

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 Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

RCVD DEC 13 '07
OIL CONS. DIV.

¹ API Number 30-045-34372	² Pool Code 71599	³ Pool Name Basin Dakota
⁴ Property Code 20185	⁵ Property Name Farmington C Com	⁶ Well Number 001Z
⁷ OGRID No. 14634	⁸ Operator Name Merrion Oil & Gas	⁹ Elevation 5286

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
K	15	29N	13W	K	1610	S	1452	W	San Juan

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
C	15	29N	13W	C	872	N	1825	W	San Juan
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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.

Base dK Bottom location 872' fsl - 1825 fwl 1097 872 Top dK BHL 1795	Section 15	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: <i>Tyson S. Foutz</i> Date: 12/12/07 Printed Name: Tyson S. Foutz
Surface location 1610' fsl 1452' fwl		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 Signature and Seal of Professional Surveyor GERALD HUDDLESTON LS 6844 Certificate Number



Job Number: FarmC1Z
 Company: Merrion Oil & Gas Corp.
 Lease/Well: Farmington C #1Z
 Location: San Juan County
 Rig Name: ☐
 RKB: ☐
 G.L. or M.S.L.: 5286'

State/Country: New Mexico
 Declination: 10.51601
 Grid: 0.18
 File name: C:\LTSTDSB\TEMP\HARDDR~1\CUSTOM~1\MERRIO~1\RM-07399\Q07044
 Date/Time: 04-Nov-07 / 15:33
 Curve Name: As-Drilled Surveys

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 7.20
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg	FNL-FSL FT	FEL-FWL FT
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1610.00 FSL	1452.00 FWL
1518.00	.50	263.80	1517.98	-1.53	-.72	-6.58	.03	6.62	263.80	1609.28 FSL	1445.42 FWL
1609.00	3.40	2.30	1608.93	1.06	1.94	-6.87	3.86	7.14	285.76	1611.94 FSL	1445.13 FWL
1699.00	6.20	2.60	1698.60	8.57	9.46	-6.54	3.11	11.50	325.33	1619.46 FSL	1445.46 FWL
1791.00	6.90	359.60	1790.00	19.00	19.95	-6.36	.85	20.94	342.33	1629.95 FSL	1445.64 FWL
1885.00	8.70	1.10	1883.13	31.66	32.71	-6.26	1.93	33.30	349.17	1642.71 FSL	1445.74 FWL
1978.00	10.00	10.00	1974.90	46.72	47.69	-4.72	2.09	47.93	354.35	1657.69 FSL	1447.28 FWL
2071.00	11.80	12.90	2066.21	64.25	64.91	-1.20	2.02	64.93	358.94	1674.91 FSL	1450.80 FWL
2162.00	16.50	11.90	2154.43	86.40	86.64	3.55	5.17	86.71	2.34	1696.64 FSL	1455.55 FWL
2252.00	19.20	9.30	2240.09	113.94	113.76	8.58	3.13	114.08	4.31	1723.76 FSL	1460.58 FWL
2343.00	21.70	6.80	2325.35	145.72	145.24	12.99	2.91	145.81	5.11	1755.24 FSL	1464.99 FWL
2436.00	24.90	10.30	2410.76	182.47	181.58	18.52	3.75	182.52	5.83	1791.58 FSL	1470.52 FWL
2528.00	26.40	12.10	2493.69	222.19	220.64	26.28	1.84	222.20	6.79	1830.64 FSL	1478.28 FWL
2621.00	29.30	11.40	2575.91	265.50	263.17	35.11	3.14	265.50	7.60	1873.17 FSL	1487.11 FWL

