

Results of Directional Survey

API number:	30-025-41479		
OGRID:		Operator:	CIMAREX ENERGY CO.
		Property:	DOS EQUIS 13 FEDERAL COM # 1H

surface	ULSTR:	A	13	T 24S	R 32E
				330 FNL	660 FEL

BH Loc	ULSTR:	P	13	T 24S	R 32E
15250	MD	10987.8	TVD	360 FSL	608 FEL
4920 FNL					

Top Perf/OH	ULSTR:	A	13	T 24S	R 32E
10990	MD	10890.7	TVD	683 FNL	643 FEL

Bot Perf/OH	ULSTR:	P	13	T 24S	R 32E
15207	MD	10985.3	TVD	403 FSL	608 FEL
4877 FNL					

	MD	N/S	E/W	VD
	10985	-349.06	17.13	10888.1
TOP PERFS/OH	10990	-353.35	17.11	10890.67
	11016	-375.63	17.03	10904.06
	15178	-4518.37	51.48	10983.68
BOT PERFS/OH	15207	-4547.32	51.57	10985.32
	15251	-4591.25	51.71	10987.82

NEXT TO LAST	15178	-4518.37	51.48	10983.68
LAST READING	15251	-4591.25	51.71	10987.82
TD	15250	-4590.25	51.71	10987.76

Surface Location	330	FN	660	FE
Projected BHL	4920	FN	608	FE
Location of				
Top Perfs/OH	683	FN	643	FE
Bottom Perfs/OH	4877	FN	608	FE

SUMMARY of Subsurface Locations

Surface Location	A-13-24S-32E	330	FN	660	FE	Vert. Depth
Top Perfs/OH	A-13-24S-32E	683	FN	643	FE	10890.67
Bottom Perfs/OH	P-13-24S-32E	4877	FN	608	FE	10985.32
Projected TD	P-13-24S-32E	4920	FN	608	FE	10987.76

AUG 1 2 2014

Reservoir Development

PathFinder, a Schlumberger Company
9200 West Reno Avenue
Oklahoma City, Oklahoma 73127 USA
Phone: (405) 789-1515
Fax: (405) 789-1519



April 13, 2014

Cimarex
600 N MARIENFELD STREET SUITE 600

MIDLAND, TX 79701

S13-T24S-R32E 330 FNL 660 FEL
N 32.22404 W 103.62195

Re:

CLIENT: Cimarex Energy Co.
WELL: Dos Equis 13 Federal Com 1H ST01
FIELD: Triple X; Bone Spring, West
RIG: Scandriil Eagle
COUNTY: Lea
API NO: 30-025-41479-01
JOB NO: 14MLD0054

Enclosed, please find the original copy of the survey performed on the referenced well by PathFinder, a division of Schlumberger Technology Corporation.
Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
John Gilchrist MWD	Dos Equis 13 Federal Com 1H ST01 Side Track	10543.00 Ft to 15178.00 Ft	March 27, 2014 to April 12, 2014	SlimPulse

If any other information is required, please contact the undersigned at the above letterhead and phone number.
Sincerely,

Joseph Hogan
Field Service Manager

Reservoir Development

PathFinder, a Schlumberger Company
9200 West Reno Avenue
Oklahoma City, Oklahoma 73127 USA
Phone: (405) 789-1515
Fax: (405) 789-1519



Well Reference:

S13-T24S-R32E 330 FNL 660 FEL
N 32.22404 W 103.62195

I, John Gilchrist certify that; I am employed by PathFinder, a division of Schlumberger Technology Corporation; that I did on the day(s) of March 27, 2014 through April 12, 2014, conduct or supervise the taking of the SlimPulse surveys from a depth of 10543.00 feet to a depth of 15178.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Cimarex Energy Co. for the Dos Equis 13 Federal Com 1H ST01 Well (Side Track) API No. 30-025-41479-01 and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

By
John Gilchrist
MWD

Subscribed and Sworn to before me this 14 day of April (month) 2014 (yr)

My Commission expires:

March 26, 2018

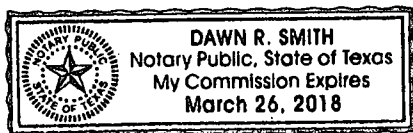
Dawn Smith, Dawn Smith

Notary Public

(signature)

Midland, TX

(County State)



SCHLUMBERGER
Survey Report

8-May-2014

Client: Cimarex Energy Co.
Field: Triple X; Bone Spring West

Well: Dos Equis 13 Federal Cam 1H S101
API number: 30-025-41479-01
Engineer: J. Gilchrist

County: Lea

State: New Mexico

Rig: Scan Drill Eagle

Spud date: 24-Jan-14
Last survey date: 12-Apr-14
Total accepted surveys: 67
MD of first survey: 10543.00 ft
MD of last survey: 15178.00 ft

Latitude: 32° 13' 26.645" N
Longitude: 103° 37' 18.885" W

Survey calculation methods: Minimum curvature
Method for positions: Lubinski
Method for DLS:

Depth reference: MSL
Permanent datum: Driller's Depth
GI above permanent: 3576.00
KB above permanent: 3601.00
DI above permanent: 3601.00

Vertical section origin: Latitude (+N/-): 0.00 ft
Departure (+E/W-): 0.00 ft

Grid Coordinates: MAD27 Texas State Plane, Central Zone, US Feet
X: 445978.10 ft
Y: 761333.90 ft

Azimuth from Vsect Origin to target: 179.64 degrees

---MNWD Survey Reference Criteria---

Run1 Calculation Date: 28-Mar-2014
Location G.: 998.94325 mgn Tolerance G.: 2.50 mgn
Location B.: 48310.44 nT Tolerance B.: 300.00 nT
Magnetic Dip: 60.094 degrees Tolerance Dip: 0.45 degrees

Run2 Calculation Date: 31-Mar-2014
Location G.: 998.94325 mgn Tolerance G.: 2.50 mgn
Location B.: 48309.48 nT Tolerance B.: 300.00 nT
Magnetic Dip: 60.0938 degrees Tolerance Dip: 0.45 degrees

Run3 Calculation Date: 2-Apr-2014
Location G.: 998.94325 mgn Tolerance G.: 2.50 mgn
Location B.: 48308.64 nT Tolerance B.: 300.00 nT
Magnetic Dip: 60.0936 degrees Tolerance Dip: 0.45 degrees

Run4 Calculation Date: 6-Apr-2014
Location G.: 998.94325 mgn Tolerance G.: 2.50 mgn
Location B.: 48307.57 nT Tolerance B.: 300.00 nT
Magnetic Dip: 60.0933 degrees Tolerance Dip: 0.45 degrees

Run5 Calculation Date: 9-Apr-2014
Location G.: 998.94325 mgn Tolerance G.: 2.50 mgn
Location B.: 48306.61 nT Tolerance B.: 300.00 nT
Magnetic Dip: 60.093 degrees Tolerance Dip: 0.45 degrees

Run6 Calculation Date: 10-Apr-2014
Location G.: 998.94325 mgn Tolerance G.: 2.50 mgn
Location B.: 48306.29 nT Tolerance B.: 300.00 nT
Magnetic Dip: 60.093 degrees Tolerance Dip: 0.45 degrees

BSGM Model: 2013

Run1 Magnetic dec (+E/M-): 7.3788 degrees
Grid Conv (+E/M-): 0.3788 degrees
Total Azim Corr (+E/M-): 7 degrees

Run2 Magnetic dec (+E/M-): 7.3779 degrees
Grid Conv (+E/M-): 0.3779 degrees
Total Azim Corr (+E/M-): 7 degrees

Run3 Magnetic dec (+E/M-): 7.3773 degrees
Grid Conv (+E/M-): 0.3773 degrees
Total Azim Corr (+E/M-): 7 degrees

Run4 Magnetic dec (+E/M-): 7.3761 degrees
Grid Conv (+E/M-): 0.3761 degrees
Total Azim Corr (+E/M-): 7 degrees

