

Submit 1 Copy To Appropriate District
Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-045-32974
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator McElvain Energy, Inc.		6. State Oil & Gas Lease No. 36832
3. Address of Operator 1050 17 th St, Suite 2500, Denver, CO 80265		7. Lease Name or Unit Agreement Name Kenji
4. Well Location Unit Letter <u>B</u> : <u>1,038</u> feet from the <u>North</u> line and <u>1,707</u> feet from the <u>East</u> line Section <u>17</u> Township <u>30N</u> Range <u>13W</u> NMPM County <u>San Juan</u>		8. Well Number <u>1</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5476' GR		9. OGRID Number <u>22044</u>
		10. Pool name or Wildcat Fruitland Coal

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: ☐		OTHER: Re-Entry ☒	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

10/29/2011 Continued Drilling 4 3/4" hole - frm 1098' to 1166'. Circulate @ 1100'.
10/30/2011 Drill Frm 1166' to 1168'. Clean Mud Tnks.
Rig released @ 6:00 10/30/2011

RCVD NOV 22 '11

OIL CONS. DIV.

DIST. 3

Spud Date: 03/20/2008

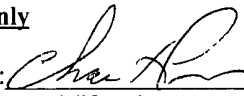
Rig Release Date: 10/30/2011

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE District Engineer DATE 11/22/2011

Type or print name Art Merrick E-mail address: ArtM@McElvain.com PHONE: 505-327-2679

For State Use Only

APPROVED BY:  TITLE DATE

Conditions of Approval (if any):

AV

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State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

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

WELL API NO. 30-045-32974	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No. 36832	
7. Lease Name or Unit Agreement Name Kenji	
8. Well Number 1	
9. OGRID Number 22044	
10. Pool name or Wildcat Fruitland Coal	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5476' GR	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
McElvain Energy, Inc.

3. Address of Operator
1050 17th St, Suite 2500, Denver, CO 80265

4. Well Location
Unit Letter B : 1,038 feet from the North line and 1,707 feet from the East line
Section 17 Township 30N Range 13W NMPM County San Juan

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: ☐		OTHER: Re-Entry ☒	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

11/3/2011 MIRU SU SICP 0.
11/4/2011 Swab. Ran 45 Jts 2 7/8" 6.4# J-55 Tubing . Landed @ 1553' SN @ 1518'-KB.
11/5-9/2011 Swab - Well test will be run and submitted at a future date.

RCVD NOV 22 '11

OIL CONS. DIV.

DIST. 3

Spud Date: 03/20/2008 Rig Release Date: 10/30/2011

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [Signature] TITLE District Engineer DATE 11/22/2011

Type or print name Art Merrick E-mail address: ArtM@McElvain.com PHONE: 505-327-2679

For State Use Only

APPROVED BY: [Signature] TITLE _____ DATE _____
Conditions of Approval (if any): AV

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
611 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Bravo Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3480 Fax: (505) 476-3482

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-32974		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 36851-36832	*Property Name KENJI		*Well Number 1
*OGRD No. 22044	*Operator Name McELVAIN ENERGY, INC.		*Elevation 5476'

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
B	17	30N	13W		1038'	NORTH	1707'	EAST	SAN JUAN

