

Results of Directional Survey

API number:	30-025-41582		
OGRID:		Operator:	CHEVRON MIDCONTINENT, L.P.
		Property:	J KEATS 1 24 32 # 40H

surface	ULSTR:	P	01	T 24S	R 32E
				330 FSL	400 FEL

5278

BH Loc	ULSTR:	A	01	T 24S	R 32E
15474	MD	11032.5	TVD	351 FNL	408 FEL
				4927 FSL	

Top Perf/OH	ULSTR:	P	01	T 24S	R 32E
11895	MD	11053.4	TVD	1350 FSL	411 FEL

Bot Perf/OH	ULSTR:	A	01	T 24S	R 32E
15373	MD	11034.5	TVD	452 FNL	407 FEL
				4826 FSL	

	MD	N/S	E/W	VD
	11851	975.89	-11.11	11053.99
TOP PERFS/OH	11895	1019.88	-10.50	11053.38
	11940	1064.87	-9.87	11052.75
	15339	4462.12	-6.19	11035.15
BOT PERFS/OH	15373	4496.11	-6.60	11034.47
	15428	4551.09	-7.27	11033.36

NEXT TO LAST	15428	4551.09	-7.27	11033.36
LAST READING	15485	4608.06	-8.67	11032.27
TD	15474	4597.07	-8.40	11032.48

Surface Location	330	FS	400	FE
Projected BHL	4927	FS	408	FE
Location of				
Top Perfs/OH	1350	FS	411	FE
Bottom Perfs/OH	4826	FS	407	FE

SUMMARY of Subsurface Locations

Surface Location	P-01-24S-32E	330	FS	400	FE	Vert. Depth
Top Perfs/OH	P-01-24S-32E	1350	FS	411	FE	11053.38
Bottom Perfs/OH	A-01-24S-32E	4826	FS	407	FE	11034.47
Projected TD	A-01-24S-32E	4927	FS	408	FE	11032.48

AUG 15 2014



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JUN 26 2014

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Well Name J KEATS 1-24-32 FED 040H		Lease J Keats 1-24-32		Field Name Triple X		Business Unit Mid-Continent	
Ground Elevation (ft) 3,607.00	Original RKB (ft) 3,632.00	Current RKB Elevation 3,632.00, 1/8/2014				Mud Line Elevation (ft)	Water Depth (ft)

Wellbore Name Original Hole		Parent Wellbore Original Hole		Kick Off Depth (ftKB) 10,579		Vertical Section Direction (°) 0.41					
UTM Northing (Y) (ft)			UTM Easting (X) (ft)			UTM Grid Zone					
Date 1/22/2014		Definitive? Y		Description MWD			Planned? N				
MD Tie In (ftKB)		TVD Tie In (ftKB)		Inclination Tie In (°)		Azimuth Tie In (°)		NSTie In (ft)		EWTie In (ft)	

