

Intent ☐ As Drilled ☒

JUN 24 2019

API #
30-015-44352

DISTRICT II-ARTESIA O.C.D.

Operator Name:	Property Name:	Well Number
Chevron USA Inc. (4323)	CICADA UNIT	18H

Kick Off Point (KOP)

UL M	Section 3	Township 26S	Range 27E	Lot	Feet 189	From N/S SOUTH	Feet 833	From E/W WEST	County EDDY
Latitude 32.064526					Longitude -104.184271			NAD NAD83/86	

First Take Point (FTP)

UL D	Section 10	Township 26S	Range 27E	Lot	Feet 365	From N/S NORTH	Feet 334	From E/W WEST	County EDDY
Latitude 32.063023					Longitude -104.185866			NAD NAD83/86	

Last Take Point (LTP)

UL M	Section 15	Township 26S	Range 27E	Lot	Feet 422	From N/S SOUTH	Feet 320	From E/W WEST	County EDDY
Latitude 32.036068					Longitude -104.185472			NAD NAD83/86	

Is this well the defining well for the Horizontal Spacing Unit?

☐ N

Is this well an infill well?

☐ Y

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 30-015-44367	Operator Name: Chevron USA Inc. (4323)	Property Name: CICADA UNIT	Well Number 13H
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KZ 06/29/2018

Well Name: CACADA UNIT 18H Lease: CACADA UNIT Field Name: Purple Sage
Latitude (°): 32° 3' 51.854" N Longitude (°): 104° 11' 1.601" W API: 3001544352
Directional Typ: Horizontal Min KO Depth (ftKB): 8,723.0 Min KO Depth (TVD) (ftKB): 8,678.0 Total Depth (ftKB): 19,554.00 TD Date: 2018/05/25
Bottom Hole Location
Northing (Y) (ft): Easting (X) (ft): UTM Grid Zone: Latitude (°): Longitude (°): Closure Dir (°): 10,500.00

Directional Surveys

Des: MWD Planned?: N Definitive?: N Note Correction:

Survey Data

Survey Company	Date	MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
Phoenix Directional	2/23/2018	170	169.99	0.79	69.45	1.16	0.41	1.1	0.46	0.46	40.85
Phoenix Directional	2/23/2018	263	262.99	0.43	108.17	2.02	0.53	2.03	0.57	-0.39	41.63
Phoenix Directional	2/23/2018	355	354.98	1.3	119.89	2.78	-0.1	3.26	0.96	0.95	12.74
Phoenix Directional	2/23/2018	439	438.96	1.37	133.71	3.53	-1.27	4.81	0.39	0.08	16.45
Phoenix Directional	5/2/2018	527	526.93	1.35	140.46	4	-2.8	6.23	0.18	-0.02	7.67
Phoenix Directional	5/2/2018	681	680.84	3.62	270.53	0.11	-4.15	2.53	2.99	1.47	84.46
Phoenix Directional	5/2/2018	773	772.55	5.43	274.27	-5.99	-3.8	-4.72	1.99	1.97	4.07
Phoenix Directional	5/2/2018	866	865.09	6	274.84	-13.61	-3.06	-13.95	0.62	0.61	0.61
Phoenix Directional	5/3/2018	960	958.48	6.98	279.48	-22.05	-1.71	-24.48	1.18	1.04	4.94
Phoenix Directional	5/3/2018	1,055	1,052.43	10	281.48	-32.69	0.89	-38.26	3.19	3.18	2.11
Phoenix Directional	5/3/2018	1,150	1,145.86	10.85	279.85	-45.74	4.06	-55.15	0.95	0.89	-1.72
Phoenix Directional	5/3/2018	1,244	1,238.26	10.33	281.38	-58.85	7.23	-72.13	0.63	-0.55	1.63
Phoenix Directional	5/3/2018	1,339	1,331.82	9.62	281.59	-71.18	10.51	-88.26	0.75	-0.75	0.22
Phoenix Directional	5/3/2018	1,433	1,424.35	10.68	276.68	-84.04	13.1	-104.61	1.45	1.13	-5.22
Phoenix Directional	5/3/2018	1,528	1,517.70	10.74	275.68	-98.29	15	-122.16	0.21	0.06	-1.05
Phoenix Directional	5/3/2018	1,623	1,611.20	9.62	281.47	-111.43	17.46	-138.75	1.6	-1.18	6.09
Phoenix Directional	5/3/2018	1,718	1,705.08	8.06	287.35	-121.89	21.02	-152.88	1.9	-1.64	6.19
Phoenix Directional	5/3/2018	1,812	1,798.03	9.04	280.44	-131.98	24.32	-166.44	1.51	1.04	-7.35
Phoenix Directional	5/3/2018	1,907	1,891.70	10.15	273.45	-144.64	26.18	-182.13	1.69	1.17	-7.36
Phoenix Directional	5/3/2018	2,002	1,985.25	9.91	272.78	-158.5	27.08	-198.65	0.28	-0.25	-0.71
Phoenix Directional	5/3/2018	2,096	2,078.03	8.59	273.11	-171.18	27.85	-213.74	1.41	-1.4	0.35
Phoenix Directional	5/4/2018	2,191	2,171.78	10.02	274.16	-183.96	28.84	-229.07	1.52	1.51	1.11
Phoenix Directional	5/4/2018	2,286	2,265.19	10.94	276.03	-198.09	30.39	-246.28	1.03	0.97	1.97
Phoenix Directional	5/4/2018	2,380	2,357.54	10.59	276.87	-212.21	32.36	-263.72	0.41	-0.37	0.89
Phoenix Directional	5/4/2018	2,475	2,450.88	10.87	279.24	-226.14	34.84	-281.23	0.55	0.29	2.49