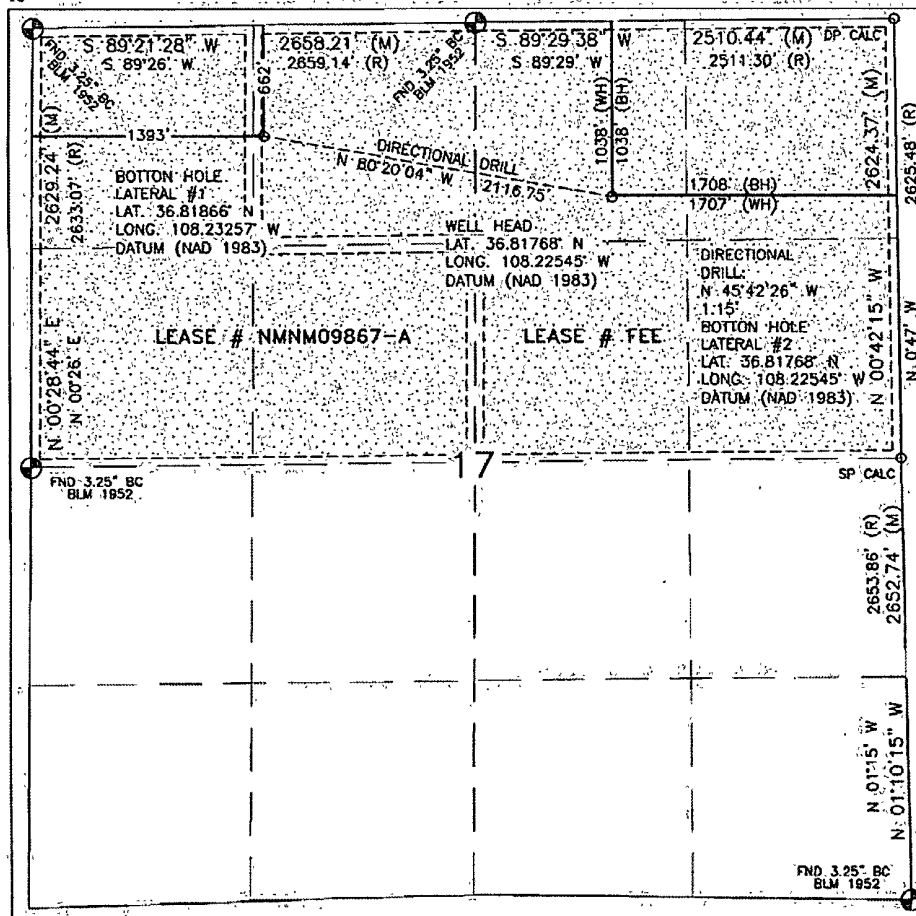
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	17	30N	13W		662'	NORTH	1393'	WEST	SAN JUAN
B	17	30N	13W		1038'	NORTH	1708'	EAST	SAN JUAN

*Dedicated Acres 320.00 Acres - (N/2)	*Joint or Infill	*Consolidation Code	*Order No.
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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.

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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 leased 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: *Art Merrick* Date: 11-22-11

Printed Name: Art Merrick

E-mail Address: artm@mcelvain.com

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.

NOVEMBER 10, 2011

Date of Survey

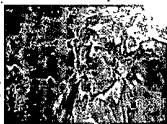
Signature and Seal of Professional Surveyor

David Russell

DAVID RUSSELL

Certificate Number 10201

RCVD NOV 22 '11
OIL CONS. DIV.
DIST. 3



McELVAIN Oil & Gas

San Juan Basin (NM West)

SEC 17-T30N-R13W

Kenji #1

Lateral #1

Design: As Drilled

RCVD NOV 22 '11

OIL CONS. DIV.

DIST. 3

Standard Survey Report

08 November, 2011

This survey is correct to the best of my knowledge and is supported by actual field data.

Notarized this date _____ of _____, 2011.

Notary Signature
County of Natrona
State of Wyoming





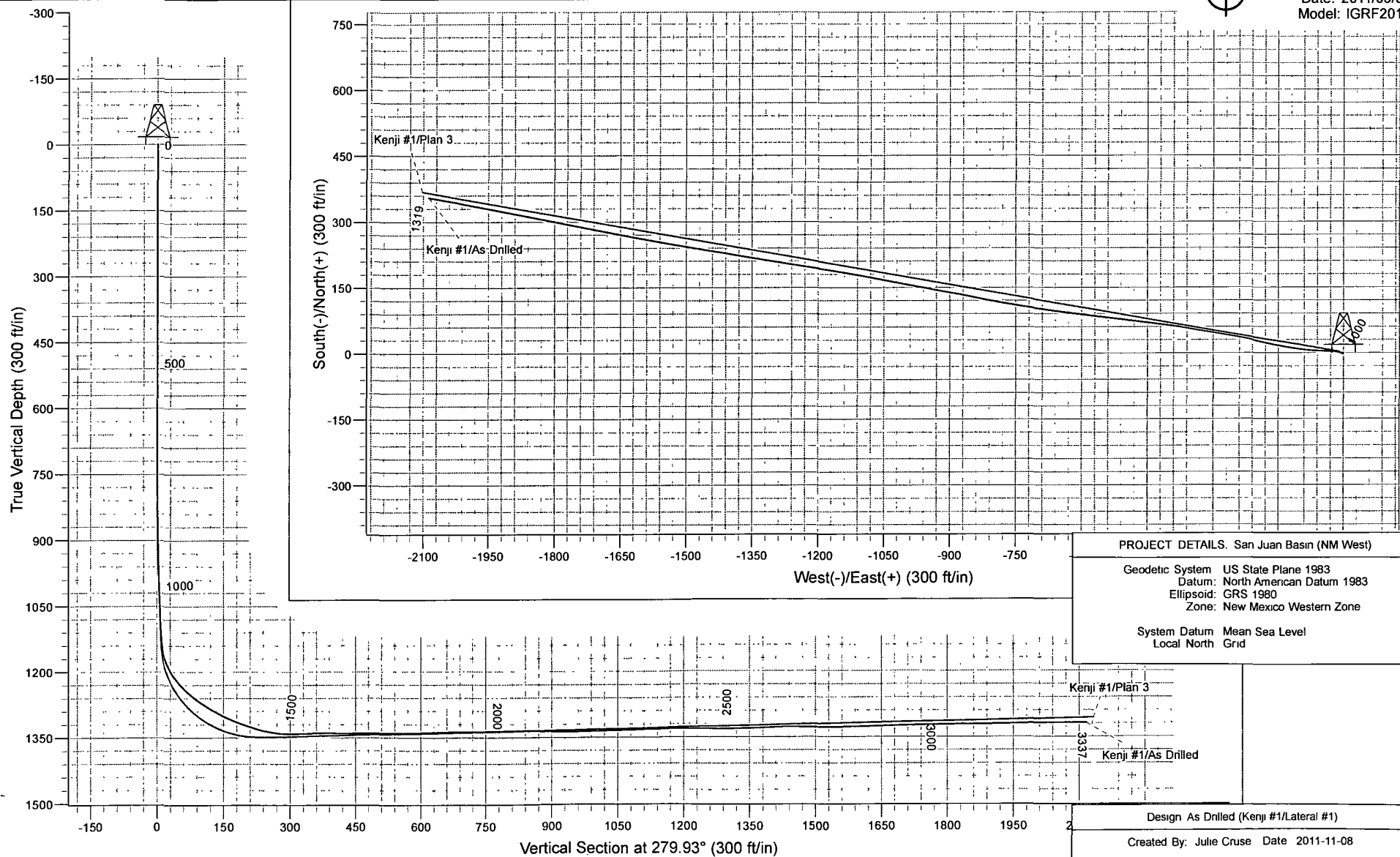
Project: San Juan Basin (NM West)
 Site: SEC 17-T30N-R13W
 Well: Kenji #1
 Wellbore: Lateral #1
 Design: As Drilled