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Method	Survey Company	Build (°/100ft)	Depart (ft)	Turn (°/100ft)	Unuse d data
152	0.40	112.00	152.00	-0.20	0.49	-0.20	0.26	Magn MWD	Phoenix Directional	0.26	0.53	73.68	N
301	0.40	122.00	301.00	-0.67	1.42	-0.66	0.05	Magn MWD	Phoenix Directional	0.00	1.57	6.71	N
485	0.70	302.00	484.99	-0.41	1.01	-0.41	0.60	Magn MWD	Phoenix Directional	0.16	1.09	97.83	N
665	0.70	292.00	664.98	0.58	-0.95	0.57	0.07	Magn MWD	Phoenix Directional	0.00	1.11	-5.56	N
843	0.40	296.00	842.97	1.26	-2.51	1.24	0.17	Magn MWD	Phoenix Directional	-0.17	2.81	2.25	N
1,021	0.90	268.60	1,020.96	1.50	-4.47	1.47	0.32	Magn MWD	Phoenix Directional	0.28	4.71	-15.39	N
1,200	0.50	283.90	1,199.94	1.65	-6.63	1.60	0.24	Magn MWD	Phoenix Directional	-0.22	6.83	8.55	N
1,244	0.70	272.80	1,243.94	1.71	-7.09	1.66	0.52	Magn MWD	Phoenix Directional	0.45	7.29	-25.23	N
1,376	0.40	288.10	1,375.94	1.89	-8.33	1.83	0.25	Magn MWD	Phoenix Directional	-0.23	8.54	11.59	N
1,555	0.50	311.50	1,554.93	2.61	-9.51	2.54	0.12	Magn MWD	Phoenix Directional	0.06	9.86	13.07	N
1,735	0.80	312.30	1,734.92	3.97	-11.03	3.89	0.17	Magn MWD	Phoenix Directional	0.17	11.72	0.44	N
1,914	0.80	320.70	1,913.90	5.78	-12.74	5.69	0.07	Magn MWD	Phoenix Directional	0.00	13.99	4.69	N
2,093	1.00	323.30	2,092.88	8.00	-14.47	7.90	0.11	Magn MWD	Phoenix Directional	0.11	16.53	1.45	N
2,272	1.10	327.50	2,271.85	10.70	-16.32	10.58	0.07	Magn MWD	Phoenix Directional	0.06	19.52	2.35	N
2,451	1.40	325.90	2,450.81	13.96	-18.47	13.83	0.17	Magn MWD	Phoenix Directional	0.17	23.15	-0.89	N
2,630	1.70	331.40	2,629.74	18.10	-20.97	17.95	0.19	Magn MWD	Phoenix Directional	0.17	27.70	3.07	N
2,809	1.00	267.90	2,808.70	20.38	-23.80	20.21	0.86	Magn MWD	Phoenix Directional	-0.39	31.33	-35.47	N
2,988	1.10	275.20	2,987.67	20.47	-27.07	20.28	0.09	Magn MWD	Phoenix Directional	0.06	33.94	4.08	N
3,167	1.10	281.70	3,166.64	20.98	-30.47	20.76	0.07	Magn MWD	Phoenix Directional	0.00	36.99	3.63	N
3,346	1.30	285.60	3,345.60	21.87	-34.11	21.63	0.12	Magn MWD	Phoenix Directional	0.11	40.52	2.18	N
3,525	1.60	281.80	3,524.54	22.93	-38.51	22.65	0.18	Magn MWD	Phoenix Directional	0.17	44.82	-2.12	N
3,704	1.70	283.20	3,703.46	24.05	-43.54	23.74	0.06	Magn MWD	Phoenix Directional	0.06	49.74	0.78	N
3,883	2.00	276.20	3,882.37	24.99	-49.23	24.64	0.21	Magn MWD	Phoenix Directional	0.17	55.21	-3.91	N
4,062	2.10	275.90	4,061.26	25.67	-55.60	25.27	0.06	Magn MWD	Phoenix Directional	0.06	61.23	-0.17	N
4,241	1.60	174.70	4,240.20	23.51	-58.63	23.09	1.61	Magn MWD	Phoenix Directional	-0.28	63.17	-56.54	N
4,420	2.20	165.00	4,419.10	17.71	-57.51	17.29	0.38	Magn MWD	Phoenix Directional	0.34	60.17	-5.42	N



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Well Name		Lease		Field Name		Business Unit	
J KEATS 1-24-32 FED 040H		J Keats 1-24-32		Triple X		Mid-Continent	
Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation				Mud Line Elevation (ft)	Water Depth (ft)
3,607.00	3,632.00	3,632.00, 1/8/2014					