82	7912.00	1.10	144.85	96.00	7911.08	46.92	-46.49	68.89	83.11	124.01	0.16	Other	0
83	8008.00	1.19	142.17	96.00	8007.06	48.46	-48.03	70.03	84.92	124.44	0.11	Other	0
84	8103.00	1.32	154.56	95.00	8102.04	50.24	-49.80	71.10	86.81	125.00	0.32	Other	0
85	8198.00	1.41	154.74	95.00	8197.01	52.29	-51.84	72.07	88.78	125.73	0.09	Other	0
86	8305.00	1.19	165.07	92.00	8298.99	54.24	-53.79	72.80	90.52	126.46	0.35	Other	0
87	8395.00	0.70	205.23	95.00	8383.97	55.72	-55.27	72.81	91.41	127.20	0.84	Other	0
88	8471.00	1.01	212.66	96.00	8479.96	56.96	-56.51	72.10	91.61	128.09	0.34	Other	0
89	8576.00	1.19	219.56	95.00	8574.94	58.41	-57.97	71.02	91.68	129.22	0.23	Other	0
90	8670.00	1.41	219.56	94.00	8668.92	60.05	-59.62	69.66	91.69	130.56	0.23	Other	0
91	8765.00	1.19	226.87	95.00	8763.90	61.48	-61.06	68.09	91.46	131.88	0.47	Other	0
92	8860.00	1.38	228.57	95.00	8858.87	62.88	-62.46	66.29	91.08	133.30	0.46	Other	0
93	8954.00	1.89	241.05	94.00	8952.83	64.47	-64.07	63.96	90.53	135.05	0.52	Other	0
94	9049.00	2.11	242.85	95.00	9047.77	66.01	-65.63	61.03	89.62	137.08	0.24	Other	0
95	9144.00	2.50	243.33	95.00	9142.69	67.71	-67.36	57.62	88.64	139.45	0.41	Other	0
96	9238.00	2.99	243.77	94.00	9236.58	69.93	-69.60	53.73	87.93	142.33	0.61	Other	0
97	9333.00	3.12	240.87	95.00	9331.45	72.51	-72.20	49.99	87.47	145.63	0.24	Other	0
98	9428.00	2.50	240.43	95.00	9426.33	74.76	-74.48	45.33	87.19	148.68	0.65	Other	0
99	9522.00	1.89	242.15	94.00	9520.26	76.48	-76.22	42.17	87.11	151.04	0.65	Other	0
100	9617.00	1.41	243.07	94.00	9615.22	77.72	-77.48	39.74	87.08	152.84	0.51	Other	0
101	9711.00	1.01	270.84	95.00	9709.20	78.22	-77.99	37.89	86.7	154.09	0.74	Other	0
102	9806.00	1.19	272.64	95.00	9804.19	78.15	-77.93	36.06	85.87	155.17	0.19	Other	0
103	9900.00	1.58	277.16	94.00	9898.16	78.60	-78.39	33.89	85.4	156.62	0.77	Other	0
104	9995.00	3.12	236.43	95.00	9993.08	80.52	-80.33	30.53	85.93	159.19	1.68	Other	0
105	10090.00	2.90	234.15	95.00	10087.95	83.33	-83.16	26.43	87.26	162.37	0.26	Other	0
106	10185.00	2.50	230.63	95.00	10182.84	86.03	-85.89	22.88	88.88	165.08	0.46	Other	0
107	10279.00	1.80	224.96	94.00	10276.77	88.36	-88.23	20.25	90.53	167.07	0.78	Other	0
108	10374.00	1.80	217.05	95.00	10371.73	90.59	-90.48	18.30	92.31	168.57	0.26	Other	0
109	10469.00	1.58	205.76	95.00	10466.69	92.95	-92.85	16.83	94.36	169.73	0.42	Other	0
110	10534.00	8.62	185.79	74.00	10540.35	99.39	-99.29	15.83	100.55	170.94	9.67	Other	0
111	10574.00	11.37	178.78	31.00	10570.88	104.76	-104.66	15.66	105.83	171.49	9.69	Other	0
112	10606.00	15.46	179.30	32.00	10602.00	112.18	-112.09	15.78	113.19	171.99	12.77	Other	0