WELL DETAILS: Kenji #1

DF @ 5489.00ft (12' DF + 5477' GL) 5477.00
 Northing Easting Latitude Longitude
 2117183.86 2608316.44 36° 49' 3.565 N 108° 13' 31.631 W

Azimuths to Grid North
 True North: 0.23°
 Magnetic North: 10.34°
 Magnetic Field
 Strength: 50724.5nT
 Dip Angle: 63.44°
 Date: 2011/06/08
 Model: IGRF2010



PROJECT DETAILS: San Juan Basin (NM West)

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Western Zone

System Datum: Mean Sea Level
 Local North: Grid



Scientific Drilling Survey Report



Company:	McELVAIN Oil & Gas	Local Co-ordinate Reference:	Well Kenji #1
Project:	San Juan Basin (NM West)	TVD Reference:	DF @ 5489.00ft (12' DF + 5477' GL)
Site:	SEC 17-T30N-R13W	MD Reference:	DF @ 5489.00ft (12' DF + 5477' GL)
Well:	Kenji #1	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Rockies Compass Server

Project	San Juan Basin (NM West) San Juan County NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	New Mexico Western Zone		Using geodetic scale factor

Site	SEC 17-T30N-R13W		
Site Position:		Northing:	2,117,183.86 usft
From:	Lat/Long	Easting:	2,608,316.44 usft
Position Uncertainty:	15.00 ft	Slot Radius:	6.125 in
		Latitude:	36° 49' 3.565 N
		Longitude:	108° 13' 31.631 W
		Grid Convergence:	-0.24 °

Well	Kenji #1 FC Re-entry		
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	3.50 ft	Wellhead Elevation:	ft
		Latitude:	36° 49' 3.565 N
		Longitude:	108° 13' 31.631 W
		Ground Level:	5,477.00 ft

Wellbore	Lateral #1		
Magnetics	Model Name	Sample Date	Declination
	IGRF2010	2011/06/08	(°)
			Dip Angle
			(°)
			Field Strength
			(nT)
			50,725

Design	As Drilled		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	1,085.35
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
			Direction
			(°)
			279.93

Survey Program	Date 2011/11/08		
From	To	Survey (Wellbore)	Tool Name
(ft)	(ft)		Description
85.35	1,085.35	SDI Gyro (Original Hole)	WL Keeper Drillpipe 1.03
1,139.00	3,337.00	Survey #1 (Lateral #1)	MWD SDI
			Standard Wireline Keeper Drillpipe 1.03
			MWD - Standard ver 1.0.1