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Method	Survey Company	Build (°/100ft)	Depart (ft)	Turn (°/100ft)	Unuse d data
4,599	2.90	156.40	4,597.92	10.24	-54.81	9.85	0.44	Magn MWD	Phoenix Directional	0.39	55.75	-4.80	N
4,776	2.10	128.80	4,774.76	4.10	-50.49	3.74	0.80	Magn MWD	Phoenix Directional	-0.45	50.65	-15.59	N
4,874	2.20	132.90	4,872.69	1.70	-47.71	1.36	0.19	Magn MWD	Phoenix Directional	0.10	47.74	4.18	N
5,053	2.00	140.80	5,051.57	-3.06	-43.22	-3.37	0.20	Magn MWD	Phoenix Directional	-0.11	43.33	4.41	N
5,232	2.00	146.70	5,230.46	-8.09	-39.53	-8.38	0.11	Magn MWD	Phoenix Directional	0.00	40.35	3.30	N
5,411	1.50	156.70	5,409.38	-12.86	-36.89	-13.12	0.33	Magn MWD	Phoenix Directional	-0.28	39.06	5.59	N
5,590	1.30	160.10	5,588.32	-16.92	-35.27	-17.17	0.12	Magn MWD	Phoenix Directional	-0.11	39.12	1.90	N
5,769	1.10	143.80	5,767.29	-20.21	-33.56	-20.45	0.22	Magn MWD	Phoenix Directional	-0.11	39.18	-9.11	N
5,948	1.10	147.30	5,946.25	-23.04	-31.62	-23.27	0.04	Magn MWD	Phoenix Directional	0.00	39.13	0.00	N
5,948	1.10	147.30	5,946.25	-23.04	-31.62	-23.27	0.04	Magn MWD	Phoenix Directional	0.00	39.13	1.96	N
6,127	0.70	138.00	6,125.23	-25.30	-29.96	-25.52	0.24	Magn MWD	Phoenix Directional	-0.22	39.22	-5.20	N
6,307	0.60	133.80	6,305.22	-26.77	-28.54	-26.98	0.06	Magn MWD	Phoenix Directional	-0.06	39.13	-2.33	N
6,486	0.40	115.20	6,484.21	-27.69	-27.30	-27.88	0.14	Magn MWD	Phoenix Directional	-0.11	38.88	-10.39	N
6,665	0.60	184.00	6,663.21	-28.89	-26.80	-29.08	0.33	Magn MWD	Phoenix Directional	0.11	39.41	38.44	N
6,844	1.00	208.80	6,842.19	-31.19	-27.62	-31.39	0.29	Magn MWD	Phoenix Directional	0.22	41.66	13.85	N
7,023	1.60	190.20	7,021.14	-35.02	-28.82	-35.23	0.41	Magn MWD	Phoenix Directional	0.34	45.35	-10.39	N
7,202	1.80	189.90	7,200.06	-40.25	-29.74	-40.46	0.11	Magn MWD	Phoenix Directional	0.11	50.05	-0.17	N
7,381	2.20	182.10	7,378.96	-46.45	-30.35	-46.67	0.27	Magn MWD	Phoenix Directional	0.22	55.49	-4.36	N
7,560	1.60	195.10	7,557.86	-52.30	-31.13	-52.52	0.41	Magn MWD	Phoenix Directional	-0.34	60.86	7.26	N
7,738	2.20	183.50	7,735.76	-58.11	-31.98	-58.33	0.40	Magn MWD	Phoenix Directional	0.34	66.33	-6.52	N
7,918	2.80	182.40	7,915.59	-65.95	-32.38	-66.18	0.33	Magn MWD	Phoenix Directional	0.33	73.47	-0.61	N
8,097	2.20	171.40	8,094.42	-73.71	-32.05	-73.94	0.43	Magn MWD	Phoenix Directional	-0.34	80.38	-6.15	N
8,276	2.20	168.30	8,273.28	-80.48	-30.84	-80.69	0.07	Magn MWD	Phoenix Directional	0.00	86.18	-1.73	N
8,454	2.40	175.90	8,451.14	-87.54	-29.88	-87.75	0.20	Magn MWD	Phoenix Directional	0.11	92.50	4.27	N
8,633	2.20	197.50	8,630.00	-94.55	-30.64	-94.77	0.49	Magn MWD	Phoenix Directional	-0.11	99.39	12.07	N
8,813	1.50	201.80	8,809.91	-100.04	-32.56	-100.27	0.40	Magn MWD	Phoenix Directional	-0.39	105.20	2.39	N
8,991	1.10	252.60	8,987.86	-102.71	-35.05	-102.96	0.66	Magn MWD	Phoenix Directional	-0.22	108.53	28.54	N
9,170	2.10	299.00	9,166.80	-101.63	-39.56	-101.91	0.87	Magn MWD	Phoenix Directional	0.56	109.06	25.92	N
9,350	3.60	262.60	9,346.58	-100.76	-48.05	-101.10	1.27	Magn MWD	Phoenix Directional	0.83	111.63	-20.22	N



