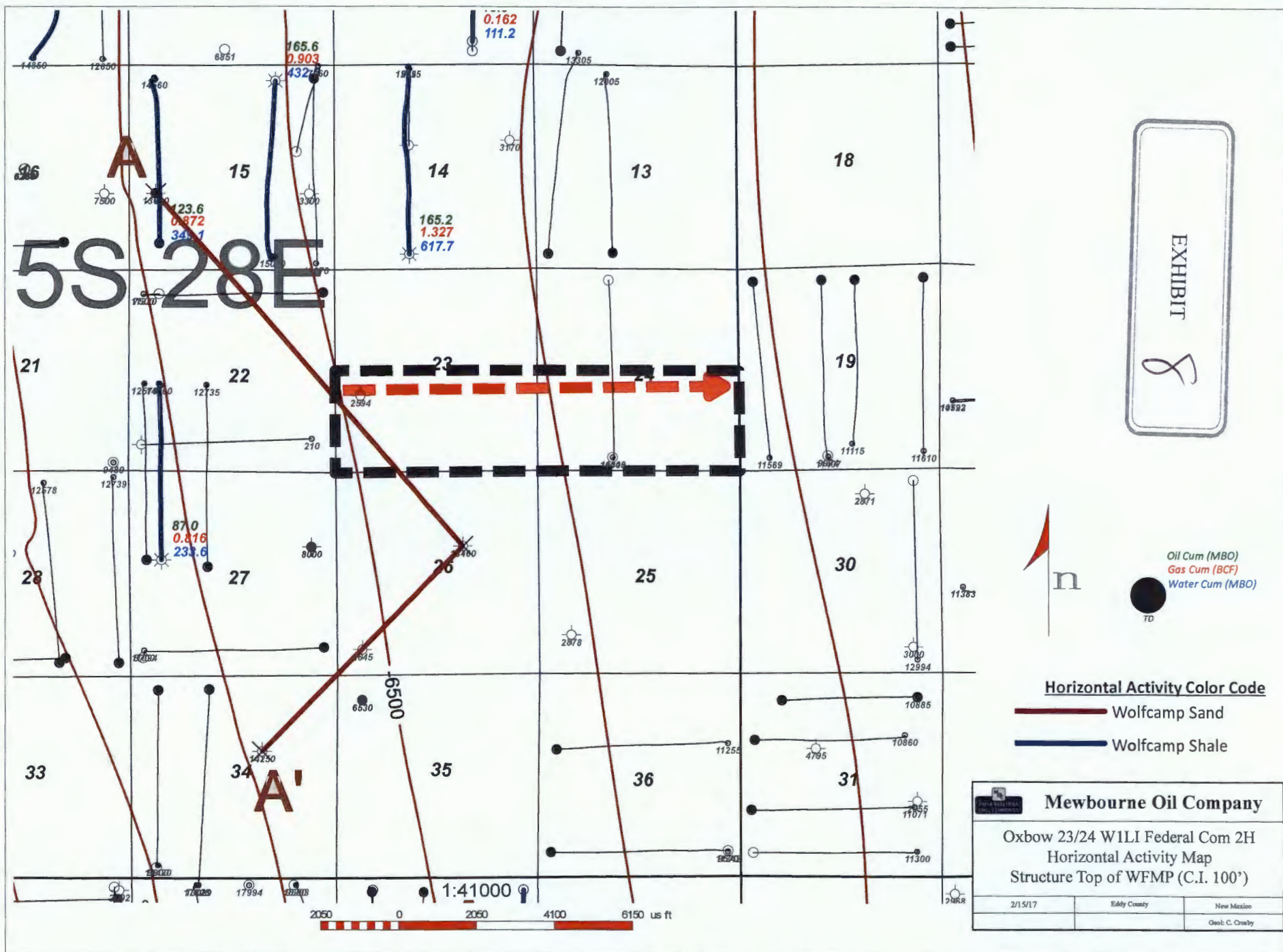
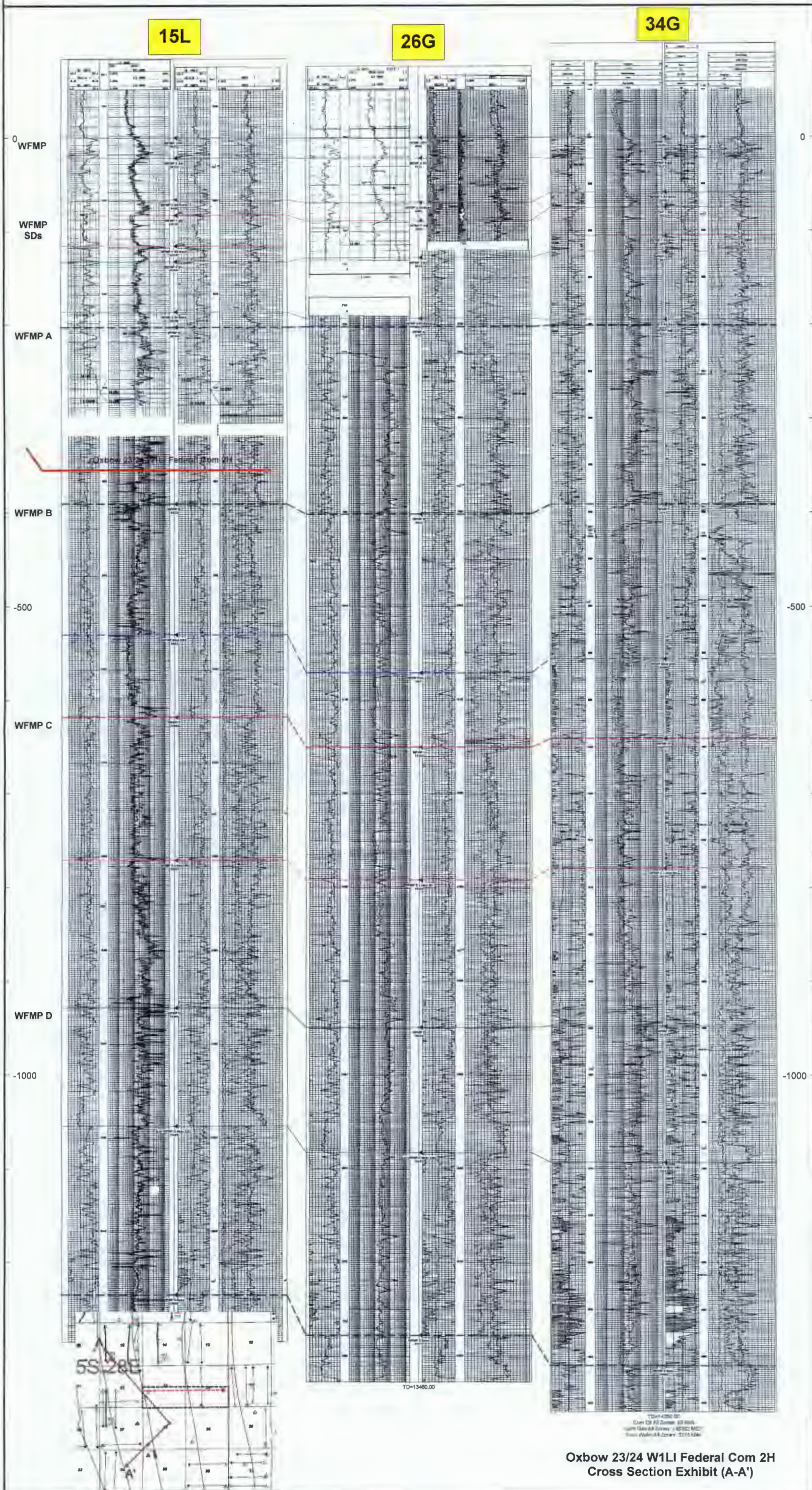




