

District I
1625 N. French Dr, Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-102
Revised October 12, 2005

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34811	² Pool Code 71599	³ Pool Name Basin Dakota
⁴ Property Code 21917	⁵ Property Name Gordon A	⁶ Well Number # 2E
⁷ OGRID No 162928	⁸ Operator Name Energen Resources Corporation	⁹ Elevation 6543'

¹⁰ Surface Location

UL or lot no. H	Section 24	Township 27N	Range 10W	Lot. Idn	Feet from the 1793'	North/South line North	Feet from the 857'	East/West line East	County San Juan
---------------------------	----------------------	------------------------	---------------------	----------	-------------------------------	----------------------------------	------------------------------	-------------------------------	---------------------------

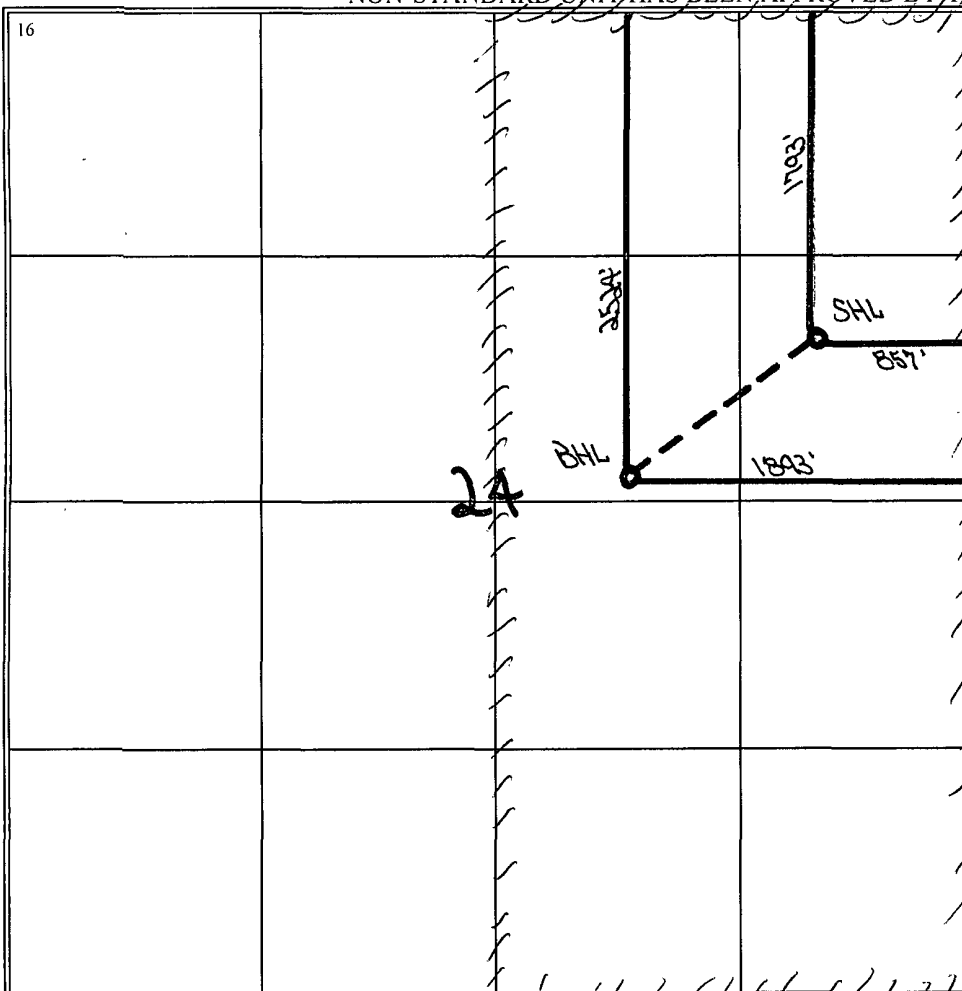
¹¹ Bottom Hole Location If Different From Surface

UL or lot no. G	Section 24	Township 27N	Range 10W	Lot. Idn	Feet from the 2524'	North/South line North	Feet from the 1893'	East/West line East	County San Juan
---------------------------	----------------------	------------------------	---------------------	----------	-------------------------------	----------------------------------	-------------------------------	-------------------------------	---------------------------

¹² Dedicated Acres E/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

RCVD APR 20 '09
OIL CONS. DIV.