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Survey Data

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9,528	2.30	299.90	9,524.36	-99.70	-56.69	-100.10	1.27	Magn MWD	Phoenix Directional	-0.73	114.69	20.96	N
9,707	3.30	287.80	9,703.15	-96.34	-64.71	-96.80	0.65	Magn MWD	Phoenix Directional	0.56	116.05	-6.76	N
9,888	6.10	294.80	9,883.52	-90.71	-78.40	-91.27	1.58	Magn MWD	Phoenix Directional	1.55	119.90	3.87	N
10,067	3.10	309.30	10,061.93	-83.65	-90.78	-84.30	1.78	Magn MWD	Phoenix Directional	-1.68	123.45	8.10	N
10,246	0.50	171.20	10,240.85	-81.36	-94.41	-82.03	1.95	Magn MWD	Phoenix Directional	-1.45	124.63	-77.15	N
10,425	1.50	39.00	10,419.83	-80.31	-92.82	-80.97	1.05	Magn MWD	Phoenix Directional	0.56	122.74	-73.85	N
10,511	3.80	18.50	10,505.74	-76.73	-91.20	-77.38	2.85	Magn MWD	Phoenix Directional	2.67	119.19	-23.84	N
10,556	10.60	15.70	10,550.36	-71.33	-89.61	-71.97	15.13	Magn MWD	Phoenix Directional	15.11	114.53	-6.22	N
10,601	16.80	13.40	10,594.05	-61.00	-86.98	-61.63	13.83	Magn MWD	Phoenix Directional	13.78	106.24	-5.11	N
10,645	22.20	14.00	10,635.51	-46.74	-83.49	-47.34	12.28	Magn MWD	Phoenix Directional	12.27	95.69	1.36	N
10,690	23.20	13.10	10,677.03	-29.86	-79.43	-30.43	2.35	Magn MWD	Phoenix Directional	2.22	84.85	-2.00	N
10,735	27.80	11.70	10,717.63	-10.94	-75.29	-11.48	10.31	Magn MWD	Phoenix Directional	10.22	76.08	-3.11	N
10,779	32.80	11.30	10,755.61	10.81	-70.87	10.30	11.37	Magn MWD	Phoenix Directional	11.36	71.69	-0.91	N
10,824	38.70	9.50	10,792.12	36.66	-66.15	36.18	13.32	Magn MWD	Phoenix Directional	13.11	75.63	-4.00	N
10,869	43.20	6.60	10,826.10	65.85	-62.06	65.40	10.85	Magn MWD	Phoenix Directional	10.00	90.49	-6.44	N
10,913	45.80	5.20	10,857.48	96.52	-58.90	96.10	6.32	Magn MWD	Phoenix Directional	5.91	113.07	-3.18	N
10,958	46.20	5.70	10,888.74	128.75	-55.82	128.34	1.20	Magn MWD	Phoenix Directional	0.89	140.33	1.11	N
11,003	49.80	5.10	10,918.85	162.03	-52.68	161.65	8.06	Magn MWD	Phoenix Directional	8.00	170.38	-1.33	N
11,047	53.50	4.70	10,946.14	196.41	-49.74	196.05	8.44	Magn MWD	Phoenix Directional	8.41	202.61	-0.91	N
11,092	58.30	3.90	10,971.36	233.56	-46.95	233.21	10.77	Magn MWD	Phoenix Directional	10.67	238.23	-1.78	N
11,137	63.10	3.60	10,993.38	272.70	-44.39	272.38	10.68	Magn MWD	Phoenix Directional	10.67	276.29	-0.67	N
11,181	66.90	3.10	11,011.97	312.51	-42.06	312.20	8.70	Magn MWD	Phoenix Directional	8.64	315.32	-1.14	N
11,226	72.40	2.90	11,027.61	354.62	-39.86	354.33	12.23	Magn MWD	Phoenix Directional	12.22	356.86	-0.44	N
11,271	76.90	3.10	11,039.52	397.95	-37.58	397.67	10.01	Magn MWD	Phoenix Directional	10.00	399.72	0.44	N
11,315	80.70	3.70	11,048.07	441.02	-35.02	440.76	8.74	Magn MWD	Phoenix Directional	8.64	442.41	1.36	N
11,359	84.40	4.30	11,053.77	484.54	-31.98	484.30	8.52	Magn MWD	Phoenix Directional	8.41	485.59	1.36	N
11,404	87.80	4.10	11,056.83	529.31	-28.69	529.09	7.57	Magn MWD	Phoenix Directional	7.56	530.09	-0.44	N
11,449	89.80	2.70	11,057.78	574.22	-26.03	574.01	5.42	Magn MWD	Phoenix Directional	4.44	574.81	-3.11	N
11,494	89.50	2.60	11,058.05	619.17	-23.94	618.98	0.70	Magn MWD	Phoenix Directional	-0.67	619.63	-0.22	N