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**Oxbow 23/24 W1LI Federal Com 2H
Cross Section Exhibit (A-A')**

EXHIBIT

2

Oxbow Area Wolfcamp Production Table

Well Name	Operator	API	Location	WFMP Comp Date	Cum Oil (Mbo)	Cum Gas (BCF)	Cum Water (Mbw)	NS/EW	WFMP Zone
San Lorenzo 15 DM Fee Com 1H	Mewbourne	3001540402	15DM/25S/28E	12/6/2012	123.6	0.8	349.1	NS	WFMP D Shale
San Lorenzo 15 OB Fee 1H	Mewbourne	3001540403	15OB/25S/28E	1/4/2014	165.6	0.9	432.5	NS	WFMP D Shale
San Lorenzo 22-27 LE Fee 2H	Mewbourne	3001541153	22LE/25S/28E	8/21/2013	87	0.8	233.6	NS	WFMP D Shale
San Lorenzo 9 OB Fee 1H	Mewbourne	3001541304	9OB/25S/28E	4/24/2014	181.5	1.3	506.3	NS	WFMP D Shale
Riverbend 14 Federal Com 2H	Cimarex	3001541589	14CN/25S/28E	7/22/2015	165.2	1.3	617.7	NS	WFMP D Shale
Hoss 2-11 W2BO Federal Com 1H	Mewbourne	3001544153	2BO/25S/28E	11/7/2017	55	0.4	244.5	NS	WFMP D Shale
Graham Cracker State 2H	COG	3001542282	2PA/26S/28E	Pending				NS	WFMP D Shale

EXHIBIT

10

Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: Oxbow 23/24 WILI Fed Com 2H
KOP 9286.04
SL: 2200 FSL & 205 FWL Sec 23-25S-28E
BHL: 2200 FSL & 330 FEL Sec 24-25S-28E

Target KBTVD: 9,859 Feet 9859.00
Target Angle: 89.02 Degrees 89.02
Section Plane: 89.90 Degrees
Declination Corrected to True North: 6.63 Degrees
Bit to Survey Offset: 44 Feet