Survey	Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn
	Depth	(°)	(°)	Depth	(ft)	(ft)	Section	Rate	Rate	Rate
	(ft)			(ft)			(ft)	(°/100ft)	(°/100ft)	(°/100ft)
	1,085.35	2.07	303.10	1,085.23	0.89	-7.49	7.53	1.35	-0.96	24.88
TIP										
	1,139.00	5.98	288.70	1,138.74	2.31	-10.95	11.19	7.47	7.29	-26.84
First SDI MWD Survey										
	1,159.00	12.58	279.73	1,158.47	3.02	-14.09	14.40	33.68	33.00	-44.85
	1,187.00	24.74	271.13	1,184.95	3.65	-22.99	23.27	44.41	43.43	-30.71
	1,205.00	30.16	270.14	1,200.92	3.73	-31.28	31.46	30.22	30.11	-5.50
	1,236.00	41.59	272.56	1,226.00	4.21	-49.41	49.40	37.15	36.87	7.81
	1,267.00	47.74	275.15	1,248.04	5.71	-71.14	71.05	20.69	19.84	8.35



Scientific Drilling Survey Report



Company:	McELVAIN Oil & Gas	Local Co-ordinate Reference:	Well Kenji #1
Project:	San Juan Basin (NM West)	TVD Reference:	DF @ 5489.00ft (12' DF + 5477' GL)
Site:	SEC 17-T30N-R13W	MD Reference:	DF @ 5489.00ft (12' DF + 5477' GL)
Well:	Kenji #1	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Rockies Compass Server

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,299.00	54.22	277.81	1,268.17	8.54	-95.82	95.85	21.25	20.25	8.31
1,330.00	58.81	279.20	1,285.27	12.37	-121.38	121.69	15.27	14.81	4.48
1,362.00	62.62	280.71	1,300.92	17.20	-148.86	149.60	12.60	11.91	4.72
1,393.00	68.92	282.62	1,313.64	22.92	-176.53	177.84	21.08	20.32	6.16
1,425.00	69.85	283.21	1,324.91	29.62	-205.72	207.75	3.38	2.91	1.84
1,456.00	76.88	281.35	1,333.78	35.92	-234.73	237.41	23.39	22.68	-6.00
1,487.00	81.70	279.27	1,339.54	41.37	-264.69	267.85	16.89	15.55	-6.71
1,522.00	89.76	278.91	1,342.14	46.87	-299.12	302.72	23.05	23.03	-1.03
1,554.00	92.25	280.76	1,341.58	52.34	-330.64	334.72	9.69	7.78	5.78
1,585.00	92.25	279.42	1,340.36	57.77	-361.14	365.69	4.32	0.00	-4.32
1,616.00	88.69	278.23	1,340.11	62.52	-391.77	396.68	12.11	-11.48	-3.84
1,648.00	88.86	277.45	1,340.79	66.88	-423.46	428.65	2.49	0.53	-2.44
1,680.00	89.63	276.71	1,341.21	70.83	-455.21	460.61	3.34	2.41	-2.31
1,711.00	90.07	276.55	1,341.30	74.41	-486.00	491.55	1.51	1.42	-0.52
1,742.00	90.07	276.69	1,341.26	77.98	-516.80	522.50	0.45	0.00	0.45
1,774.00	91.31	277.54	1,340.87	81.94	-548.55	554.46	4.70	3.88	2.66
1,805.00	91.31	277.33	1,340.16	85.95	-579.28	585.42	0.68	0.00	-0.68
1,836.00	91.61	277.59	1,339.37	89.98	-610.01	616.38	1.28	0.97	0.84
1,867.00	91.11	277.45	1,338.64	94.03	-640.73	647.35	1.67	-1.61	-0.45
1,899.00	90.47	278.19	1,338.20	98.39	-672.43	679.32	3.06	-2.00	2.31
1,930.00	90.87	278.48	1,337.83	102.88	-703.10	710.31	1.59	1.29	0.94
1,961.00	91.18	277.64	1,337.28	107.23	-733.79	741.29	2.89	1.00	-2.71
1,992.00	90.64	281.23	1,336.79	112.31	-764.36	772.28	11.71	-1.74	11.58
2,026.00	90.84	281.13	1,336.35	118.90	-797.71	806.26	0.66	0.59	-0.29
2,057.00	90.94	281.02	1,335.87	124.85	-828.13	837.26	0.48	0.32	-0.35
2,089.00	89.02	281.34	1,335.88	131.06	-859.52	869.25	6.08	-6.00	1.00
2,120.00	87.88	280.17	1,336.72	136.84	-889.97	900.23	5.27	-3.68	-3.77
2,150.00	89.36	280.31	1,337.44	142.17	-919.48	930.22	4.96	4.93	0.47
2,182.00	91.01	281.04	1,337.34	148.10	-950.92	962.22	5.64	5.16	2.28
2,214.00	91.38	280.77	1,336.67	154.15	-982.34	994.20	1.43	1.16	-0.84
2,244.00	91.68	280.55	1,335.87	159.70	-1,011.81	1,024.19	1.24	1.00	-0.73
2,275.00	91.88	281.17	1,334.90	165.54	-1,042.24	1,055.17	2.10	0.65	2.00
2,307.00	91.95	280.76	1,333.84	171.62	-1,073.64	1,087.15	1.30	0.22	-1.28
2,338.00	92.52	280.96	1,332.63	177.46	-1,104.06	1,118.12	1.95	1.84	0.65
2,370.00	90.54	279.43	1,331.77	183.12	-1,135.54	1,150.11	7.82	-6.19	-4.78
2,401.00	89.66	279.20	1,331.72	188.14	-1,166.13	1,181.10	2.93	-2.84	-0.74
2,432.00	89.63	279.53	1,331.91	193.18	-1,196.72	1,212.10	1.07	-0.10	1.06
2,464.00	90.64	278.76	1,331.83	198.27	-1,228.31	1,244.10	3.97	3.16	-2.41
2,495.00	89.29	278.22	1,331.85	202.84	-1,258.97	1,275.09	4.69	-4.35	-1.74
2,526.00	89.73	279.44	1,332.12	207.60	-1,289.60	1,306.08	4.18	1.42	3.94
2,557.00	91.88	280.31	1,331.68	212.92	-1,320.14	1,337.08	7.48	6.94	2.81
2,589.00	92.62	279.69	1,330.43	218.47	-1,351.63	1,369.05	3.02	2.31	-1.94
2,620.00	92.25	279.26	1,329.11	223.57	-1,382.18	1,400.02	1.83	-1.19	-1.39