Phoenix Directional	5/4/2018	2,570	2,544.16	10.97	280.31	-239.97	37.89	-298.97	0.24	0.11	1.13
Phoenix Directional	5/4/2018	2,665	2,637.44	10.83	277.02	-253.99	40.6	-316.72	0.67	-0.15	-3.46
Phoenix Directional	5/4/2018	2,759	2,729.71	11.23	277.06	-268.34	42.81	-334.57	0.43	0.43	0.04
Phoenix Directional	5/4/2018	2,854	2,822.89	11.23	277.46	-283.07	45.15	-352.92	0.08	0	0.42
Phoenix Directional	5/4/2018	2,949	2,916.04	11.41	277.36	-297.88	47.55	-371.41	0.19	0.19	-0.11
Phoenix Directional	5/4/2018	3,044	3,009.13	11.58	280.24	-312.62	50.45	-390.11	0.63	0.18	3.03
Phoenix Directional	5/4/2018	3,139	3,102.46	9.95	279.38	-326.25	53.48	-407.6	1.72	-1.72	-0.91
Phoenix Directional	5/4/2018	3,233	3,195.39	7.24	276.99	-337.26	55.53	-421.49	2.91	-2.88	-2.54
Phoenix Directional	5/4/2018	3,328	3,289.66	6.99	278.57	-346.56	57.12	-433.15	0.33	-0.26	1.66
Phoenix Directional	5/4/2018	3,422	3,382.95	7.17	279.64	-355.55	58.95	-444.59	0.24	0.19	1.14
Phoenix Directional	5/4/2018	3,517	3,477.16	7.59	280	-364.92	61.03	-456.61	0.44	0.44	0.38
Phoenix Directional	5/4/2018	3,611	3,570.32	7.73	281.61	-374.4	63.38	-468.92	0.27	0.15	1.71
Phoenix Directional	5/4/2018	3,706	3,664.46	7.69	282.45	-383.87	66.04	-481.38	0.13	-0.04	0.88
Phoenix Directional	5/4/2018	3,801	3,758.81	5.66	274.86	-392.4	67.81	-492.26	2.33	-2.14	-7.99
Phoenix Directional	5/4/2018	3,896	3,853.45	4.3	274.99	-399.17	68.51	-500.47	1.43	-1.43	0.14
Phoenix Directional	5/4/2018	3,990	3,947.27	2.92	264.97	-404.22	68.61	-506.37	1.61	-1.47	-10.66
Phoenix Directional	5/4/2018	4,085	4,042.20	1.19	230.83	-407.39	67.78	-509.55	2.15	-1.82	-35.94
Phoenix Directional	5/4/2018	4,180	4,137.18	1.46	168.41	-408.75	65.97	-510.07	1.47	0.28	-65.71
Phoenix Directional	5/5/2018	4,274	4,231.17	0.55	89.06	-408.73	64.8	-509.38	1.56	-0.97	-84.41
Phoenix Directional	5/5/2018	4,463	4,420.16	0.41	94.57	-407.38	64.76	-507.8	0.08	-0.07	2.92
Phoenix Directional	5/5/2018	4,653	4,610.16	0.46	203.41	-407.44	64.01	-507.42	0.37	0.03	57.28
Phoenix Directional	5/5/2018	4,842	4,799.15	0.56	241.67	-408.97	62.87	-508.53	0.18	0.05	20.24
Phoenix Directional	5/5/2018	5,031	4,988.15	0.32	250.16	-410.41	62.26	-509.84	0.13	-0.13	4.49
Phoenix Directional	5/5/2018	5,220	5,177.15	0.32	228.1	-411.45	61.72	-510.73	0.06	0	-11.67
Phoenix Directional	5/5/2018	5,409	5,366.14	0.62	214.7	-412.89	60.53	-511.71	0.17	0.16	-7.09
Phoenix Directional	5/5/2018	5,598	5,555.12	0.97	200.28	-415.04	58.19	-512.85	0.21	0.19	-7.63