Survey No.	Measured Depth-ft	Drift (Deg.)	Azimuth (Deg.)	Course Length	TVD (Feet)	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KBTVD	+Above -Below Target	DRIFT RADIANS	AZIMUTH (RADIANS)
T/I	9286.04	0.00	89.90	N/A	9286.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	9286.0	573.0	1E-12	1.57 #VALUE!
1	9375.06	8.90	89.90	89.019	9374.7	6.9	0.0	6.9	89.9	10.0	10.0	10.0	9374.6	484.4	0.15537	1.57 0.155367
2	9464.08	17.80	89.90	89.019	9461.2	27.4	0.0	27.4	89.9	10.0	10.0	10.0	9460.8	398.2	0.31073	1.57 0.155367
3	9553.10	26.71	89.90	89.019	9543.5	61.1	0.1	61.1	89.9	10.0	10.0	10.0	9542.5	316.5	0.4661	1.57 0.155367
4	9642.12	35.61	89.90	89.019	9619.6	107.1	0.2	107.1	89.9	10.0	10.0	10.0	9617.8	241.2	0.62147	1.57 0.155367
5	9731.14	44.51	89.90	89.019	9687.7	164.4	0.3	164.4	89.9	10.0	10.0	10.0	9684.9	174.1	0.77684	1.57 0.155367
6	9820.16	53.41	89.90	89.019	9746.1	231.4	0.4	231.4	89.9	10.0	10.0	10.0	9742.1	116.9	0.9322	1.57 0.155367
7	9909.17	62.31	89.90	89.019	9793.4	306.7	0.5	306.7	89.9	10.0	10.0	10.0	9788.1	70.9	1.08757	1.57 0.155367
8	9998.19	71.22	89.90	89.019	9828.5	388.5	0.7	388.5	89.9	10.0	10.0	10.0	9821.8	37.2	1.24294	1.57 0.155367
9	10087.21	80.12	89.90	89.019	9850.5	474.6	0.8	474.6	89.9	10.0	10.0	10.0	9842.4	16.6	1.39831	1.57 0.155367
10	10176.23	89.02	89.90	89.019	9858.9	563.1	1.0	563.1	89.9	10.0	10.0	10.0	9849.3	9.7	1.55367	1.57 0.155367
11	10200.00	89.02	89.90	23.769	9859.3	586.9	1.0	586.9	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
12	10300.00	89.02	89.90	100	9861.0	686.9	1.2	686.9	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
13	10400.00	89.02	89.90	100	9862.7	786.9	1.3	786.9	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
14	10500.00	89.02	89.90	100	9864.5	886.9	1.5	886.9	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
15	10600.00	89.02	89.90	100	9866.2	986.9	1.7	986.9	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
16	10700.00	89.02	89.90	100	9867.9	1086.8	1.8	1086.8	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
17	10800.00	89.02	89.90	100	9869.6	1186.8	2.0	1186.8	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
18	10900.00	89.02	89.90	100	9871.3	1286.8	2.2	1286.8	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
19	11000.00	89.02	89.90	100	9873.0	1386.8	2.4	1386.8	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
20	11100.00	89.02	89.90	100	9874.7	1486.8	2.5	1486.8	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
21	11200.00	89.02	89.90	100	9876.4	1586.8	2.7	1586.8	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
22	11300.00	89.02	89.90	100	9878.2	1686.8	2.9	1686.7	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
23	11400.00	89.02	89.90	100	9879.9	1786.7	3.0	1786.7	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
24	11500.00	89.02	89.90	100	9881.6	1886.7	3.2	1886.7	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
25	11600.00	89.02	89.90	100	9883.3	1986.7	3.4	1986.7	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
26	11700.00	89.02	89.90	100	9885.0	2086.7	3.5	2086.7	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
27	11800.00	89.02	89.90	100	9886.7	2186.7	3.7	2186.7	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
28	11900.00	89.02	89.90	100	9888.4	2286.7	3.9	2286.7	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
29	12000.00	89.02	89.90	100	9890.1	2386.6	4.0	2386.6	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
30	12100.00	89.02	89.90	100	9891.9	2486.6	4.2	2486.6	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
31	12200.00	89.02	89.90	100	9893.6	2586.6	4.4	2586.6	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
32	12300.00	89.02	89.90	100	9895.3	2686.6	4.6	2686.6	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
33	12400.00	89.02	89.90	100	9897.0	2786.6	4.7	2786.6	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
34	12500.00	89.02	89.90	100	9898.7	2886.6	4.9	2886.6	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
35	12600.00	89.02	89.90	100	9900.4	2986.6	5.1	2986.6	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
36	12700.00	89.02	89.90	100	9902.1	3086.5	5.2	3086.5	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
37	12800.00	89.02	89.90	100	9903.8	3186.5	5.4	3186.5	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
38	12900.00	89.02	89.90	100	9905.6	3286.5	5.6	3286.5	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
39	13000.00	89.02	89.90	100	9907.3	3386.5	5.7	3386.5	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
40	13100.00	89.02	89.90	100	9909.0	3486.5	5.9	3486.5	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
41	13200.00	89.02	89.90	100	9910.7	3586.5	6.1	3586.5	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
42	13300.00	89.02	89.90	100	9912.4	3686.5	6.2	3686.5	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
43	13400.00	89.02	89.90	100	9914.1	3786.4	6.4	3786.4	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
44	13500.00	89.02	89.90	100	9915.8	3886.4	6.6	3886.4	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
45	13600.00	89.02	89.90	100	9917.5	3986.4	6.8	3986.4	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
46	13700.00	89.02	89.90	100	9919.3	4086.4	6.9	4086.4	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
47	13800.00	89.02	89.90	100	9921.0	4186.4	7.1	4186.4	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
48	13900.00	89.02	89.90	100	9922.7	4286.4	7.3	4286.4	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10
49	14000.00	89.02	89.90	100	9924.4	4386.4	7.4	4386.3	89.9	0.0	0.0	0.0	9849.3	9.7	1.55367	1.57 1E-10