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

16			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 <u>Vicki Donaghey</u> Date <u>04/15/09</u> Printed Name <u>Vicki Donaghey</u>	
			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 of Survey <u>11/06/08</u> Signature and Seal of Professional Surveyer <u>original survey conducted and recorded by: W. Benally</u> <u>NM 11952</u> Certificate Number	



Job Number: 601001451-NM-NM

Company: Energen Resources

Lease/Well: Gordon A #2E

Location: New Mexico

Rig Name: Patterson 754

RKB: 6556'

G.L. or M.S.L.: 6543'

State/Country: New Mexico / USA

Declination: 10.18

Grid: New Mexico West NAD-83

File name: C:\DOCUME~1\PES\MYDOCU~1\1451\1451.SVY

Date/Time: 12-Feb-09 / 09:51

Curve Name: Gordon A #2E

Pathfinder Energy

RCVD APR 20 '09

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane 235.78

Vertical Section Referenced to Wellhead

Rectangular Coordinates Referenced to Wellhead

OIL CONS. DIV.

DIST. 3

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
476.00	.62	331.78	475.99	2.27	-1.22	-.27	2.58	331.78	.13
568.00	.35	338.27	567.99	2.97	-1.56	-.38	3.35	332.32	.30
598.00	.26	249.53	597.99	3.03	-1.65	-.34	3.45	331.36	1.44
629.00	.97	203.94	628.99	2.77	-1.83	-.04	3.31	326.55	2.61
659.00	2.02	197.37	658.97	2.03	-2.09	.59	2.91	314.18	3.54
690.00	3.78	192.77	689.93	.51	-2.48	1.76	2.53	281.65	5.72
721.00	5.54	189.83	720.83	-1.96	-2.96	3.55	3.55	236.47	5.73
751.00	7.12	187.72	750.65	-5.23	-3.46	5.80	6.27	213.46	5.32
782.00	8.35	187.81	781.36	-9.36	-4.02	8.59	10.19	203.23	3.97

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
813.00	9.58	188.15	811.98	-14.15	-4.69	11.84	14.90	198.34	3.97
844.00	10.90	188.28	842.49	-19.60	-5.48	15.55	20.35	195.62	4.26
875.00	12.22	188.18	872.86	-25.75	-6.37	19.75	26.53	193.89	4.26
906.00	13.54	188.61	903.08	-32.59	-7.38	24.43	33.41	192.76	4.27
937.00	14.33	187.37	933.17	-39.98	-8.41	29.44	40.85	191.88	2.72
968.00	14.77	183.46	963.17	-47.73	-9.14	34.40	48.60	190.85	3.47
999.00	15.04	179.56	993.13	-55.69	-9.35	39.05	56.47	189.53	3.35
1030.00	15.21	177.81	1023.06	-63.78	-9.17	43.45	64.43	188.18	1.57
1061.00	15.30	176.87	1052.97	-71.93	-8.79	47.72	72.46	186.96	.85
1092.00	15.30	175.91	1082.87	-80.09	-8.27	51.88	80.52	185.90	.82
1123.00	15.48	177.00	1112.76	-88.30	-7.76	56.08	88.64	185.02	1.10
1153.00	15.92	177.04	1141.64	-96.41	-7.34	60.29	96.69	184.35	1.47
1215.00	16.53	178.07	1201.17	-113.72	-6.61	69.41	113.91	183.32	1.09
1308.00	17.32	178.16	1290.14	-140.78	-5.72	83.89	140.89	182.32	.85
1370.00	17.76	178.12	1349.25	-159.45	-5.11	93.89	159.53	181.84	.71
1431.00	18.20	178.11	1407.28	-178.27	-4.49	103.97	178.33	181.44	.72
1493.00	17.85	178.00	1466.23	-197.44	-3.84	114.21	197.48	181.11	.57
1555.00	17.67	178.97	1525.28	-216.35	-3.34	124.43	216.37	180.88	.56
1617.00	18.11	178.37	1584.28	-235.39	-2.89	134.77	235.41	180.70	.77
1710.00	16.71	179.72	1673.02	-263.21	-2.42	150.02	263.22	180.53	1.57
1773.00	16.53	180.06	1733.39	-281.23	-2.38	160.12	281.24	180.49	.32
1836.00	16.62	179.40	1793.77	-299.20	-2.30	170.16	299.21	180.44	.33
1898.00	16.53	180.01	1853.19	-316.89	-2.21	180.03	316.89	180.40	.32
1993.00	17.06	179.74	1944.14	-344.34	-2.15	195.42	344.34	180.36	.56
2088.00	16.97	179.59	2034.98	-372.13	-1.98	210.92	372.14	180.31	.11
2151.00	16.53	177.87	2095.31	-390.28	-1.58	220.79	390.29	180.23	1.05
2214.00	15.83	181.06	2155.81	-407.83	-1.41	230.52	407.83	180.20	1.80
2278.00	15.30	183.85	2217.47	-424.98	-2.14	240.77	424.99	180.29	1.43
2341.00	14.60	187.62	2278.34	-441.15	-3.75	251.19	441.16	180.49	1.90
2404.00	14.42	191.10	2339.33	-456.72	-6.31	262.06	456.76	180.79	1.41