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	Dogleg Severity Deg/100	C L O S U R E		FNL-FSL FT	FEL-FWL FT
2716.00	32.50	8.50	2657.42	314.21	311.21	43.48	3.71	314.24	7.95	1921.21 FSL	1495.48 FWL
2806.00	35.20	11.10	2732.16	364.27	360.59	52.05	3.40	364.33	8.21	1970.59 FSL	1504.05 FWL
2899.00	36.40	11.80	2807.59	418.52	413.91	62.85	1.36	418.65	8.63	2023.91 FSL	1514.85 FWL
2992.00	37.90	13.40	2881.72	474.43	468.71	75.12	1.92	474.69	9.10	2078.71 FSL	1527.12 FWL
3083.00	39.20	14.80	2952.88	530.72	523.71	88.94	1.72	531.21	9.64	2133.71 FSL	1540.94 FWL
3176.00	38.90	11.00	3025.12	589.00	580.79	102.02	2.59	589.69	9.96	2190.79 FSL	1554.02 FWL
3268.00	37.80	5.40	3097.29	646.02	637.24	110.19	3.96	646.69	9.81	2247.24 FSL	1562.19 FWL
3362.00	36.30	5.20	3172.31	702.63	693.63	115.42	1.60	703.17	9.45	2303.63 FSL	1567.42 FWL
3455.00	36.80	6.40	3247.02	757.99	748.73	121.02	.94	758.44	9.18	2358.73 FSL	1573.02 FWL
3548.00	37.80	5.60	3321.00	814.33	804.77	126.91	1.19	814.72	8.96	2414.77 FSL	1578.91 FWL
3640.00	36.90	5.00	3394.13	870.12	860.35	132.07	1.06	870.43	8.73	2470.35 FSL	1584.07 FWL
3731.00	36.00	6.60	3467.33	924.16	914.13	137.52	1.44	924.42	8.56	2524.13 FSL	1589.52 FWL
3825.00	37.70	8.40	3542.55	980.53	970.01	144.90	2.14	980.78	8.50	2580.01 FSL	1596.90 FWL
3918.00	37.40	4.80	3616.29	1037.18	1026.30	151.41	2.38	1037.41	8.39	2636.30 FSL	1603.41 FWL
4007.00	36.70	4.20	3687.32	1090.74	1079.75	155.62	.89	1090.91	8.20	2689.75 FSL	1607.62 FWL
4101.00	38.00	3.90	3762.05	1147.68	1136.64	159.65	1.40	1147.80	8.00	2746.64 FSL	1611.65 FWL
4194.00	36.10	4.40	3836.27	1203.64	1192.52	163.70	2.07	1203.71	7.82	2802.52 FSL	1615.70 FWL
4286.00	35.60	3.90	3910.84	1257.44	1246.26	167.60	.63	1257.48	7.66	2856.26 FSL	1619.60 FWL
4379.00	35.40	4.90	3986.55	1311.38	1300.11	171.74	.66	1311.40	7.53	2910.11 FSL	1623.74 FWL
4472.00	36.50	7.50	4061.84	1365.96	1354.37	177.65	2.02	1365.97	7.47	2964.37 FSL	1629.65 FWL
4566.00	36.00	7.00	4137.65	1421.54	1409.51	184.67	.62	1421.56	7.46	3019.51 FSL	1636.67 FWL
4659.00	34.90	7.70	4213.41	1475.48	1463.00	191.57	1.26	1475.49	7.46	3073.00 FSL	1643.57 FWL
4751.00	35.40	9.50	4288.63	1528.42	1515.37	199.49	1.25	1528.44	7.50	3125.37 FSL	1651.49 FWL
4844.00	34.90	9.00	4364.67	1581.93	1568.21	208.10	.62	1581.96	7.56	3178.21 FSL	1660.10 FWL
4938.00	36.40	5.20	4441.06	1636.69	1622.56	214.83	2.85	1636.72	7.54	3232.56 FSL	1666.83 FWL
5032.00	39.10	7.00	4515.39	1694.22	1679.77	220.97	3.10	1694.24	7.49	3289.77 FSL	1672.97 FWL
5125.00	35.60	8.10	4589.30	1750.63	1735.69	228.37	3.83	1750.65	7.50	3345.69 FSL	1680.37 FWL
5214.00	35.80	9.60	4661.58	1802.54	1787.01	236.36	1.01	1802.57	7.53	3397.01 FSL	1688.36 FWL
5307.00	36.70	8.10	4736.58	1857.50	1841.34	244.81	1.36	1857.54	7.57	3451.34 FSL	1696.81 FWL
5401.00	37.10	8.10	4811.75	1913.94	1897.22	252.76	.43	1913.98	7.59	3507.22 FSL	1704.76 FWL
5495.00	34.90	6.30	4887.80	1969.18	1952.02	259.71	2.60	1969.22	7.58	3562.02 FSL	1711.71 FWL
5589.00	36.10	4.20	4964.32	2023.73	2006.37	264.69	1.82	2023.76	7.52	3616.37 FSL	1716.69 FWL
5683.00	38.60	6.60	5039.05	2080.71	2063.13	270.09	3.08	2080.73	7.46	3673.13 FSL	1722.09 FWL