EXHIBIT //

50	14100.00	89.02	89.90	100	9926.1	4486.3	7.6	4486.3	4486.3	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
51	14200.00	89.02	89.90	100	9927.8	4586.3	7.8	4586.3	4586.3	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
52	14300.00	89.02	89.90	100	9929.5	4686.3	7.9	4686.3	4686.3	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
53	14400.00	89.02	89.90	100	9931.2	4786.3	8.1	4786.3	4786.3	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
54	14500.00	89.02	89.90	100	9933.0	4886.3	8.3	4886.3	4886.3	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
55	14600.00	89.02	89.90	100	9934.7	4986.3	8.4	4986.3	4986.3	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
56	14700.00	89.02	89.90	100	9936.4	5086.3	8.6	5086.2	5086.3	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
57	14800.00	89.02	89.90	100	9938.1	5186.2	8.8	5186.2	5186.2	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
58	14900.00	89.02	89.90	100	9939.8	5286.2	9.0	5286.2	5286.2	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
59	15000.00	89.02	89.90	100	9941.5	5386.2	9.1	5386.2	5386.2	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
60	15100.00	89.02	89.90	100	9943.2	5486.2	9.3	5486.2	5486.2	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
61	15200.00	89.02	89.90	100	9944.9	5586.2	9.5	5586.2	5586.2	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
62	15300.00	89.02	89.90	100	9946.7	5686.2	9.6	5686.2	5686.2	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
63	15400.00	89.02	89.90	100	9948.4	5786.2	9.8	5786.1	5786.2	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
64	15500.00	89.02	89.90	100	9950.1	5886.1	10.0	5886.1	5886.1	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
65	15600.00	89.02	89.90	100	9951.8	5986.1	10.1	5986.1	5986.1	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
66	15700.00	89.02	89.90	100	9953.5	6086.1	10.3	6086.1	6086.1	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
67	15800.00	89.02	89.90	100	9955.2	6186.1	10.5	6186.1	6186.1	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
68	15900.00	89.02	89.90	100	9956.9	6286.1	10.7	6286.1	6286.1	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
69	16000.00	89.02	89.90	100	9958.6	6386.1	10.8	6386.1	6386.1	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
70	16100.00	89.02	89.90	100	9960.3	6486.0	11.0	6486.0	6486.0	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
71	16200.00	89.02	89.90	100	9962.1	6586.0	11.2	6586.0	6586.0	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
72	16300.00	89.02	89.90	100	9963.8	6686.0	11.3	6686.0	6686.0	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
73	16400.00	89.02	89.90	100	9965.5	6786.0	11.5	6786.0	6786.0	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
74	16500.00	89.02	89.90	100	9967.2	6886.0	11.7	6886.0	6886.0	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
75	16600.00	89.02	89.90	100	9968.9	6986.0	11.8	6986.0	6986.0	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
76	16700.00	89.02	89.90	100	9970.6	7086.0	12.0	7086.0	7086.0	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
77	16800.00	89.02	89.90	100	9972.3	7185.9	12.2	7185.9	7185.9	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
78	16900.00	89.02	89.90	100	9974.0	7285.9	12.3	7285.9	7285.9	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
79	17000.00	89.02	89.90	100	9975.8	7385.9	12.5	7385.9	7385.9	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
80	17100.00	89.02	89.90	100	9977.5	7485.9	12.7	7485.9	7485.9	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
81	17200.00	89.02	89.90	100	9979.2	7585.9	12.9	7585.9	7585.9	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
82	17300.00	89.02	89.90	100	9980.9	7685.9	13.0	7685.9	7685.9	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
83	17400.00	89.02	89.90	100	9982.6	7785.9	13.2	7785.8	7785.9	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
84	17500.00	89.02	89.90	100	9984.3	7885.8	13.4	7885.8	7885.8	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
85	17600.00	89.02	89.90	100	9986.0	7985.8	13.5	7985.8	7985.8	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
86	17700.00	89.02	89.90	100	9987.7	8085.8	13.7	8085.8	8085.8	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
87	17800.00	89.02	89.90	100	9989.5	8185.8	13.9	8185.8	8185.8	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
88	17900.00	89.02	89.90	100	9991.2	8285.8	14.0	8285.8	8285.8	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
89	18000.00	89.02	89.90	100	9992.9	8385.8	14.2	8385.8	8385.8	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
90	18100.00	89.02	89.90	100	9994.6	8485.8	14.4	8485.7	8485.8	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
91	18200.00	89.02	89.90	100	9996.3	8585.7	14.5	8585.7	8585.7	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
92	18300.00	89.02	89.90	100	9998.0	8685.7	14.7	8685.7	8685.7	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
93	18400.00	89.02	89.90	100	9999.7	8785.7	14.9	8785.7	8785.7	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
94	18500.00	89.02	89.90	100	10001.4	8885.7	15.1	8885.7	8885.7	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
95	18600.00	89.02	89.90	100	10003.2	8985.7	15.2	8985.7	8985.7	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
96	18700.00	89.02	89.90	100	10004.9	9085.7	15.4	9085.7	9085.7	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
97	18800.00	89.02	89.90	100	10006.6	9185.7	15.6	9185.6	9185.7	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
98	18900.00	89.02	89.90	100	10008.3	9285.6	15.7	9285.6	9285.6	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
99	19000.00	89.02	89.90	100	10010.0	9385.6	15.9	9385.6	9385.6	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
100	19100.00	89.02	89.90	100	10011.7	9485.6	16.1	9485.6	9485.6	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
101	19200.00	89.02	89.90	100	10013.4	9585.6	16.2	9585.6	9585.6	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
102	19300.00	89.02	89.90	100	10015.1	9685.6	16.4	9685.6	9685.6	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
103	19400.00	89.02	89.90	100	10016.9	9785.6	16.6	9785.5	9785.6	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
104	19500.00	89.02	89.90	100	10018.6	9885.5	16.8	9885.5	9885.5	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
105	19600.00	89.02	89.90	100	10020.3	9985.5	16.9	9985.5	9985.5	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
106	19700.00	89.02	89.90	100	10022.0	10085.5	17.1	#####	10085.5	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10
107	19703.90	89.02	89.90	3.8984	10022.1	10089.4	17.1	#####	10089.4	89.9	0.0	0.0	9849.3	9.7	1.55367	1.57	1E-10