Phoenix Directional	5/6/2018	5,787	5,744.10	0.86	248.31	-417.68	56.16	-514.72	0.4	-0.06	25.41
Phoenix Directional	5/6/2018	5,976	5,933.08	1.1	321.35	-419.35	57.06	-517.17	0.63	0.13	38.65
Phoenix Directional	5/7/2018	6,166	6,123.03	1.5	12.5	-417.95	60.91	-517.77	0.62	0.21	26.92
Phoenix Directional	5/7/2018	6,355	6,311.98	1.17	32.81	-414.56	64.95	-516.19	0.3	-0.17	10.75
Phoenix Directional	5/7/2018	6,544	6,500.95	1.15	96.77	-411.32	66.34	-513.26	0.65	-0.01	33.84
Phoenix Directional	5/7/2018	6,733	6,689.93	0.52	85.65	-409.03	66.19	-510.52	0.34	-0.33	-5.88
Phoenix Directional	5/7/2018	6,923	6,879.92	0.78	123.29	-407.67	65.54	-508.58	0.26	0.14	19.81
Phoenix Directional	5/7/2018	7,112	7,068.90	0.96	172.74	-407.71	63.26	-507.3	0.39	0.1	26.16
Phoenix Directional	5/7/2018	7,302	7,258.83	2.18	174.79	-409.84	58.09	-506.78	0.64	0.64	1.08
Phoenix Directional	5/7/2018	7,491	7,447.67	2.48	191.57	-414.06	50.5	-507.27	0.39	0.16	8.88
Phoenix Directional	5/7/2018	7,680	7,636.53	1.97	181.02	-418.44	43.25	-508.15	0.35	-0.27	-5.58
Phoenix Directional	5/7/2018	8,058	8,014.42	1.27	100.75	-418.62	35.97	-504.15	0.57	-0.19	-21.24
Phoenix Directional	5/7/2018	8,247	8,203.31	2.52	123.71	-415.19	33.27	-498.63	0.76	0.66	12.15
Phoenix Directional	5/7/2018	8,405	8,361.12	3.19	149.18	-413.59	27.57	-493.49	0.9	0.42	16.12
Phoenix Directional	5/7/2018	8,527	8,482.99	2.16	178.73	-414.65	22.35	-491.7	1.38	-0.84	24.22
Phoenix Directional	5/7/2018	8,574	8,529.96	2.68	254.39	-416.14	21.17	-492.74	6.37	1.11	160.98
Phoenix Directional	5/7/2018	8,622	8,577.91	2.47	250.64	-418.24	20.53	-494.8	0.56	-0.44	-7.81
Phoenix Directional	5/7/2018	8,669	8,624.81	5.39	197.29	-420.86	18.08	-496.41	9.33	6.21	-113.51
Phoenix Directional	5/7/2018	8,716	8,671.21	12.41	188.8	-425.65	10.98	-497.84	15.16	14.94	-18.06
Phoenix Directional	5/7/2018	8,763	8,716.38	19.46	187.38	-433.58	-1.8	-499.62	15.02	15	-3.02
Phoenix Directional	5/7/2018	8,811	8,760.84	24.76	186.39	-444.41	-19.73	-501.77	11.07	11.04	-2.06
Phoenix Directional	5/7/2018	8,858	8,802.54	30.06	185.44	-457.08	-41.24	-503.98	11.31	11.28	-2.02
Phoenix Directional	5/7/2018	8,952	8,879.89	39.03	182.99	-486.91	-94.35	-507.76	9.65	9.54	-2.61
Phoenix Directional	5/7/2018	8,999	8,915.79	41.38	181.91	-503.18	-124.66	-509.05	5.22	5	-2.3
Phoenix Directional	5/7/2018	9,094	8,986.95	41.63	177.81	-534.51	-187.58	-508.89	2.87	0.26	-4.32