Location Survey

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Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Method	Survey Company	Build (°/100ft)	Depart (ft)	Turn (°/100ft)	Unuse d data
11,583	90.30	2.30	11,058.21	708.08	-20.14	707.92	0.96	Magn MWD	Phoenix Directional	0.90	708.37	-0.34	N
11,672	90.70	2.40	11,057.43	797.01	-16.49	796.87	0.46	Magn MWD	Phoenix Directional	0.45	797.18	0.11	N
11,761	91.50	1.60	11,055.72	885.93	-13.39	885.82	1.27	Magn MWD	Phoenix Directional	0.90	886.03	-0.90	N
11,851	90.70	1.30	11,053.99	975.89	-11.11	975.78	0.95	Magn MWD	Phoenix Directional	-0.89	975.95	-0.33	N
11,940	90.90	0.30	11,052.75	1,064.87	-9.87	1,064.77	1.15	Magn MWD	Phoenix Directional	0.22	1,064. 91	-1.12	N
12,030	91.80	358.90	11,050.63	1,154.84	-10.49	1,154.73	1.85	Magn MWD	Phoenix Directional	1.00	1,154. 89	398.44	N
12,119	92.00	358.30	11,047.68	1,243.76	-12.67	1,243.64	0.71	Magn MWD	Phoenix Directional	0.22	1,243. 83	-0.67	N
12,208	90.20	357.90	11,045.97	1,332.69	-15.62	1,332.55	2.07	Magn MWD	Phoenix Directional	-2.02	1,332. 79	-0.45	N
12,298	91.80	358.70	11,044.40	1,422.64	-18.29	1,422.47	1.99	Magn MWD	Phoenix Directional	1.78	1,422. 75	0.89	N
12,387	89.10	357.90	11,043.70	1,511.59	-20.93	1,511.40	3.16	Magn MWD	Phoenix Directional	-3.03	1,511. 73	-0.90	N
12,477	89.40	357.20	11,044.88	1,601.50	-24.77	1,601.28	0.85	Magn MWD	Phoenix Directional	0.33	1,601. 69	-0.78	N
12,566	88.00	358.20	11,046.90	1,690.40	-28.34	1,690.15	1.93	Magn MWD	Phoenix Directional	-1.57	1,690. 63	1.12	N
12,655	87.40	358.20	11,050.47	1,779.28	-31.14	1,779.01	0.67	Magn MWD	Phoenix Directional	-0.67	1,779. 55	0.00	N
12,745	87.90	359.00	11,054.16	1,869.18	-33.33	1,868.89	1.05	Magn MWD	Phoenix Directional	0.56	1,869. 47	0.89	N
12,834	88.40	0.10	11,057.03	1,958.13	-34.03	1,957.83	1.36	Magn MWD	Phoenix Directional	0.56	1,958. 42	- 403.26	N
12,924	90.40	0.30	11,057.98	2,048.12	-33.72	2,047.82	2.23	Magn MWD	Phoenix Directional	2.22	2,048. 39	0.22	N
13,013	91.30	359.10	11,056.65	2,137.10	-34.19	2,136.80	1.69	Magn MWD	Phoenix Directional	1.01	2,137. 38	403.15	N
13,103	90.60	359.40	11,055.16	2,227.08	-35.36	2,226.77	0.85	Magn MWD	Phoenix Directional	-0.78	2,227. 36	0.33	N
13,192	90.30	1.20	11,054.46	2,316.07	-34.90	2,315.77	2.05	Magn MWD	Phoenix Directional	-0.34	2,316. 34	- 402.47	N
13,282	90.20	0.90	11,054.07	2,406.06	-33.25	2,405.76	0.35	Magn MWD	Phoenix Directional	-0.11	2,406. 29	-0.33	N
13,371	90.60	1.70	11,053.45	2,495.03	-31.23	2,494.75	1.00	Magn MWD	Phoenix Directional	0.45	2,495. 23	0.90	N
13,461	91.20	1.20	11,052.04	2,584.99	-28.95	2,584.72	0.87	Magn MWD	Phoenix Directional	0.67	2,585. 15	-0.56	N
13,550	89.80	0.90	11,051.26	2,673.97	-27.32	2,673.71	1.61	Magn MWD	Phoenix Directional	-1.57	2,674. 11	-0.34	N
13,639	87.60	0.10	11,053.28	2,762.94	-26.54	2,762.68	2.63	Magn MWD	Phoenix Directional	-2.47	2,763. 07	-0.90	N
13,729	88.00	0.80	11,056.73	2,852.87	-25.84	2,852.61	0.90	Magn MWD	Phoenix Directional	0.44	2,852. 99	0.78	N
13,818	89.90	1.50	11,058.36	2,941.83	-24.05	2,941.58	2.28	Magn MWD	Phoenix Directional	2.13	2,941. 93	0.79	N
13,908	90.20	2.00	11,058.29	3,031.79	-21.30	3,031.56	0.65	Magn MWD	Phoenix Directional	0.33	3,031. 86	0.56	N
13,997	90.40	0.50	11,057.82	3,120.76	-19.36	3,120.55	1.70	Magn MWD	Phoenix Directional	0.22	3,120. 82	-1.69	N
14,087	90.30	0.10	11,057.27	3,210.76	-18.89	3,210.54	0.46	Magn MWD	Phoenix Directional	-0.11	3,210. 82	-0.44	N