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	Dogleg Severity Deg/100	C L O S U R E			
								Distance FT	Direction Deg	FNL-FSL FT	FEL-FWL FT
5776.00	38.10	8.00	5111.98	2138.41	2120.36	277.41	1.08	2138.43	7.45	3730.36 FSL	1729.41 FWL
5870.00	38.10	5.10	5185.96	2196.40	2177.97	284.03	1.90	2196.41	7.43	3787.97 FSL	1736.03 FWL
5963.00	38.50	6.40	5258.95	2254.01	2235.32	289.81	.97	2254.03	7.39	3845.32 FSL	1741.81 FWL
6056.00	37.50	7.50	5332.23	2311.27	2292.15	296.73	1.30	2311.28	7.38	3902.15 FSL	1748.73 FWL
6150.00	36.60	6.90	5407.25	2367.90	2348.34	303.83	1.03	2367.91	7.37	3958.34 FSL	1755.83 FWL
6243.00	39.50	10.70	5480.49	2425.17	2404.95	312.65	4.01	2425.18	7.41	4014.95 FSL	1764.65 FWL
6335.00	37.80	10.80	5552.34	2482.52	2461.40	323.37	1.85	2482.55	7.48	4071.40 FSL	1775.37 FWL
6366.00	37.80	9.00	5576.83	2501.49	2480.11	326.64	3.56	2501.53	7.50	4090.11 FSL	1778.64 FWL
6550.00	31.20	9.50	5728.39	2605.59	2582.92	343.34	3.59	2605.64	7.57	4192.92 FSL	1795.34 FWL
6642.00	34.30	8.50	5805.76	2655.33	2632.08	351.11	3.42	2655.39	7.60	4242.08 FSL	1803.11 FWL
6798.00	32.70	7.40	5935.84	2741.42	2717.34	363.03	1.10	2741.49	7.61	4327.34 FSL	1815.03 FWL
6860.00	32.50	7.40	5988.07	2774.82	2750.47	367.34	.32	2774.89	7.61	4360.47 FSL	1819.34 FWL
6910.00	32.40	6.70	6030.26	2801.65	2777.09	370.63	.78	2801.72	7.60	4387.09 FSL	1822.63 FWL
Projection to Bit											
6950.00	32.40	6.70	6064.04	2823.08	2798.38	373.13	.00	2823.15	7.59	4408.38 FSL	1825.13 FWL