113	10637.00	20.84	178.20	31.00	10631.44	121.83	-121.73	16.00	122.78	172.51	17.38	Other	0
114	10669.00	26.73	176.37	32.00	10660.71	134.72	-134.62	16.63	135.64	172.96	18.56	Other	0
115	10701.00	31.78	176.99	32.00	10688.62	150.33	-150.23	17.53	151.24	173.34	15.82	Other	0
116	10732.00	34.59	179.07	31.00	10714.56	167.29	-167.18	18.10	168.16	173.82	9.78	Other	0
117	10764.00	37.53	179.55	32.00	10740.43	186.13	-186.02	18.33	186.92	174.37	9.22	Other	0
118	10795.00	40.83	179.35	31.00	10764.46	205.71	-205.60	18.51	206.43	174.85	10.65	Other	0
119	10827.00	44.08	180.39	32.00	10788.06	227.30	-227.19	18.56	227.95	175.33	10.37	Other	0
120	10858.00	47.06	180.91	31.00	10809.76	249.43	-249.32	18.30	249.99	175.80	9.69	Other	0
121	10890.00	49.41	181.17	32.00	10831.08	273.29	-273.19	17.87	273.77	176.26	7.37	Other	0
122	10922.00	51.42	180.68	32.00	10851.47	297.94	-297.84	17.47	298.35	176.64	6.40	Other	0
123	10953.00	54.32	180.34	31.00	10870.18	322.65	-322.55	17.25	323.01	176.94	9.39	Other	0
124	10985.00	57.56	180.19	32.00	10888.10	349.16	-349.06	17.13	349.48	177.19	10.15	Other	0
125	11016.00	60.44	180.23	31.00	10904.06	375.73	-375.63	17.03	376.02	177.40	9.29	Other	0
126	11048.00	62.59	180.46	32.00	10919.32	403.85	-403.75	16.86	404.11	177.61	6.75	Other	0
127	11079.00	65.76	179.84	31.00	10932.83	431.75	-431.65	16.79	431.98	177.77	10.37	Other	0
128	11114.00	69.01	179.93	32.00	10945.13	461.29	-461.19	16.85	461.5	177.91	10.15	Other	0
129	11142.00	72.31	180.32	31.00	10955.40	490.53	-490.44	16.79	490.72	178.04	10.73	Other	0
130	11174.00	74.83	180.72	32.00	10964.45	521.22	-521.13	16.51	521.39	178.19	7.97	Other	0
131	11205.00	77.38	181.00	31.00	10971.89	551.30	-551.21	16.06	551.45	178.33	8.25	Other	0
132	11237.00	80.39	181.23	32.00	10978.06	582.69	-582.60	15.44	582.81	178.48	9.45	Other	0
133	11268.00	82.93	181.68	31.00	10982.55	613.34	-613.26	14.66	613.44	178.63	8.30	Other	0
134	11355.00	86.94	181.48	87.00	10990.23	699.93	-699.87	12.28	699.98	178.99	4.61	Other	0
135	11380.00	87.32	181.06	25.00	10991.49	724.89	-724.83	11.58	724.92	179.09	1.89	Other	0
136	11475.00	89.04	181.05	95.00	10994.51	819.79	-819.75	9.25	819.8	179.35	1.96	Other	0
137	11570.00	89.48	179.18	95.00	10995.73	914.78	-914.74	9.07	914.78	179.43	2.02	Other	0
138	11664.00	89.90	177.67	94.00	10996.24	1008.75	-1008.75	11.66	1008.76	179.34	1.66	Other	0
139	11758.00	90.48	176.26	95.00	10995.93	1102.64	-1102.56	16.64	1102.69	179.14	1.62	Other	0
140	11853.00	90.55	176.70	95.00	10995.08	1197.45	-1197.32	22.29	1197.55	178.89	0.59	Other	0