Phoenix Directional	5/7/2018	9,141	9,021.37	44.17	177.2	-549.28	-219.54	-507.5	5.48	5.4	-1.3
Phoenix Directional	5/7/2018	9,188	9,053.31	50.16	176.3	-564.77	-253.94	-505.53	12.82	12.74	-1.91
Phoenix Directional	5/7/2018	9,235	9,082.63	52.66	175.52	-580.82	-290.57	-502.91	5.47	5.32	-1.66
Phoenix Directional	5/7/2018	9,283	9,109.75	58.49	175.54	-597.87	-330.03	-499.82	12.15	12.15	0.04
Phoenix Directional	5/7/2018	9,330	9,132.26	64.26	176.25	-615.89	-371.16	-496.88	12.35	12.28	1.51
Phoenix Directional	5/7/2018	9,377	9,150.78	69.3	177.66	-635.47	-414.28	-494.59	11.07	10.72	3
Phoenix Directional	5/7/2018	9,424	9,165.64	73.83	178.69	-656.52	-458.83	-493.18	9.86	9.64	2.19
Phoenix Directional	5/7/2018	9,471	9,177.78	76.23	179.18	-678.49	-504.23	-492.34	5.2	5.11	1.04
Phoenix Directional	5/7/2018	9,565	9,190.18	88.59	180.77	-724.97	-597.22	-492.31	13.25	13.15	1.69
Phoenix Directional	5/7/2018	9,758	9,196.86	87.44	177.47	-818.82	-790.05	-489.35	1.81	-0.6	-1.71
Phoenix Directional	5/7/2018	9,947	9,204.45	87.96	177.12	-905.42	-978.69	-480.44	0.33	0.28	-0.19
Phoenix Directional	5/7/2018	10,136	9,206.43	90.84	176.5	-990.65	-1,167.36	-469.93	1.56	1.52	-0.33
Phoenix Directional	5/7/2018	10,231	9,205.66	90.08	178.49	-1,034.50	-1,262.26	-465.77	2.24	-0.8	2.09
Phoenix Directional	5/7/2018	10,325	9,205.59	90.01	177.76	-1,078.82	-1,356.21	-462.7	0.78	-0.07	-0.78
Phoenix Directional	5/7/2018	10,420	9,206.54	88.84	180.84	-1,125.30	-1,451.19	-461.54	3.47	-1.23	3.24
Phoenix Directional	5/7/2018	10,515	9,209.74	87.31	180.94	-1,174.04	-1,546.12	-463.01	1.61	-1.61	0.11
Phoenix Directional	5/7/2018	10,609	9,213.68	87.88	178.94	-1,220.91	-1,640.03	-462.91	2.21	0.61	-2.13
Phoenix Directional	5/7/2018	10,704	9,216.72	88.45	177.35	-1,265.70	-1,734.93	-459.84	1.78	0.6	-1.67
Phoenix Directional	5/7/2018	10,799	9,218.97	88.84	177.09	-1,309.14	-1,829.79	-455.23	0.49	0.41	-0.27
Phoenix Directional	5/7/2018	10,893	9,221.36	88.25	176.55	-1,351.54	-1,923.62	-450.02	0.85	-0.63	-0.57
Phoenix Directional	5/7/2018	10,988	9,224.51	87.95	177.85	-1,394.94	-2,018.45	-445.38	1.4	-0.32	1.37
Phoenix Directional	5/7/2018	11,083	9,227.54	88.39	179.55	-1,440.53	-2,113.37	-443.23	1.85	0.46	1.79
Phoenix Directional	5/7/2018	11,177	9,230.75	87.7	178.72	-1,486.27	-2,207.30	-441.81	1.15	-0.73	-0.88
Phoenix Directional	5/7/2018	11,272	9,230.85	92.18	181.58	-1,533.97	-2,302.27	-442.06	5.59	4.72	3.01
Phoenix Directional	5/7/2018	11,367	9,227.32	92.07	181.57	-1,583.68	-2,397.17	-444.67	0.12	-0.12	-0.01
Phoenix Directional	5/7/2018	11,461	9,224.14	91.81	181.22	-1,632.62	-2,491.09	-446.96	0.46	-0.28	-0.37
Phoenix Directional	5/7/2018	11,558	9,222.67	89.42	179.45	-1,701.80	-2,628.06	-447.76	2.17	-1.74	-1.29
Phoenix Directional	5/7/2018	11,693	9,223.61	89.45	179.02	-1,748.19	-2,723.05	-446.49	0.45	0.03	-0.45
Phoenix Directional	5/7/2018	11,785	9,224.45	89.5	179.15	-1,792.91	-2,815.03	-445.02	0.15	0.05	0.14