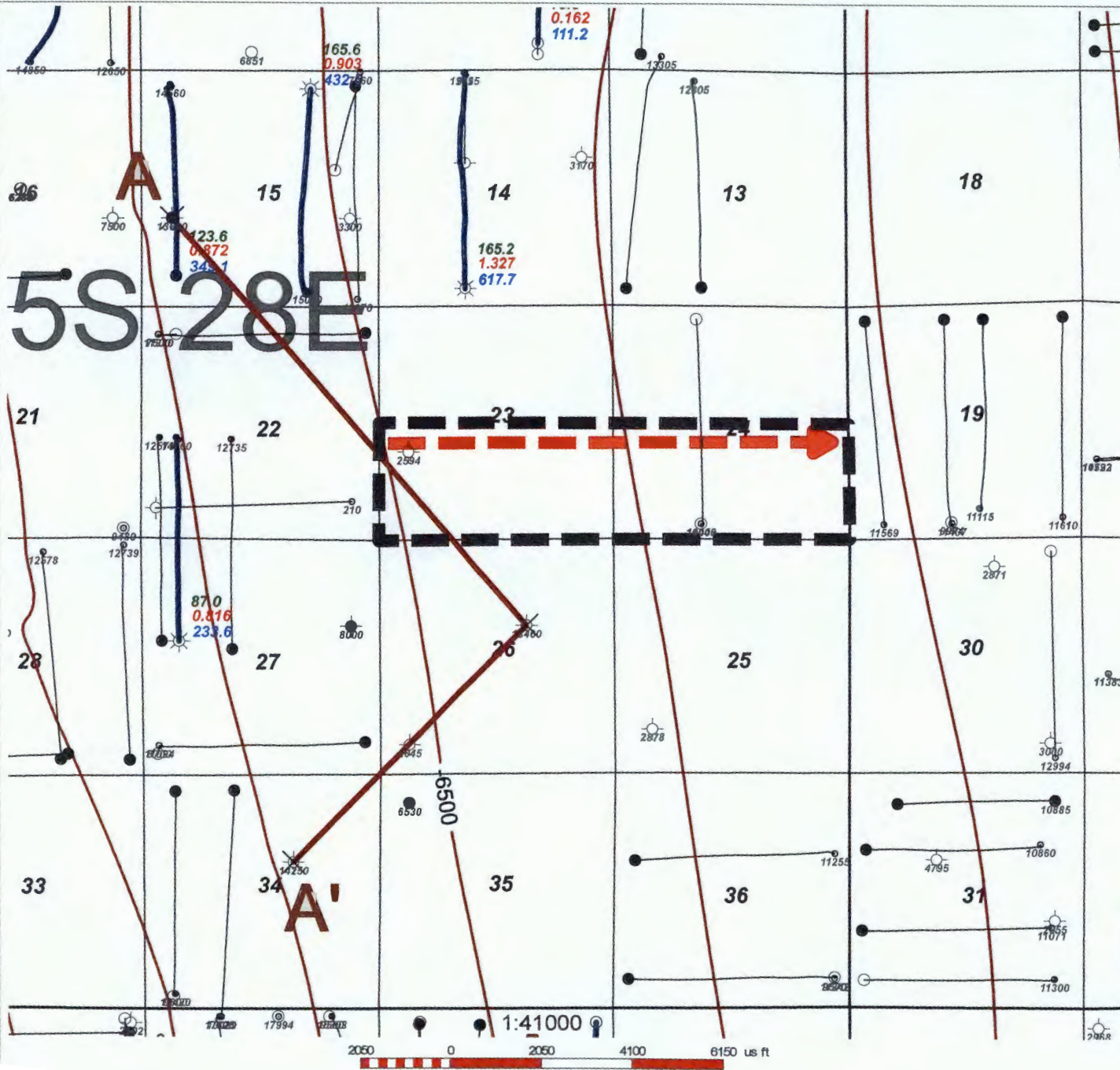


EXHIBIT 12



Oil Cum (MBO)
Gas Cum (BCF)
Water Cum (MBO)

Mewbourne Oil Company

Oxbow 23/24 W2LI Federal Com 1H
Horizontal Activity Map
Structure Top of WFMP (C.I. 100')