Scientific Drilling Survey Report



Company:	McELVAIN Oil & Gas	Local Co-ordinate Reference:	Well: Kenji #1
Project:	San Juan Basin (NM, West)	TVD Reference:	DF @ 5489.00ft (12' DF + 5477' GL)
Site:	SEC 17-T30N-R13W	MD Reference:	DF @ 5489.00ft (12' DF + 5477' GL)
Well:	Kenji #1	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Rockies Compass Server

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,652.00	91.11	279.17	1,328.17	228.69	-1,413.75	1,432.00	3.57	-3.56	-0.28
2,683.00	88.92	279.59	1,328.16	233.74	-1,444.33	1,463.00	7.19	-7.06	1.35
2,711.00	88.92	279.53	1,328.69	238.39	-1,471.94	1,491.00	0.21	0.00	-0.21
2,742.00	89.13	279.11	1,329.22	243.41	-1,502.53	1,521.99	1.51	0.68	-1.35
2,774.00	91.11	280.06	1,329.15	248.74	-1,534.08	1,553.99	6.86	6.19	2.97
2,805.00	91.78	280.04	1,328.37	254.15	-1,564.59	1,584.98	2.16	2.16	-0.06
2,837.00	91.95	280.98	1,327.33	259.98	-1,596.04	1,616.96	2.98	0.53	2.94
2,868.00	91.24	281.66	1,326.47	266.06	-1,626.42	1,647.94	3.17	-2.29	2.19
2,900.00	91.55	280.65	1,325.69	272.25	-1,657.81	1,679.92	3.30	0.97	-3.16
2,930.00	91.38	281.37	1,324.92	277.98	-1,687.25	1,709.90	2.47	-0.57	2.40
2,961.00	91.51	281.32	1,324.14	284.08	-1,717.63	1,740.88	0.45	0.42	-0.16
2,993.00	91.61	281.26	1,323.27	290.34	-1,749.00	1,772.86	0.36	0.31	-0.19
3,024.00	90.91	280.88	1,322.58	296.29	-1,779.41	1,803.85	2.57	-2.26	-1.23
3,055.00	90.37	281.29	1,322.24	302.25	-1,809.83	1,834.84	2.19	-1.74	1.32
3,086.00	90.30	281.03	1,322.06	308.25	-1,840.25	1,865.83	0.87	-0.23	-0.84
3,118.00	90.61	281.53	1,321.80	314.51	-1,871.63	1,897.82	1.84	0.97	1.56
3,149.00	90.77	280.88	1,321.43	320.53	-1,902.03	1,928.81	2.16	0.52	-2.10
3,181.00	91.41	281.56	1,320.82	326.76	-1,933.42	1,960.80	2.92	2.00	2.13
3,212.00	91.68	280.49	1,319.99	332.68	-1,963.83	1,991.78	3.56	0.87	-3.45
3,243.00	89.87	280.83	1,319.57	338.42	-1,994.29	2,022.78	5.94	-5.84	1.10
3,273.00	90.13	280.83	1,319.57	344.05	-2,023.76	2,052.77	0.87	0.87	0.00
3,296.00	90.17	280.05	1,319.51	348.22	-2,046.38	2,075.77	3.40	0.17	-3.39
Last SDI MWD Survey:									
3,337.00	90.17	280.05	1,319.38	355.38	-2,086.75	2,116.77	0.00	0.00	0.00
Projection to TD:									