141	11948.00	90.41	176.47	95.00	10994.28	1292.26	-1292.10	29.78	1292.44	178.68	0.81	Other	0
142	12042.00	90.38	179.09	94.00	10992.89	1386.20	-1386.01	33.42	1386.42	178.62	2.82	Other	0
143	12137.00	90.83	180.98	95.00	10992.26	1481.18	-1481.00	33.37	1481.38	178.71	2.04	Other	0
144	12232.00	90.14	181.49	95.00	10991.94	1576.15	-1575.98	31.33	1576.29	178.86	0.59	Other	0
145	12326.00	89.97	182.75	94.00	10991.75	1670.06	-1669.91	27.85	1670.15	179.04	1.36	Other	0
146	12421.00	89.76	182.63	95.00	10991.98	1764.92	-1764.81	23.39	1764.96	179.24	0.25	Other	0
147	12515.00	89.79	181.03	94.00	10992.35	1858.85	-1858.76	20.39	1858.87	179.37	1.70	Other	0
148	12610.00	89.79	180.48	95.00	10992.69	1953.83	-1953.75	19.14	1953.84	179.44	0.58	Other	0
149	12704.00	89.97	179.50	94.00	10992.89	2047.83	-2047.75	19.15	2047.84	179.46	1.06	Other	0
150	12799.00	90.41	179.28	95.00	10992.57	2142.84	-2142.74	20.16	2142.84	179.46	0.52	Other	0
151	12894.00	90.07	178.34	94.00	10992.17	2237.81	-2237.72	22.14	2237.83	179.43	1.06	Other	0
152	12988.00	90.21	177.97	95.00	10991.95	2331.78	-2331.67	25.16	2331.8	179.38	0.41	Other	0
153	13083.00	89.93	177.71	95.00	10991.83	2426.73	-2426.60	28.73	2426.77	179.32	0.40	Other	0
154	13178.00	90.34	175.84	95.00	10991.61	2521.61	-2521.45	33.99	2521.68	179.23	1.92	Other	0
155	13272.00	90.38	177.00	94.00	10991.01	2615.47	-2615.27	39.78	2615.57	179.13	1.14	Other	0
156	13367.00	90.48	177.90	95.00	10990.30	2710.29	-2710.17	44.00	2710.53	179.07	0.95	Other	0
157	13462.00	90.48	179.19	95.00	10989.50	2805.37	-2805.14	46.41	2805.52	179.05	1.36	Other	0
158	13556.00	90.76	180.08	94.00	10988.49	2899.37	-2899.13	47.02	2899.51	179.07	0.99	Other	0
159	13651.00	91.07	179.74	95.00	10988.98	2994.35	-2994.12	47.16	2994.49	179.10	0.48	Other	0
160	13745.00	92.06	179.58	94.00	10984.41	3088.32	-3088.08	47.72	3088.45	179.11	1.08	Other	0
161	13840.00	93.37	180.45	95.00	10979.50	3183.20	-3182.97	47.70	3183.33	179.14	1.65	Other	0
162	13935.00	94.34	180.13	95.00	10973.52	3277.98	-3277.75	47.22	3278.09	179.17	1.07	Other	0
163	14029.00	95.10	179.79	94.00	10969.75	3371.66	-3371.43	47.28	3371.76	179.20	0.89	Other	0
164	14124.00	94.92	179.70	95.00	10967.49	3466.30	-3466.07	47.71	3466.4	179.21	0.21	Other	1
165	14219.00	94.02	180.69	95.00	10950.09	3561.00	-3560.78	47.39	3561.09	179.24	1.41	Other	1
166	14314.00	92.85	180.88	95.00	10944.40	3655.81	-3655.60	46.25	3655.89	179.28	1.23	Other	1
167	14409.00	89.13	179.63	94.00	10942.76	3750.78	-3750.56	46.00	3750.85	179.30	4.07	Other	1
168	14503.00	86.48	179.28	95.00	109								