2/15/17	Eddy County	New Mexico
Geol: C. Crowley		

A
N

30015230670000
AMOCO PROD CO
STATE GGGCOM 1
Datum: 2011.00
1980 FSL/660 FWL
TWP: 25 S - Range: 28 E - Sec. 15

12228 R

30015243640000
POGO PRODUCING CO
SAM FEDERAL 2
Datum: 2055.00
1980 FNL/1980 FEL
TWP: 25 S - Range: 28 E - Sec. 25

7550 R

30015358900000
MARBOB ENERGY CORP
GRAHAM CRACKER STAT 1
Datum: 2037.00
1980 FNL/1980 FEL
TWP: 16 S - Range: 29 E - Sec. 35

A'
S

15L

26G

34G

0 WFMP

WFMP SDs

WFMP A

WFMP B

-500

WFMP C

WFMP D

-1000

0

-500

-1000

5S-28E

TD=13460.00

TD=14250.00
Cum Oil All Zones: 63 bbls
Cum Gas All Zones: 146352 MCF
Cum Water All Zones: 3278 bbls

Oxbow 23/24 W2LI Federal Com 1H
Cross Section Exhibit (A-A')

EXHIBIT
13

Oxbow Area Wolfcamp Production Table

Well Name	Operator	API	Location	WFMP Comp Date	Cum Oil (Mbo)	Cum Gas (BCF)	Cum Water (Mbw)	NS/EW	WFMP Zone
San Lorenzo 15 DM Fee Com 1H	Mewbourne	3001540402	15DM/25S/28E	12/6/2012	123.6	0.8	349.1	NS	WFMP D Shale
San Lorenzo 15 OB Fee 1H	Mewbourne	3001540403	15OB/25S/28E	1/4/2014	165.6	0.9	432.5	NS	WFMP D Shale
San Lorenzo 22-27 LE Fee 2H	Mewbourne	3001541153	22LE/25S/28E	8/21/2013	87	0.8	233.6	NS	WFMP D Shale
San Lorenzo 9 OB Fee 1H	Mewbourne	3001541304	9OB/25S/28E	4/24/2014	181.5	1.3	506.3	NS	WFMP D Shale
Riverbend 14 Federal Com 2H	Cimarex	3001541589	14CN/25S/28E	7/22/2015	165.2	1.3	617.7	NS	WFMP D Shale
Hoss 2-11 W2BO Federal Com 1H	Mewbourne	3001544153	2BO/25S/28E	11/7/2017	55	0.4	244.5	NS	WFMP D Shale
Graham Cracker State 2H	COG	3001542282	2PA/26S/28E	Pending				NS	WFMP D Shale

EXHIBIT
14

EXHIBIT

15

Mewbourne Oil Company

SURVEY CALCULATION REPORT
Minimum Curvature CalculationsOperator: Mewbourne Oil Company
Lease Name: xbow 23/24 W2LI Fed Com 1
KOP 10124.04SL: 660 FNL & 205 FWL Sec 23-25S-28E
BHL: 330 FNL & 330 FEL Sec 24-25S-28ETarget KBTVD: 10,697 Feet 10697.00
Target Angle: 88.89 Degrees 88.89
Section Plane: 89.62 Degrees
Declination Corrected to True North: 6.63 Degrees
Bit to Survey Offset: 44 Feet