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,085.35	1,085.23	0.89	-7.49	TIP
1,139.00	1,138.74	2.31	-10.95	First SDI MWD Survey
3,296.00	1,319.51	348.22	-2,046.38	Last SDI MWD Survey
3,337.00	1,319.38	355.38	-2,086.75	Projection to TD

Checked By: _____ Approved By: _____ Date: _____



McELVAIN Oil & Gas

San Juan Basin (NM West)

SEC 17-T30N-R13W

Kenji #1

Lateral #2

Design: As Drilled

Standard Survey Report

07 November, 2011

McElvain Oil & Gas Properties, Inc.





Project: San Juan Basin (NM West)
 Site: SEC 17-T30N-R13W
 Well: Kenji #1
 Wellbore: Lateral #2
 Design: As Drilled



REFERENCE INFORMATION

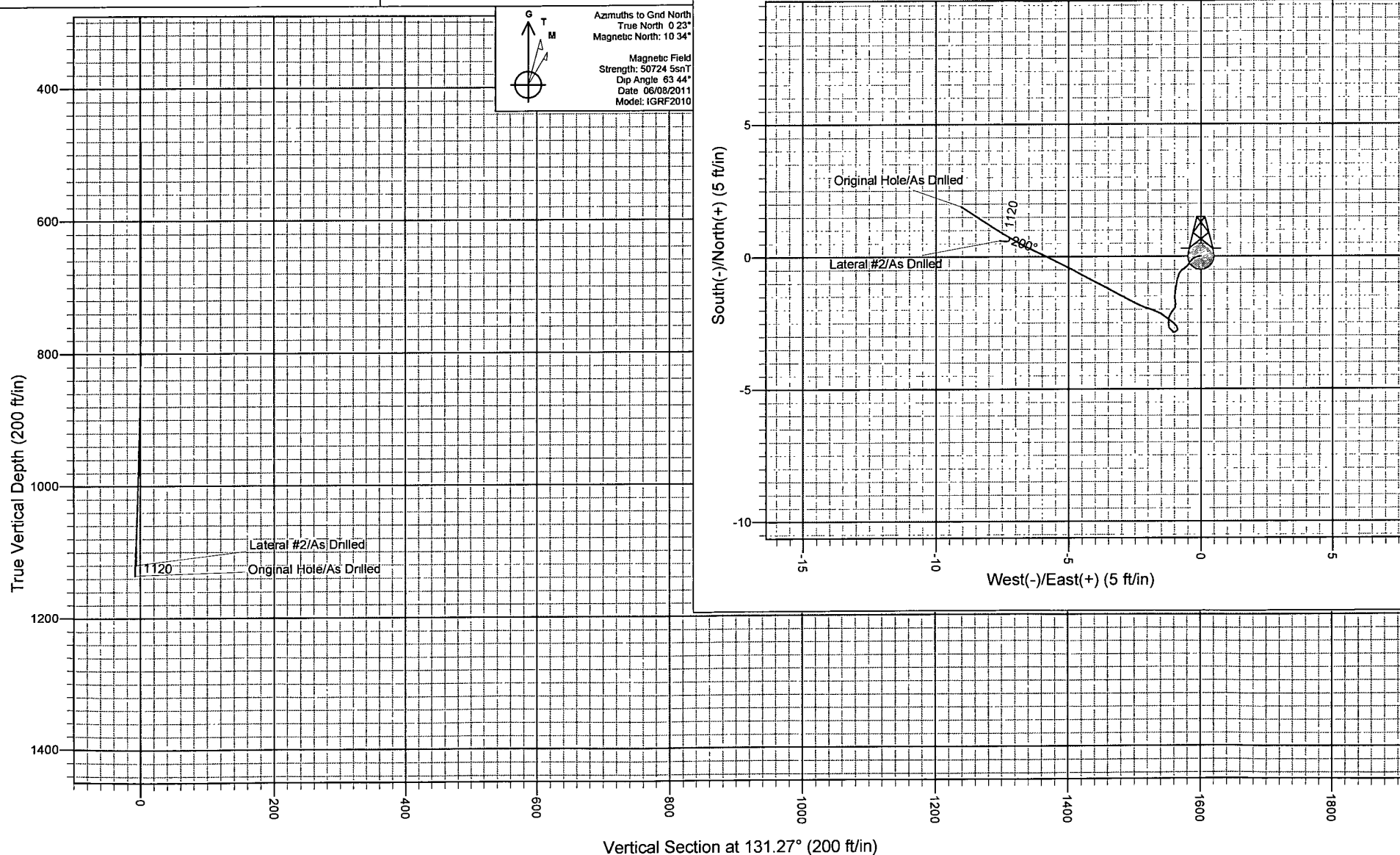
Co-ordinate (N/E) Reference: Well Kenji #1, Gnd North
 Vertical (TVD) Reference: DF @ 5489 0ft (12' DF + 5477' GL)
 Section (VS) Reference: Slot - (0 0N, 0 0E)
 Measured Depth Reference: DF @ 5489 0ft (12' DF + 5477' GL)
 Calculation Method: Minimum Curvature