-----Runs-----
Magnetic dec (+E/W)..... 7.3752 degrees
Grid Conv (+E/W)..... 0.3752 degrees
Total Azim Corr (+E/W)..... 7 degrees

-----Run-----
Magnetic dec (+E/W)..... 7.3749 degrees
Grid Conv (+E/W)..... 0.3749 degrees
Total Azim Corr (+E/W)..... 7 degrees

0 = Uncorrected 1 = Sag Corrected
2 = DMIAG Corrected 3 = Sag + DMIAG Corrected

Survey Correction Index Description

Seq	Survey Data										Tool		Correction
	MD (ft)	Ind (deg)	Azim (deg)	Course (ft)	TVD (ft)	V-Sec (ft)	N/S (ft)	E/W (ft)	Closure (ft)	at Azi (deg)	DLS (deg/100ft)		
1	0.00	0.00	0.00	-99.25	0.00	0.00	0.00	0.00	0	90.00	0.00	Tip	0
2	117.00	0.62	57.53	117.00	117.00	-0.34	0.34	0.53	0.63	57.53	0.53	Other	0
3	173.00	0.22	167.75	56.00	173.00	-0.39	0.40	0.81	0.9	63.93	1.30	Other	0
4	355.00	0.22	122.26	182.00	355.00	0.14	-0.13	1.18	1.19	96.30	0.09	Other	0
5	478.00	0.31	143.65	123.00	477.99	0.53	-0.52	1.58	1.66	108.38	0.11	Other	0
6	598.00	0.09	1.41	120.00	597.99	0.70	-0.69	1.77	1.9	111.31	0.32	Other	0
7	720.00	0.22	166.56	122.00	719.99	0.84	-0.82	1.83	2.01	114.23	0.25	Other	0
8	841.00	0.22	146.87	121.00	840.99	1.26	-1.24	2.02	2.37	121.74	0.06	Other	0
9	936.00	0.22	208.26	95.00	935.99	1.57	-1.56	2.01	2.55	127.57	0.24	Other	0
10	1032.00	0.22	176.14	96.00	1031.99	1.92	-1.90	1.95	2.73	134.32	0.13	Other	0
11	1128.00	0.40	199.96	96.00	1127.99	2.41	-2.40	1.85	3.03	142.44	0.23	Other	0
12	1217.00	0.31	187.65	88.00	1216.99	2.94	-2.93	1.71	3.4	149.76	0.13	Other	0
13	1317.00	0.62	184.66	100.00	1316.98	3.75	-3.74	1.63	4.08	156.46	0.31	Other	0
14	1412.00	0.62	190.86	95.00	1411.98	4.77	-4.76	1.49	4.99	162.60	0.07	Other	0
15	1507.00	0.62	190.86	95.00	1506.97	5.78	-5.77	1.30	5.91	167.32	0.00	Other	0
16	1603.00	0.48	186.64	96.00	1602.97	6.68	-6.68	1.15	6.78	170.20	0.15	Other	0
17	1698.00	0.62	187.17	95.00	1697.96	7.59	-7.58	1.04	7.65	172.17	0.15	Other	0
18	1794.00	0.48	185.94	96.00	1793.96	8.50	-8.50	0.94	8.55	173.71	0.15	Other	0
19	1889.00	0.62	176.84	95.00	1888.96	9.41	-9.41	0.92	9.45	174.39	0.17	Other	0
20	1985.00	0.40	183.37	96.00	1984.95	10.26	-10.26	0.90	10.29	175.00	0.26	Other	0
21	2081.00	0.40	191.87	96.00	2080.95	10.92	-10.91	0.77	10.94	175.94	0.02	Other	0
22	2176.00	0.40	197.23	95.00	2175.95	11.56	-11.56	0.61	11.57	176.99	0.04	Other	0
23	2271.00	0.31	208.04	95.00	2270.95	12.10	-12.10	0.39	12.11	178.16	0.12	Other	0