Directional Survey

Well Name J KEATS 1-24-32 FED 040H		Lease J Keats 1-24-32	Field Name Triple X	Business Unit Mid-Continent	
Ground Elevation (ft) 3,607.00	Original RKB (ft) 3,632.00	Current RKB Elevation 3,632.00, 1/8/2014		Mud Line Elevation (ft)	Water Depth (ft)

Survey Data													
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Method	Survey Company	Build (°/100ft)	Depart (ft)	Turn (°/100ft)	Unuse d data
14,176	91.40	0.60	11,055.95	3,299.75	-18.35	3,299.53	1.36	Magn MWD	Phoenix Directional	1.24	3,299. 80	0.56	N
14,266	92.80	0.30	11,052.65	3,389.68	-17.64	3,389.47	1.59	Magn MWD	Phoenix Directional	1.56	3,389. 73	-0.33	N
14,355	93.20	359.10	11,047.99	3,478.56	-18.11	3,478.34	1.42	Magn MWD	Phoenix Directional	0.45	3,478. 60	403.15	N
14,444	93.30	0.10	11,042.95	3,567.41	-18.73	3,567.19	1.13	Magn MWD	Phoenix Directional	0.11	3,567. 46	- 403.37	N
14,534	91.00	1.30	11,039.57	3,657.33	-17.63	3,657.11	2.88	Magn MWD	Phoenix Directional	-2.56	3,657. 38	1.33	N
14,623	91.30	1.20	11,037.79	3,746.29	-15.69	3,746.09	0.36	Magn MWD	Phoenix Directional	0.34	3,746. 33	-0.11	N
14,713	91.10	0.90	11,035.90	3,836.26	-14.04	3,836.06	0.40	Magn MWD	Phoenix Directional	-0.22	3,836. 28	-0.33	N
14,802	91.20	0.90	11,034.11	3,925.23	-12.64	3,925.04	0.11	Magn MWD	Phoenix Directional	0.11	3,925. 25	0.00	N
14,899	89.50	1.30	11,033.52	4,022.21	-10.78	4,022.03	1.80	Magn MWD	Phoenix Directional	-1.75	4,022. 22	0.41	N
14,981	90.10	1.50	11,033.81	4,104.18	-8.77	4,104.01	0.77	Magn MWD	Phoenix Directional	0.73	4,104. 19	0.24	N
15,071	88.30	0.60	11,035.06	4,194.15	-7.12	4,193.99	2.24	Magn MWD	Phoenix Directional	-2.00	4,194. 16	-1.00	N
15,250	90.70	360.00	11,036.63	4,373.13	-6.19	4,372.97	1.38	Magn MWD	Phoenix Directional	1.34	4,373. 13	200.78	N
15,339	91.20	360.00	11,035.15	4,462.12	-6.19	4,461.96	0.56	Magn MWD	Phoenix Directional	0.56	4,462. 12	0.00	N
15,428	91.10	358.60	11,033.36	4,551.09	-7.27	4,550.92	1.58	Magn MWD	Phoenix Directional	-0.11	4,551. 10	-1.57	N
15,485	91.10	358.60	11,032.27	4,608.06	-8.67	4,607.88	0.00	Magn MWD	Phoenix Directional	0.00	4,608. 07	0.00	N