Phoenix Directional	5/7/2018	11,878	9,225.46	89.25	179.84	-1,838.70	-2,908.02	-444.2	0.79	-0.27	0.74
Phoenix Directional	5/7/2018	11,971	9,226.41	89.58	178.89	-1,884.30	-3,001.01	-443.17	1.08	0.35	-1.02
Phoenix Directional	5/7/2018	12,063	9,226.87	89.85	178.96	-1,928.80	-3,092.99	-441.44	0.3	0.29	0.08
Phoenix Directional	5/7/2018	12,156	9,227.77	89.04	179.13	-1,973.95	-3,185.98	-439.89	0.89	-0.87	0.18
Phoenix Directional	5/7/2018	12,249	9,229.42	88.93	179.07	-2,019.17	-3,278.95	-438.43	0.13	-0.12	-0.06
Phoenix Directional	5/7/2018	12,341	9,231.46	88.53	179.35	-2,064.05	-3,370.92	-437.16	0.53	-0.43	0.3
Phoenix Directional	5/7/2018	12,436	9,233.95	88.46	178.51	-2,109.99	-3,465.87	-435.39	0.89	-0.07	-0.88
Phoenix Directional	5/7/2018	12,530	9,236.63	88.28	179.09	-2,155.26	-3,559.81	-433.42	0.65	-0.19	0.62
Phoenix Directional	5/7/2018	12,625	9,239.69	88.02	178.95	-2,201.32	-3,654.75	-431.8	0.31	-0.27	-0.15
Phoenix Directional	5/7/2018	12,719	9,243.02	87.93	178.98	-2,246.82	-3,748.67	-430.1	0.1	-0.1	0.03
Phoenix Directional	5/7/2018	12,815	9,246.84	87.5	179.58	-2,293.73	-3,844.59	-428.9	0.77	-0.45	0.63
Phoenix Directional	5/7/2018	12,910	9,249.52	89.27	178.25	-2,339.64	-3,939.53	-427.1	2.33	1.86	-1.4
Phoenix Directional	5/7/2018	13,005	9,250.45	89.61	177.89	-2,384.34	-4,034.47	-423.9	0.52	0.36	-0.38
Phoenix Directional	5/7/2018	13,099	9,251.28	89.38	177.88	-2,428.30	-4,128.40	-420.43	0.24	-0.24	-0.01
Phoenix Directional	5/7/2018	13,194	9,252.42	89.24	178.85	-2,473.43	-4,223.35	-417.72	1.03	-0.15	1.02
Phoenix Directional	5/7/2018	13,289	9,253.86	89.02	179.2	-2,519.52	-4,318.33	-416.1	0.44	-0.23	0.37
Phoenix Directional	5/7/2018	13,383	9,256.18	88.16	179.07	-2,565.27	-4,412.29	-414.69	0.93	-0.91	-0.14
Phoenix Directional	5/7/2018	13,478	9,259.25	88.13	179.72	-2,611.88	-4,507.23	-413.68	0.68	-0.03	0.68
Phoenix Directional	5/7/2018	13,573	9,262.04	88.51	178.04	-2,657.74	-4,602.17	-411.83	1.81	0.4	-1.77
Phoenix Directional	5/7/2018	13,668	9,265.23	87.64	176.59	-2,701.30	-4,697.01	-407.38	1.78	-0.92	-1.53
Phoenix Directional	5/7/2018	13,762	9,269.28	87.42	175.95	-2,742.87	-4,790.72	-401.27	0.72	-0.23	-0.68
Phoenix Directional	5/7/2018	13,857	9,272.42	88.79	176.71	-2,784.98	-4,885.47	-395.19	1.65	1.44	0.8
Phoenix Directional	5/7/2018	13,952	9,271.95	91.78	177.69	-2,828.40	-4,980.35	-390.55	3.31	3.15	1.03
Phoenix Directional	5/7/2018	14,046	9,269.07	91.73	177.88	-2,872.20	-5,074.23	-386.92	0.21	-0.05	0.2
Phoenix Directional	5/7/2018	14,141	9,266.68	91.16	178.06	-2,916.74	-5,169.14	-383.56	0.63	-0.6	0.19
Phoenix Directional	5/21/2018	14,236	9,263.88	92.21	176.82	-2,960.50	-5,264.00	-379.32	1.71	1.11	-1.31
Phoenix Directional	5/21/2018	14,331	9,260.97	91.3	175.42	-3,002.30	-5,358.74	-372.89	1.76	-0.96	-1.47
Phoenix Directional	5/21/2018	14,426	9,257.68	92.67	176.41	-3,043.79	-5,453.43	-366.13	1.78	1.44	1.04
Phoenix Directional	5/21/2018	14,520	9,252.98	93.07	176.85	-3,085.87	-5,547.15	-360.61	0.63	0.43	0.47