24	2366.00	0.40	214.15	95.00	2365.94	12.60	-12.60	0.08	12.6	179.63	0.10	Other	0
25	2462.00	0.31	227.95	96.00	2461.94	13.12	-13.12	-0.19	13.12	180.84	0.13	Other	0
26	2557.00	0.31	227.95	95.00	2556.94	13.53	-13.54	-0.47	13.54	181.99	0.16	Other	0
27	2652.00	0.22	227.95	95.00	2651.94	13.83	-13.83	-0.80	13.85	183.29	0.09	Other	0
28	2748.00	0.31	230.24	96.00	2747.94	14.11	-14.12	-1.13	14.17	184.59	0.09	Other	0
29	2843.00	0.22	210.84	95.00	2842.94	14.43	-14.44	-1.42	14.51	185.63	0.13	Other	0
30	2939.00	0.09	202.86	96.00	2938.94	14.66	-14.67	-1.55	14.75	186.02	0.14	Other	0
31	3034.00	0.09	194.04	95.00	3033.94	14.78	-14.79	-1.52	14.87	185.88	0.11	Other	0
32	3130.00	0.09	176.14	96.00	3129.94	14.91	-14.92	-1.46	14.99	185.60	0.07	Other	0
33	3225.00	0.00	72.74	95.00	3224.94	14.98	-14.99	-1.46	15.06	185.56	0.09	Other	0
34	3321.00	0.09	116.77	96.00	3320.94	15.02	-15.03	-1.39	15.09	185.29	0.09	Other	0
35	3416.00	0.09	151.27	95.00	3415.94	15.12	-15.12	-1.29	15.18	184.87	0.06	Other	0
36	3511.00	0.09	74.54	95.00	3510.94	15.16	-15.17	-1.18	15.22	184.45	0.12	Other	0
37	3607.00	0.22	77.97	96.00	3606.94	15.11	-15.11	-0.93	15.14	183.51	0.14	Other	0
38	3702.00	0.22	281.43	95.00	3701.94	15.03	-15.04	-0.94	15.07	183.53	0.45	Other	0
39	3797.00	0.09	69.04	95.00	3796.94	14.97	-14.97	-1.04	15.01	183.96	0.32	Other	0
40	3893.00	0.09	45.05	96.00	3892.94	14.89	-14.89	-0.91	14.92	183.51	0.04	Other	0
41	3988.00	0.09	356.53	95.00	3987.94	14.76	-14.77	-0.87	14.79	183.35	0.08	Other	0
42	4084.00	0.22	25.36	96.00	4083.94	14.52	-14.53	-0.79	14.55	183.12	0.15	Other	0
43	4179.00	0.31	38.06	95.00	4178.93	14.15	-14.16	-0.55	14.17	182.24	0.11	Other	0
44	4275.00	0.48	92.25	96.00	4274.93	13.97	-13.97	0.01	13.97	179.97	0.41	Other	0
45	4370.00	0.79	99.24	95.00	4369.93	14.10	-14.09	1.05	14.13	175.73	0.34	Other	0
46	4466.00	1.01	96.27	96.00	4465.91	14.33	-14.32	2.54	14.54	169.93	0.23	Other	0
47	4561.00	1.19	108.55	95.00	4560.91	14.78	-14.75	4.31	15.37	161.73	0.28	Other	0
48	4657.00	1.41	108.95	96.00	4656.87	15.49	-15.45	6.37	16.71	151.61	0.23	Other	0
49	4752.00	1.71	113.17	95.00	4751.84	16.45	-16.39	8.78	18.59	151.83	0.34	Other	0
50	4847.00	1.58	114.97	95.00	4846.80	17.57	-17.50	11.27	20.81	147.23	0.15	Other	0
51	4941.00	1.71	114.75	104.00	4940.75	18.84	-18.76	13.98	23.39	143.31	0.13	Other	0
52	5036.00	1.58	121.16	95.00	5035.72	20.13	-20.03	16.38	25.88	140.71	0.24	Other	0