BH L1
Top OK

6550

5728

1087/N

1795/cv

BH L2

6950

6064

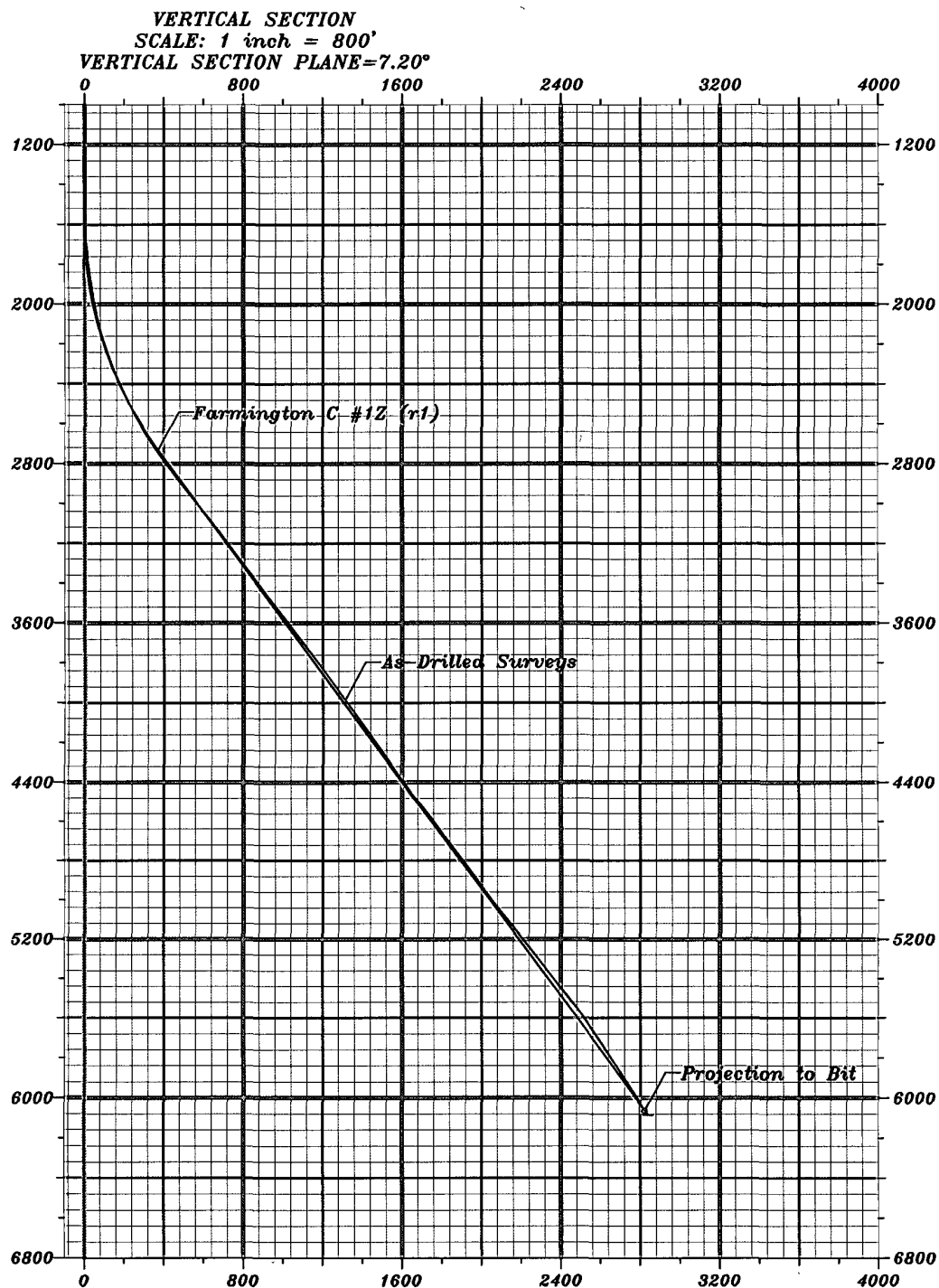
872/N

1825/cv

BH L1
 Top OK BH L1 6550 5728 1087/N 1795/W
 BH L2 6642 6064 872/N 1825/W

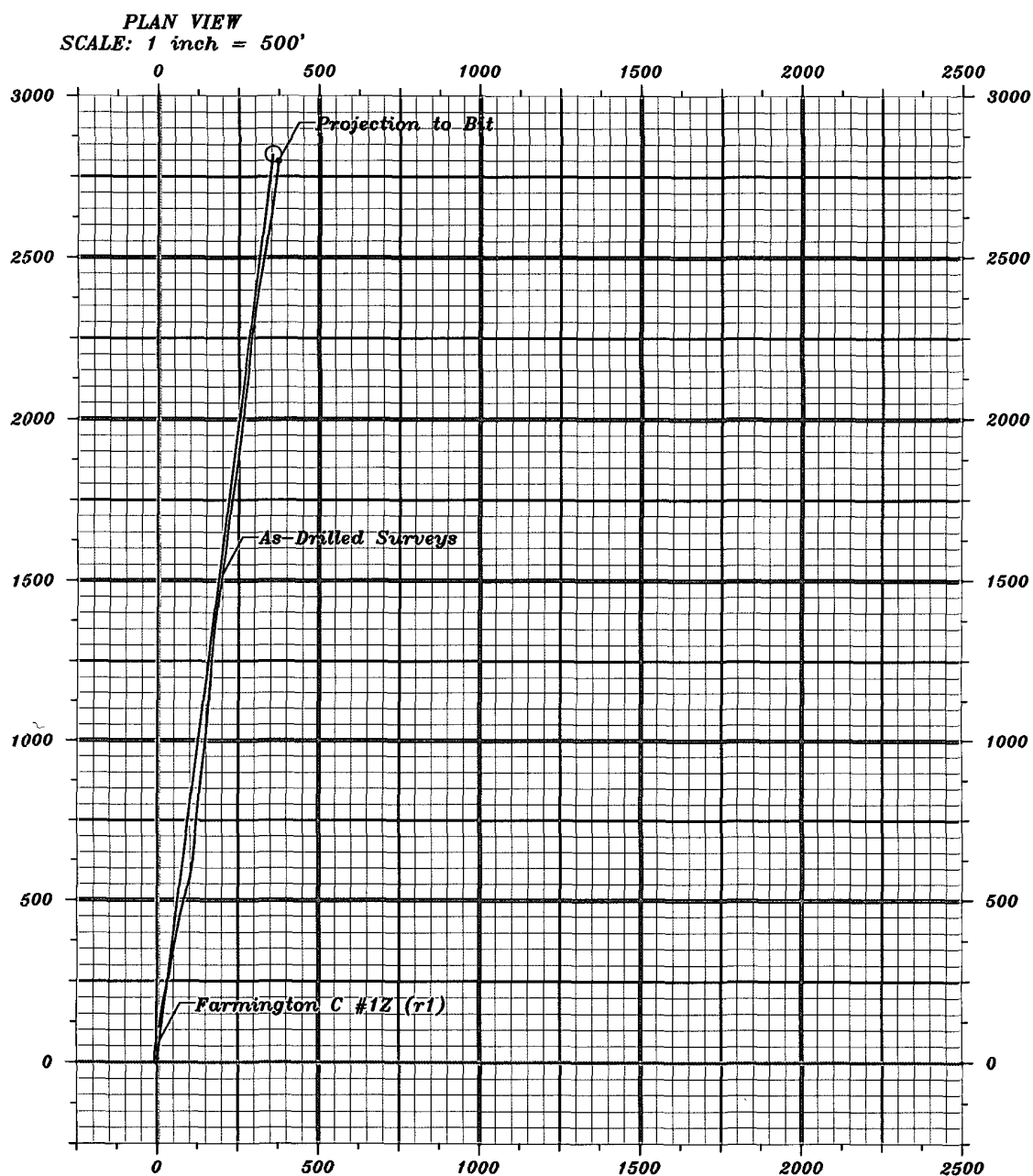
Merrion Oil & Gas

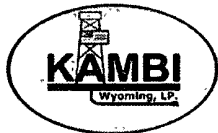
Farmington C #1Z As-Drilled
San Juan County, NM
RM-07399



Merrion Oil & Gas

Farmington C #1Z As-Drilled
San Juan County, NM
RM-07399





SURVEY CERTIFICATION SHEET

Merrion Oil & Gas
Company

KWY-031 / RM-07399
Job Number

21-Nov-07
Date

API#30-045-34372
Lease

Farmington C # 1Z
Well Name

San Juan County, NM
County & State

Surveyed from a depth of: **1518.00 feet to 6910.00 feet MD.**

Type of Survey : **MWD**

Directional Supervisor / Surveyor : Greg Mcquitter.

The data and calculations for this survey have been checked by me and conform to the standards and procedures set forth by Kambi Wyoming, LP. This report represents a true and correct Directional survey of this well based on the original data obtained at the well site. Wellbore Coordinates are calculated using minimum curvature.

Ewert Munoz
Operation Manager

Certification Number : KWY-C004.