Phoenix Directional	5/21/2018	14,615	9,248.38	92.47	175.56	-3,127.77	-5,641.83	-354.33	1.5	-0.63	-1.36
Phoenix Directional	5/21/2018	14,710	9,243.96	92.87	177.24	-3,169.97	-5,736.54	-348.37	1.82	0.42	1.77
Phoenix Directional	5/21/2018	14,804	9,239.11	93.04	179.02	-3,214.22	-5,830.36	-345.31	1.9	0.18	1.89
Phoenix Directional	5/21/2018	14,899	9,234.49	92.54	180.73	-3,261.49	-5,925.24	-345.1	1.87	-0.53	1.8
Phoenix Directional	5/21/2018	14,994	9,230.96	91.71	180.97	-3,310.17	-6,020.17	-346.51	0.91	-0.87	0.25
Phoenix Directional	5/21/2018	15,088	9,227.76	92.2	181.6	-3,358.95	-6,114.09	-348.61	0.85	0.52	0.67
Phoenix Directional	5/21/2018	15,183	9,223.03	93.5	181	-3,408.24	-6,208.94	-350.77	1.51	1.37	-0.63
Phoenix Directional	5/21/2018	15,278	9,217.81	92.81	181.73	-3,457.62	-6,303.77	-353.03	1.06	-0.73	0.77
Phoenix Directional	5/21/2018	15,373	9,213.66	92.19	181.33	-3,507.25	-6,398.65	-355.56	0.78	-0.65	-0.42
Phoenix Directional	5/21/2018	15,467	9,209.74	92.59	181.27	-3,556.04	-6,492.54	-357.69	0.43	0.43	-0.06
Phoenix Directional	5/22/2018	15,562	9,207.06	90.64	180.49	-3,604.78	-6,587.49	-359.15	2.21	-2.05	-0.82
Phoenix Directional	5/22/2018	15,657	9,205.07	91.76	177.39	-3,650.73	-6,682.44	-357.39	3.47	1.18	-3.26
Phoenix Directional	5/22/2018	15,752	9,202.80	90.98	180.89	-3,696.97	-6,777.38	-355.97	3.77	-0.82	3.68
Phoenix Directional	5/22/2018	15,846	9,201.40	90.73	180.86	-3,745.20	-6,871.36	-357.4	0.27	-0.27	-0.03
Phoenix Directional	5/22/2018	15,941	9,199.81	91.19	181.4	-3,794.31	-6,966.33	-359.28	0.75	0.48	0.57
Phoenix Directional	5/22/2018	16,036	9,198.14	90.82	180.58	-3,843.21	-7,061.30	-360.92	0.95	-0.39	-0.86
Phoenix Directional	5/22/2018	16,130	9,196.30	91.42	180.7	-3,891.11	-7,155.27	-361.97	0.65	0.64	0.13
Phoenix Directional	5/22/2018	16,225	9,194.02	91.34	180.13	-3,939.19	-7,250.24	-362.66	0.61	-0.08	-0.6
Phoenix Directional	5/22/2018	16,320	9,191.80	91.33	181.32	-3,987.71	-7,345.21	-363.86	1.25	-0.01	1.25
Phoenix Directional	5/22/2018	16,415	9,189.42	91.55	180.45	-4,036.46	-7,440.17	-365.32	0.94	0.23	-0.92
Phoenix Directional	5/22/2018	16,509	9,186.93	91.48	180.59	-4,084.18	-7,534.13	-366.18	0.17	-0.07	0.15
Phoenix Directional	5/22/2018	16,604	9,183.80	92.3	180.99	-4,132.79	-7,629.07	-367.49	0.96	0.86	0.42
Phoenix Directional	5/23/2018	16,699	9,181.57	90.39	180.43	-4,181.29	-7,724.03	-368.66	2.1	-2.01	-0.59
Phoenix Directional	5/23/2018	16,794	9,180.66	90.71	180.27	-4,229.29	-7,819.02	-369.24	0.38	0.34	-0.17
Phoenix Directional	5/23/2018	16,888	9,178.65	91.74	180.56	-4,276.86	-7,913.00	-369.92	1.14	1.1	0.31
Phoenix Directional	5/23/2018	16,983	9,176.38	90.99	179.64	-4,324.49	-8,007.97	-370.09	1.25	-0.79	-0.97
Phoenix Directional	5/23/2018	17,077	9,175.80	89.72	179.05	-4,370.56	-8,101.96	-369.01	1.49	-1.35	-0.63
Phoenix Directional	5/23/2018	17,172	9,176.13	89.88	178.42	-4,416.23	-8,196.93	-366.92	0.68	0.17	-0.66