Survey No.	Measured Depth-ft	Drift (Deg.)	Azimuth (Deg.)	Course Length	TVD (Feet)	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KRTVD	+Above -Below Target	DRIFT (RADIANS)	AZIMUTH (RADIANS)
T/1	10124.04	0.00	89.62	N/A	10124.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	10124.0	573.0	1E-12	1.56 #VALUE!
1	10212.93	8.89	89.62	88.886	10212.6	6.9	0.0	6.9	6.9	89.6	10.0	10.0	10212.4	484.6	0.15513621	1.56 0.1551362
2	10301.82	17.78	89.62	88.886	10299.0	27.4	0.2	27.4	27.4	89.6	10.0	10.0	10298.4	398.6	0.31027241	1.56 0.1551362
3	10390.70	26.67	89.62	88.886	10381.2	60.9	0.4	60.9	60.9	89.6	10.0	10.0	10380.0	317.0	0.46540862	1.56 0.1551362
4	10479.59	35.55	89.62	88.886	10457.2	106.8	0.7	106.8	106.8	89.6	10.0	10.0	10455.1	241.9	0.62054482	1.56 0.1551362
5	10568.47	44.44	89.62	88.886	10525.2	163.9	1.1	163.9	163.9	89.6	10.0	10.0	10522.0	175.0	0.77568103	1.56 0.1551362
6	10657.36	53.33	89.62	88.886	10583.6	230.8	1.5	230.8	230.8	89.6	10.0	10.0	10579.1	117.9	0.93081723	1.56 0.1551362
7	10746.25	62.22	89.62	88.886	10631.0	305.9	2.0	305.9	305.9	89.6	10.0	10.0	10625.0	72.0	1.08595344	1.56 0.1551362
8	10835.13	71.11	89.62	88.886	10666.1	387.5	2.6	387.4	387.5	89.6	10.0	10.0	10658.6	38.4	1.24108964	1.56 0.1551362
9	10924.02	80.00	89.62	88.886	10688.3	473.4	3.2	473.4	473.4	89.6	10.0	10.0	10679.1	17.9	1.39622585	1.56 0.1551362
10	11012.91	88.89	89.62	88.886	10696.9	561.8	3.7	561.8	561.8	89.6	10.0	10.0	10686.0	11.0	1.55136205	1.56 0.1551362
11	11100.00	88.89	89.62	87.093	10698.6	648.9	4.3	648.9	648.9	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
12	11200.00	88.89	89.62	100	10700.5	748.9	5.0	748.9	748.9	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
13	11300.00	88.89	89.62	100	10702.5	848.9	5.7	848.8	848.9	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
14	11400.00	88.89	89.62	100	10704.4	948.8	6.3	948.8	948.8	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
15	11500.00	88.89	89.62	100	10706.4	1048.8	7.0	1048.8	1048.8	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
16	11600.00	88.89	89.62	100	10708.3	1148.8	7.7	1148.8	1148.8	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
17	11700.00	88.89	89.62	100	10710.2	1248.8	8.3	1248.8	1248.8	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
18	11800.00	88.89	89.62	100	10712.2	1348.8	9.0	1348.7	1348.8	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
19	11900.00	88.89	89.62	100	10714.1	1448.7	9.7	1448.7	1448.7	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
20	12000.00	88.89	89.62	100	10716.1	1548.7	10.3	1548.7	1548.7	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
21	12100.00	88.89	89.62	100	10718.0	1648.7	11.0	1648.7	1648.7	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
22	12200.00	88.89	89.62	100	10720.0	1748.7	11.7	1748.7	1748.7	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
23	12300.00	88.89	89.62	100	10721.9	1848.7	12.3	1848.6	1848.7	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
24	12400.00	88.89	89.62	100	10723.8	1948.7	13.0	1948.6	1948.7	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
25	12500.00	88.89	89.62	100	10725.8	2048.6	13.7	2048.6	2048.6	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
26	12600.00	88.89	89.62	100	10727.7	2148.6	14.3	2148.6	2148.6	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
27	12700.00	88.89	89.62	100	10729.7	2248.6	15.0	2248.5	2248.6	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
28	12800.00	88.89	89.62	100	10731.6	2348.6	15.7	2348.5	2348.6	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
29	12900.00	88.89	89.62	100	10733.6	2448.6	16.3	2448.5	2448.6	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
30	13000.00	88.89	89.62	100	10735.5	2548.5	17.0	2548.5	2548.5	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
31	13100.00	88.89	89.62	100	10737.5	2648.5	17.7	2648.5	2648.5	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
32	13200.00	88.89	89.62	100	10739.4	2748.5	18.3	2748.4	2748.5	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
33	13300.00	88.89	89.62	100	10741.3	2848.5	19.0	2848.4	2848.5	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
34	13400.00	88.89	89.62	100	10743.3	2948.5	19.7	2948.4	2948.5	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
35	13500.00	88.89	89.62	100	10745.2	3048.4	20.3	3048.4	3048.4	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
36	13600.00	88.89	89.62	100	10747.2	3148.4	21.0	3148.4	3148.4	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
37	13700.00	88.89	89.62	100	10749.1	3248.4	21.7	3248.3	3248.4	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
38	13800.00	88.89	89.62	100	10751.1	3348.4	22.3	3348.3	3348.4	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
39	13900.00	88.89	89.62	100	10753.0	3448.4	23.0	3448.3	3448.4	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
40	14000.00	88.89	89.62	100	10754.9	3548.4	23.7	3548.3	3548.4	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
41	14100.00	88.89	89.62	100	10756.9	3648.3	24.3	3648.3	3648.3	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
42	14200.00	88.89	89.62	100	10758.8	3748.3	25.0	3748.2	3748.3	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
43	14300.00	88.89	89.62	100	10760.8	3848.3	25.7	3848.2	3848.3	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
44	14400.00	88.89	89.62	100	10762.7	3948.3	26.3	3948.2	3948.3	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
45	14500.00	88.89	89.62	100	10764.7	4048.3	27.0	4048.2	4048.3	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
46	14600.00	88.89	89.62	100	10766.6	4148.2	27.7	4148.1	4148.2	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
47	14700.00	88.89	89.62	100	10768.5	4248.2	28.3	4248.1	4248.2	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
48	14800.00	88.89	89.62	100	10770.5	4348.2	29.0	4348.1	4348.2	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
49	14900.00	88.89	89.62	100	10772.4	4448.2	29.7	4448.1	4448.2	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
50	15000.00	88.89	89.62	100	10774.4	4548.2	30.3	4548.1	4548.2	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
51	15100.00	88.89	89.62	100	10776.3	4648.1	31.0	4648.0	4648.1	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
52	15200.00	88.89	89.62	100	10778.3	4748.1	31.7	4748.0	4748.1	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
53	15300.00	88.89	89.62	100	10780.2	4848.1	32.3	4848.0	4848.1	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
54	15400.00	88.89	89.62	100	10782.1	4948.1	33.0	4948.0	4948.1	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
55	15500.00	88.89	89.62	100	10784.1	5048.1	33.7	5048.0	5048.1	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10
56	15600.00	88.89	89.62	100	10786.0	5148.1	34.3	5147.9	5148.1	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56 1E-10

