45
5,556.0	89.96	121.24	3,365.6	-1,485.7	2,310.0	2,746.1	2.21	-2.19	-0.28
5,588.0	89.96	121.02	3,365.7	-1,502.3	2,337.4	2,778.1	0.69	0.00	-0.69
5,620.0	89.69	121.99	3,365.8	-1,519.0	2,364.7	2,810.1	3.15	-0.84	3.03
5,651.0	91.01	122.05	3,365.6	-1,535.4	2,391.0	2,841.1	4.26	4.26	0.19
5,683.0	88.29	123.36	3,365.8	-1,552.7	2,417.9	2,873.1	9.43	-8.50	4.09
5,715.0	89.43	123.87	3,366.4	-1,570.4	2,444.6	2,905.1	3.90	3.56	1.59
5,746.0	86.70	123.35	3,367.4	-1,587.6	2,470.4	2,936.0	8.96	-8.81	-1.68
5,778.0	89.34	123.76	3,368.6	-1,605.2	2,497.0	2,968.0	8.35	8.25	1.28
5,810.0	89.25	125.08	3,368.9	-1,623.3	2,523.4	2,999.9	4.13	-0.28	4.13
5,842.0	89.52	125.94	3,369.3	-1,641.9	2,549.4	3,031.9	2.82	0.84	2.69
5,873.0	89.16	125.57	3,369.6	-1,660.0	2,574.6	3,062.8	1.67	-1.16	-1.19
5,905.0	87.41	125.58	3,370.6	-1,678.6	2,600.6	3,094.7	5.47	-5.47	0.03
5,937.0	88.02	127.08	3,371.9	-1,697.6	2,626.4	3,126.6	5.06	1.91	4.69
6,004.0	88.02	127.08	3,374.2	-1,737.9	2,679.8	3,193.2	0.00	0.00	0.00

Straight Line Projection to Bit Depth at 6004' MD

Company:	Energien Resources Corp	Local Co-ordinate Reference:	Well Carracas 14B #2
Project:	Rio Arriba County, NM	TVD Reference:	WELL @ 6550.0usft (Original Well Elev)
Site:	Sec 15 T32N R04W	MD Reference:	WELL @ 6550.0usft (Original Well Elev)
Well:	Carracas 14B #2	North Reference:	True
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.1 Single User Db

Design Annotations:				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,972.0	3,357.4	-623.3	986.1	Interpolated Survey Top of Whipstock @ 3972' MD
3,980.0	3,358.3	-627.4	992.9	ST01 Departs Original Wellbore Through 7" Casing
6,004.0	3,374.2	-1,737.9	2,679.8	Straight Line Projection to Bit Depth at 6004' MD

Checked By: _____ Approved By: _____ Date: _____