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2467.00	13.72	192.16	2400.44	-471.72	-9.40	273.05	471.81	181.14	1.18
2531.00	13.98	194.91	2462.58	-486.61	-12.98	284.39	486.78	181.53	1.11
2594.00	14.16	199.29	2523.69	-501.24	-17.49	296.34	501.54	182.00	1.71
2657.00	13.72	203.92	2584.84	-515.34	-23.06	308.88	515.85	182.56	1.90
2720.00	12.57	208.30	2646.18	-528.20	-29.34	321.31	529.02	183.18	2.41
2784.00	12.57	212.36	2708.65	-540.22	-36.37	333.88	541.44	183.85	1.38
2846.00	12.66	216.28	2769.16	-551.40	-44.00	346.48	553.15	184.56	1.39
2910.00	12.22	224.10	2831.66	-561.91	-52.87	359.72	564.40	185.37	2.72
2973.00	12.13	231.34	2893.24	-570.84	-62.68	372.85	574.27	186.27	2.43
3037.00	12.66	236.59	2955.75	-578.90	-73.78	386.57	583.58	187.26	1.94
3100.00	13.19	242.01	3017.16	-586.07	-85.89	400.62	592.34	188.34	2.10
3163.00	13.10	249.04	3078.51	-592.00	-98.91	414.71	600.21	189.49	2.54
3225.00	13.45	255.37	3138.86	-596.34	-112.45	428.34	606.85	190.68	2.41
3288.00	13.01	260.93	3200.19	-599.31	-126.54	441.67	612.52	191.92	2.14
3350.00	12.22	261.37	3260.69	-601.39	-139.92	453.90	617.45	193.10	1.28
3414.00	12.22	263.79	3323.24	-603.14	-153.35	465.99	622.33	194.27	.80
3476.00	12.49	269.89	3383.81	-603.86	-166.58	477.34	626.42	195.42	2.15
3539.00	12.75	275.39	3445.29	-603.22	-180.31	488.33	629.59	196.64	1.95
3603.00	13.10	280.08	3507.67	-601.29	-194.48	498.96	631.96	197.92	1.73
3665.00	13.54	279.77	3568.00	-598.83	-208.55	509.21	634.11	199.20	.72
3728.00	14.07	277.51	3629.18	-596.58	-223.41	520.24	637.04	200.53	1.20
3791.00	14.77	276.71	3690.20	-594.64	-238.98	532.02	640.86	201.90	1.16
3854.00	16.18	276.75	3750.91	-592.67	-255.68	544.71	645.46	203.34	2.24
3917.00	17.06	277.80	3811.28	-590.38	-273.55	558.21	650.68	204.86	1.48
4011.00	18.11	278.15	3900.89	-586.44	-301.67	579.24	659.48	207.22	1.12
4072.00	18.11	277.64	3958.86	-583.83	-320.45	593.31	666.00	208.76	.26
4135.00	18.55	277.25	4018.67	-581.27	-340.10	608.11	673.45	210.33	.73
4198.00	17.59	276.25	4078.56	-578.97	-359.50	622.86	681.50	211.84	1.60
4292.00	16.97	277.97	4168.32	-575.52	-387.21	643.83	693.65	213.93	.85
4355.00	16.44	277.30	4228.66	-573.11	-405.16	657.32	701.86	215.26	.90