57	15700.00	88.89	89.62	100	10788.0	5248.0	35.0	5247.9	5248.0	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
58	15800.00	88.89	89.62	100	10789.9	5348.0	35.7	5347.9	5348.0	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
59	15900.00	88.89	89.62	100	10791.9	5448.0	36.3	5447.9	5448.0	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
60	16000.00	88.89	89.62	100	10793.8	5548.0	37.0	5547.9	5548.0	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
61	16100.00	88.89	89.62	100	10795.7	5648.0	37.7	5647.8	5648.0	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
62	16200.00	88.89	89.62	100	10797.7	5747.9	38.3	5747.8	5747.9	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
63	16300.00	88.89	89.62	100	10799.6	5847.9	39.0	5847.8	5847.9	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
64	16400.00	88.89	89.62	100	10801.6	5947.9	39.7	5947.8	5947.9	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
65	16500.00	88.89	89.62	100	10803.5	6047.9	40.3	6047.7	6047.9	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
66	16600.00	88.89	89.62	100	10805.5	6147.9	41.0	6147.7	6147.9	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
67	16700.00	88.89	89.62	100	10807.4	6247.8	41.7	6247.7	6247.8	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
68	16800.00	88.89	89.62	100	10809.4	6347.8	42.3	6347.7	6347.8	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
69	16900.00	88.89	89.62	100	10811.3	6447.8	43.0	6447.7	6447.8	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
70	17000.00	88.89	89.62	100	10813.2	6547.8	43.7	6547.6	6547.8	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
71	17100.00	88.89	89.62	100	10815.2	6647.8	44.3	6647.6	6647.8	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
72	17200.00	88.89	89.62	100	10817.1	6747.7	45.0	6747.6	6747.7	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
73	17300.00	88.89	89.62	100	10819.1	6847.7	45.7	6847.6	6847.7	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
74	17400.00	88.89	89.62	100	10821.0	6947.7	46.3	6947.6	6947.7	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
75	17500.00	88.89	89.62	100	10823.0	7047.7	47.0	7047.5	7047.7	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
76	17600.00	88.89	89.62	100	10824.9	7147.7	47.7	7147.5	7147.7	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
77	17700.00	88.89	89.62	100	10826.8	7247.7	48.3	7247.5	7247.7	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
78	17800.00	88.89	89.62	100	10828.8	7347.6	49.0	7347.5	7347.6	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
79	17900.00	88.89	89.62	100	10830.7	7447.6	49.7	7447.5	7447.6	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
80	18000.00	88.89	89.62	100	10832.7	7547.6	50.3	7547.4	7547.6	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
81	18100.00	88.89	89.62	100	10834.6	7647.6	51.0	7647.4	7647.6	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
82	18200.00	88.89	89.62	100	10836.6	7747.6	51.7	7747.4	7747.6	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
83	18300.00	88.89	89.62	100	10838.5	7847.5	52.3	7847.4	7847.5	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
84	18400.00	88.89	89.62	100	10840.4	7947.5	53.0	7947.3	7947.5	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
85	18500.00	88.89	89.62	100	10842.4	8047.5	53.7	8047.3	8047.5	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
86	18600.00	88.89	89.62	100	10844.3	8147.5	54.3	8147.3	8147.5	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
87	18700.00	88.89	89.62	100	10846.3	8247.5	55.0	8247.3	8247.5	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
88	18800.00	88.89	89.62	100	10848.2	8347.4	55.7	8347.3	8347.4	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
89	18900.00	88.89	89.62	100	10850.2	8447.4	56.3	8447.2	8447.4	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
90	19000.00	88.89	89.62	100	10852.1	8547.4	57.0	8547.2	8547.4	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
91	19100.00	88.89	89.62	100	10854.0	8647.4	57.7	8647.2	8647.4	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
92	19200.00	88.89	89.62	100	10856.0	8747.4	58.3	8747.2	8747.4	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
93	19300.00	88.89	89.62	100	10857.9	8847.4	59.0	8847.2	8847.4	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
94	19400.00	88.89	89.62	100	10859.9	8947.3	59.7	8947.1	8947.3	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
95	19500.00	88.89	89.62	100	10861.8	9047.3	60.3	9047.1	9047.3	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
96	19600.00	88.89	89.62	100	10863.8	9147.3	61.0	9147.1	9147.3	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
97	19700.00	88.89	89.62	100	10865.7	9247.3	61.7	9247.1	9247.3	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
98	19800.00	88.89	89.62	100	10867.7	9347.3	62.3	9347.0	9347.3	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
99	19900.00	88.89	89.62	100	10869.6	9447.2	63.0	9447.0	9447.2	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
100	20000.00	88.89	89.62	100	10871.5	9547.2	63.7	9547.0	9547.2	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
101	20100.00	88.89	89.62	100	10873.5	9647.2	64.3	9647.0	9647.2	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
102	20200.00	88.89	89.62	100	10875.4	9747.2	65.0	9747.0	9747.2	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
103	20300.00	88.89	89.62	100	10877.4	9847.2	65.7	9846.9	9847.2	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
104	20400.00	88.89	89.62	100	10879.3	9947.1	66.3	9946.9	9947.1	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
105	20500.00	88.89	89.62	100	10881.3	10047.1	67.0	10046.9	10047.1	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
106	20542.11	88.89	89.62	42.108	10882.1	10089.2	67.3	10089.0	10089.2	89.6	0.0	0.0	10686.0	11.0	1.55136205	1.56	1E-10
107	20542.11	88.89	89.62	0	10882.1	10089.2	67.3	0089.0	10089.2	89.6 #DIV/0!	#DIV/0!	#DIV/0!	10686.0	11.0	1.55136205	1.56	1E-10