PROJECT DETAILS

Geodetic System US State Plane 1983
 Datum North American Datum 1983
 Ellipsoid GRS 1980
 Zone New Mexico Western Zone
 System Datum Mean Sea Level

WELL DETAILS: Kenji #1

Ground Level: 5477.0
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.0 0.0 2117183.86 2608316.44 36° 49' 3.565 N 108° 13' 31.631 W



Company:	McELVAIN Oil & Gas	Local Co-ordinate Reference:	Well Kenji #1
Project:	San Juan Basin (NM West)	TVD Reference:	DF @ 5489.0ft (12' DF + 5477' GL)
Site:	SEC 17-T30N-R13W	MD Reference:	DF @ 5489.0ft (12' DF + 5477' GL)
Well:	Kenji #1	North Reference:	Grid
Wellbore:	Lateral #2	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDM 2003.21 Single User Db

Project	San Juan Basin (NM West) San Juan County NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	New Mexico Western Zone		Using geodetic scale factor

Site	SEC 17-T30N-R13W
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Site Position:		Northing:	2,117,183.86 ft	Latitude:	36° 49' 3.565 N
From:	Lat/Long	Easting:	2,608,316.44 ft	Longitude:	108° 13' 31.631 W
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	-0.24 °

Well	Kenji #1 FC Re-entry				
Well Position	+N/-S	0.0 ft	Northing:	2,117,183.86 ft	Latitude: 36° 49' 3.565 N
	+E/-W	0.0 ft	Easting:	2,608,316.44 ft	Longitude: 108° 13' 31.631 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level: 5,477.0 ft

Wellbore	Lateral #2
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/06/08	10.10	63.44	50,725

Design:	As Drilled
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Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	1,060.4

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	131.27

Survey Program		Date: 2011/11/07			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
85.4	1,060.4	SDI Gyro (Original Hole)	WL Keeper Drillpipe 1.03	Standard Wireline Keeper Drillpipe 1.03	
1,090.0	1,120.0	SDI Gyro (Lateral #2)	WL Keeper Drillpipe 1.03	Standard Wireline Keeper Drillpipe 1.03	
1,129.0	1,129.0	SDI MWD (Lateral #2)	MWD SDI	MWD - Standard ver 1.0.1	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
Kenji #1 Lateral #2 East HL - Kenji #1 Lateral #2 South HL										
85.4	0.12	264.76	85.3	0.0	-0.1	-0.1	0.14	0.14	0.00	
110.3	0.11	240.93	110.3	0.0	-0.1	-0.1	0.19	-0.04	-95.32	
135.3	0.04	278.30	135.3	0.0	-0.2	-0.1	0.33	-0.28	149.48	
160.3	0.07	247.54	160.3	0.0	-0.2	-0.1	0.16	0.12	-123.04	
185.3	0.36	244.59	185.3	-0.1	-0.3	-0.2	1.16	1.16	-11.80	
210.3	0.35	205.46	210.3	-0.2	-0.4	-0.2	0.95	-0.04	-156.52	
235.3	0.44	220.48	235.3	-0.3	-0.5	-0.1	0.55	0.36	60.08	
260.4	0.42	233.59	260.3	-0.4	-0.6	-0.2	0.40	-0.08	52.44	
285.4	0.32	240.62	285.3	-0.5	-0.7	-0.2	0.44	-0.40	28.12	

Company:	McELVAIN Oil & Gas	Local Co-ordinate Reference:	Well: Kenji #1
Project:	San Juan Basin (NM West)	TVD Reference:	DF @ 5489.0ft (12' DF + 5477' GL)
Site:	SEC 17-T30N-R13W	MD Reference:	DF @ 5489.0ft (12' DF + 5477' GL)
Well:	Kenji #1	North Reference:	Grid
Wellbore:	Lateral #2	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDM 2003.21 Single User Db