53	5142.00	1.48	117.16	96.00	5141.68	21.39	-21.28	18.62	28.27	136.81	0.15	Other	0
54	5238.00	1.49	120.77	96.00	5237.65	22.61	-22.48	20.79	30.63	137.23	0.10	Other	0
55	5333.00	1.49	114.84	95.00	5332.62	23.78	-23.63	22.98	32.96	135.81	0.16	Other	0
56	5429.00	1.49	117.03	96.00	5428.58	24.88	-24.72	25.22	35.32	134.43	0.06	Other	0
57	5524.00	1.58	116.07	95.00	5523.55	26.03	-25.86	27.50	37.75	133.24	0.10	Other	0
58	5620.00	1.58	122.35	96.00	5619.51	27.34	-27.15	29.80	40.32	132.33	0.18	Other	0
59	5715.00	1.58	120.15	95.00	5714.48	28.71	-28.51	32.04	42.89	131.66	0.06	Other	0
60	5811.00	1.10	112.64	96.00	5810.45	29.74	-29.53	34.04	45.06	130.94	0.53	Other	0
61	5906.00	1.32	111.14	95.00	5905.43	30.50	-30.28	35.90	46.94	129.14	0.23	Other	0
62	6001.00	1.32	111.94	95.00	6000.41	31.31	-31.08	37.94	49.04	128.33	0.02	Other	0
63	6097.00	1.10	109.03	96.00	6096.38	32.04	-31.79	39.83	50.97	128.59	0.24	Other	0
64	6193.00	1.01	110.27	96.00	6192.37	32.64	-32.39	41.50	52.64	127.97	0.10	Other	0
65	6288.00	1.19	106.44	95.00	6287.35	33.22	-32.96	43.23	54.36	127.32	0.20	Other	0
66	6384.00	1.32	107.45	96.00	6383.33	33.85	-33.57	45.24	56.33	126.58	0.14	Other	0
67	6479.00	1.32	108.24	95.00	6478.30	34.57	-34.28	47.31	58.42	125.92	0.07	Other	0
68	6575.00	1.19	108.44	96.00	6574.28	35.28	-34.97	49.29	60.44	125.36	0.14	Other	0
69	6670.00	1.19	114.44	95.00	6669.26	36.01	-35.69	51.13	62.55	124.92	0.14	Other	0
70	6766.00	1.10	124.46	96.00	6765.24	36.95	-36.62	52.80	64.26	124.73	0.23	Other	0
71	6862.00	1.01	123.84	96.00	6861.22	37.95	-37.62	54.26	66.02	124.73	0.09	Other	0
72	6957.00	0.88	120.64	95.00	6956.21	38.80	-38.46	55.58	67.99	124.68	0.15	Other	0
73	7053.00	1.01	113.74	96.00	7052.20	39.53	-39.17	56.99	69.15	124.50	0.18	Other	0
74	7148.00	0.88	110.66	95.00	7147.18	40.13	-39.77	58.44	70.69	124.23	0.15	Other	0
75	7244.00	0.88	112.55	96.00	7243.17	40.68	-40.31	59.81	72.13	123.98	0.03	Other	0
76	7339.00	1.01	116.35	95.00	7338.16	41.37	-40.99	61.22	73.67	123.80	0.17	Other	0
77	7435.00	0.79	102.66	96.00	7434.15	41.92	-41.53	62.61	75.13	123.56	0.34	Other	0
78	7530.00	1.01	111.14	95.00	7529.14	42.38	-41.98	64.03	76.57	123.25	0.27	Other	0
79	7626.00	1.10	138.96	96.00	7625.12	43.39	-42.98	65.43	78.28	123.30	0.54	Other	0
80	7721.00	0.88	123.67	95.00	7720.11	44.49	-44.07	66.63	79.89	123.48	0.36	Other	0
81	7816.00	1.01	138.35	95.00	7815.09	45.52	-45.10	67.79	81.43	123.63	0.29	Other	0