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
4417.00	16.80	276.13	4288.07	-571.04	-422.77	670.72	710.51	216.51	.79
4481.00	17.06	275.65	4349.29	-569.13	-441.31	684.97	720.18	217.79	.46
4542.00	17.24	276.29	4407.58	-567.26	-459.20	698.71	729.82	218.99	.43
4605.00	16.88	274.97	4467.81	-565.44	-477.59	712.90	740.14	220.19	.84
4668.00	16.62	273.57	4528.14	-564.09	-495.69	727.11	750.94	221.31	.76
4731.00	16.44	272.64	4588.53	-563.11	-513.59	741.36	762.15	222.37	.51
4794.00	16.00	273.17	4649.03	-562.22	-531.16	755.39	773.45	223.37	.74
4857.00	14.95	268.95	4709.74	-561.89	-547.96	769.09	784.85	224.28	2.44
4920.00	14.60	268.38	4770.66	-562.27	-564.02	782.58	796.41	225.09	.60
4983.00	14.42	268.17	4831.65	-562.74	-579.80	795.90	807.99	225.86	.30
5046.00	13.54	266.61	4892.78	-563.43	-595.00	808.85	819.44	226.56	1.52
5109.00	13.19	267.15	4954.08	-564.22	-609.54	821.32	830.60	227.21	.59
5171.00	13.19	269.54	5014.44	-564.63	-623.68	833.24	841.30	227.84	.88
5234.00	12.22	269.44	5075.90	-564.75	-637.54	844.77	851.70	228.46	1.54
5297.00	12.40	265.32	5137.45	-565.37	-650.95	856.20	862.19	229.02	1.42
5359.00	11.78	263.47	5198.08	-566.63	-663.87	867.60	872.81	229.52	1.18
5453.00	12.13	262.77	5290.04	-568.97	-683.20	884.90	889.09	230.21	.40
5485.00	11.87	262.10	5321.34	-569.84	-689.79	890.84	894.73	230.44	.92
5516.00	12.05	262.56	5351.67	-570.70	-696.16	896.59	900.19	230.66	.66
5548.00	12.40	262.75	5382.94	-571.57	-702.88	902.63	905.94	230.88	1.10
5610.00	11.61	264.84	5443.58	-572.97	-715.70	914.02	916.80	231.32	1.45
5674.00	10.11	265.52	5506.44	-573.98	-727.71	924.53	926.84	231.74	2.35
5737.00	10.55	264.87	5568.41	-574.93	-738.97	934.37	936.28	232.12	.72
5800.00	11.70	261.07	5630.23	-576.44	-751.02	945.18	946.74	232.49	2.16
5863.00	11.78	260.78	5691.91	-578.46	-763.68	956.79	958.03	232.86	.16
5926.00	11.44	260.34	5753.62	-580.54	-776.19	968.30	969.28	233.21	.56
5989.00	11.96	256.41	5815.32	-583.12	-788.69	980.09	980.85	233.52	1.51
6051.00	11.87	255.93	5875.98	-586.18	-801.12	992.09	992.68	233.81	.22
6115.00	12.13	256.27	5938.58	-589.38	-814.04	1004.57	1005.00	234.09	.42
6178.00	12.22	251.92	6000.17	-593.02	-826.81	1017.17	1017.49	234.35	1.46

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
6242.00	11.96	248.25	6062.75	-597.58	-839.41	1030.15	1030.39	234.55	1.27
6337.00	11.87	245.03	6155.70	-605.35	-857.41	1049.41	1049.57	234.78	.71
6400.00	11.61	244.60	6217.38	-610.80	-869.01	1062.07	1062.19	234.90	.44
6463.00	11.61	248.52	6279.10	-615.85	-880.63	1074.52	1074.61	235.03	1.25
6527.00	11.78	245.95	6341.77	-620.87	-892.59	1087.23	1087.29	235.18	.86
6589.00	12.31	243.94	6402.40	-626.35	-904.31	1100.00	1100.04	235.29	1.09
6653.00	12.49	242.81	6464.91	-632.51	-916.59	1113.62	1113.65	235.39	.47
6684.00	12.31	243.28	6495.19	-635.53	-922.53	1120.23	1120.25	235.44	.67
6748.00	12.66	243.54	6557.67	-641.72	-934.90	1133.94	1133.95	235.53	.55
6780.00	14.60	240.72	6588.77	-645.25	-941.56	1141.43	1141.44	235.58	6.41
6843.00	16.09	234.71	6649.53	-654.18	-955.61	1158.07	1158.08	235.61	3.46
6906.00	13.98	242.55	6710.37	-662.74	-969.49	1174.36	1174.37	235.64	4.64
6969.00	8.71	232.78	6772.13	-669.13	-980.05	1186.69	1186.69	235.68	8.87
7033.00	9.06	221.53	6835.36	-675.84	-987.25	1196.42	1196.42	235.61	2.76
7064.00	9.76	221.64	6865.94	-679.63	-990.62	1201.33	1201.34	235.55	2.26
7127.00	9.85	211.19	6928.03	-688.23	-996.96	1211.41	1211.44	235.38	2.82
7190.00	9.15	211.19	6990.17	-697.12	-1002.34	1220.86	1220.93	235.18	1.11
7252.00	9.76	221.03	7051.33	-705.31	-1008.34	1230.43	1230.53	235.03	2.78
7315.00	11.26	224.28	7113.27	-713.74	-1016.14	1241.62	1241.76	234.92	2.56
7377.00	10.11	230.17	7174.19	-721.56	-1024.55	1252.97	1253.14	234.84	2.56
Straight Line Projection to Bit at TD of 7460' MD									
7460.00	10.11	230.17	7255.91	-730.89	-1035.74	1267.47	1267.66	234.79	.00