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
310.4	0.40	198.85	310.3	-0.7	-0.8	-0.2	1.07	0.32	-167.08
335.4	0.53	195.60	335.3	-0.8	-0.9	-0.1	0.53	0.52	-13.00
360.4	0.57	184.99	360.3	-1.1	-0.9	0.0	0.44	0.16	-42.44
385.4	0.52	191.57	385.3	-1.3	-1.0	0.1	0.32	-0.20	26.32
410.3	0.51	181.64	410.3	-1.5	-1.0	0.3	0.36	-0.04	-39.72
435.3	0.54	162.31	435.3	-1.8	-1.0	0.4	0.71	0.12	-77.32
460.3	0.26	222.40	460.3	-1.9	-1.0	0.5	1.87	-1.12	240.36
485.3	0.37	211.76	485.3	-2.0	-1.0	0.6	0.50	0.44	-42.56
510.3	0.33	218.93	510.3	-2.2	-1.1	0.6	0.24	-0.16	28.68
535.3	0.40	195.14	535.3	-2.3	-1.2	0.6	0.66	0.28	-95.16
560.3	0.44	178.08	560.3	-2.5	-1.2	0.7	0.52	0.16	-68.24
585.3	0.45	174.34	585.3	-2.7	-1.2	0.9	0.12	0.04	-14.96
610.3	0.30	92.28	610.3	-2.8	-1.1	1.0	2.02	-0.60	-328.24
635.3	0.18	202.47	635.3	-2.8	-1.1	1.0	1.60	-0.48	440.76
660.3	0.24	108.66	660.3	-2.9	-1.0	1.1	1.24	0.24	-375.24
685.3	0.20	44.93	685.3	-2.8	-1.0	1.2	0.94	-0.16	-254.92
710.3	0.14	78.52	710.3	-2.8	-0.9	1.2	0.46	-0.24	134.36
735.3	0.18	1.97	735.3	-2.8	-0.9	1.2	0.80	0.16	-306.20
760.3	0.51	330.31	760.3	-2.6	-0.9	1.0	1.48	1.32	-126.64
785.3	0.37	298.98	785.3	-2.5	-1.1	0.9	1.09	-0.56	-125.32
810.3	0.75	309.76	810.3	-2.3	-1.2	0.6	1.57	1.52	43.12
835.3	0.81	303.91	835.3	-2.1	-1.5	0.3	0.40	0.24	-23.40
860.3	0.71	283.17	860.3	-2.0	-1.8	0.0	1.16	-0.40	-82.96
885.3	0.80	291.38	885.3	-1.9	-2.1	-0.3	0.56	0.36	32.84
910.3	1.23	297.42	910.3	-1.7	-2.5	-0.8	1.77	1.72	24.16
935.3	1.35	298.70	935.3	-1.5	-3.0	-1.3	0.49	0.48	5.12
960.3	1.55	298.66	960.3	-1.2	-3.6	-1.9	0.80	0.80	-0.16
985.3	1.67	295.98	985.3	-0.8	-4.2	-2.6	0.57	0.48	-10.72
1,010.3	1.90	299.92	1,010.3	-0.5	-4.9	-3.4	1.04	0.92	15.76
1,035.3	2.43	294.92	1,035.3	0.0	-5.7	-4.3	2.25	2.12	-20.00
1,060.3	2.31	296.88	1,060.2	0.4	-6.7	-5.3	0.58	-0.48	7.84
1,090.0	0.49	319.90	1,089.9	0.8	-7.3	-6.0	6.30	-6.14	77.64
1,095.0	0.62	142.27	1,094.9	0.8	-7.3	-6.0	22.20	2.60	-3,552.61
1,100.0	0.89	150.08	1,099.9	0.7	-7.2	-5.9	5.77	5.40	156.20
1,105.0	0.72	180.03	1,104.9	0.7	-7.2	-5.9	8.95	-3.40	599.00
1,110.0	0.91	240.13	1,109.9	0.6	-7.3	-5.9	16.65	3.80	1,202.00
1,115.0	1.94	271.52	1,114.9	0.6	-7.4	-5.9	25.12	20.60	627.80
1,120.0	3.04	280.28	1,119.9	0.6	-7.6	-6.1	23.22	22.00	175.20
1,129.0	5.28	288.70	1,128.9	0.8	-8.2	-6.7	25.73	24.89	93.56

Kenji #1 Lateral #2 LP Kenji #1 Lateral #2 BHL

Checked By: _____	Approved By: _____	Date: _____
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