Phoenix Directional	5/23/2018	17,267	9,175.64	90.71	178.57	-4,461.55	-8,291.90	-364.42	0.89	0.87	0.16
Phoenix Directional	5/24/2018	17,362	9,176.13	88.7	178.8	-4,507.15	-8,386.87	-362.24	2.13	-2.12	0.24
Phoenix Directional	5/24/2018	17,456	9,178.71	88.16	177.62	-4,551.56	-8,480.79	-359.31	1.38	-0.57	-1.26
Phoenix Directional	5/24/2018	17,551	9,181.44	88.55	177.92	-4,595.81	-8,575.67	-355.61	0.52	0.41	0.32
Phoenix Directional	5/24/2018	17,645	9,184.14	88.15	179.27	-4,640.78	-8,669.60	-353.31	1.5	-0.43	1.44
Phoenix Directional	5/24/2018	17,740	9,186.87	88.56	179.51	-4,687.38	-8,764.56	-352.3	0.5	0.43	0.25
Phoenix Directional	5/24/2018	17,834	9,189.37	88.39	179.33	-4,733.54	-8,858.52	-351.35	0.26	-0.18	-0.19
Phoenix Directional	5/24/2018	17,929	9,192.98	87.26	178	-4,779.07	-8,953.42	-349.14	1.84	-1.19	-1.4
Phoenix Directional	5/24/2018	18,024	9,196.23	88.81	177.72	-4,823.44	-9,048.30	-345.59	1.66	1.63	-0.29
Phoenix Directional	5/24/2018	18,119	9,196.09	91.36	180.36	-4,869.55	-9,143.27	-344	3.86	2.68	2.78
Phoenix Directional	5/24/2018	18,214	9,193.61	91.64	179.69	-4,917.07	-9,238.24	-344.04	0.76	0.29	-0.71
Phoenix Directional	5/24/2018	18,308	9,192.08	90.22	180.77	-4,964.38	-9,332.22	-344.42	1.9	-1.51	1.15
Phoenix Directional	5/24/2018	18,403	9,192.38	89.42	180.56	-5,012.83	-9,427.21	-345.52	0.87	-0.84	-0.22
Phoenix Directional	5/24/2018	18,497	9,192.98	89.85	180.08	-5,060.29	-9,521.21	-346.05	0.69	0.46	-0.51
Phoenix Directional	5/24/2018	18,592	9,193.64	89.35	180.21	-5,107.99	-9,616.20	-346.29	0.54	-0.53	0.14
Phoenix Directional	5/25/2018	18,686	9,195.19	88.76	179.89	-5,155.06	-9,710.19	-346.37	0.71	-0.63	-0.34
Phoenix Directional	5/25/2018	18,781	9,196.44	89.73	180.27	-5,202.67	-9,805.18	-346.5	1.1	1.02	0.4
Phoenix Directional	5/25/2018	18,876	9,196.30	90.44	180.96	-5,251.05	-9,900.17	-347.52	1.04	0.75	0.73
Phoenix Directional	5/25/2018	18,970	9,197.51	88.09	179.94	-5,298.68	-9,994.16	-348.26	2.73	-2.5	-1.09
Phoenix Directional	5/25/2018	19,065	9,200.36	88.47	180.71	-5,346.62	-10,089.11	-348.8	0.9	0.4	0.81
Phoenix Directional	5/25/2018	19,159	9,202.48	88.95	181.13	-5,394.91	-10,183.07	-350.31	0.68	0.51	0.45
Phoenix Directional	5/25/2018	19,254	9,203.95	89.27	181.17	-5,444.05	-10,278.04	-352.21	0.34	0.34	0.04
Phoenix Directional	5/25/2018	19,348	9,205.22	89.18	181.54	-5,492.95	-10,372.01	-354.43	0.41	-0.1	0.39
Phoenix Directional	5/25/2018	19,443	9,207.34	88.27	180.81	-5,542.12	-10,466.96	-356.38	1.23	-0.96	-0.77
Phoenix Directional	5/25/2018	19,492	9,208.90	88.07	180.66	-5,567.15	-10,515.93	-357.01	0.51	-0.41	-0.31
Phoenix Directional	5/25/2018	19,554	9,210.99	88.07	180.66	-5,598.75	-10,577.89	-357.72	0	0	0