

RECEIVED

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

JAN 14 2020

Form C-102

Revised August 1, 2011

Submit one copy of appropriate District Office

☒ AMENDED REPORT
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45664		Pool Code 98220	Pool Name Purple Sage; Wolfcamp (Gas)
Property Code 323072	Property Name HAMBONE FEDERAL COM		Well Number 25H
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 2894.1'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	8	26-S	29-E		330	SOUTH	2443	WEST	EDDY

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
2	5	26-S	29-E		202	NORTH	2276	EAST	EDDY

Dedicated Acres 640	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

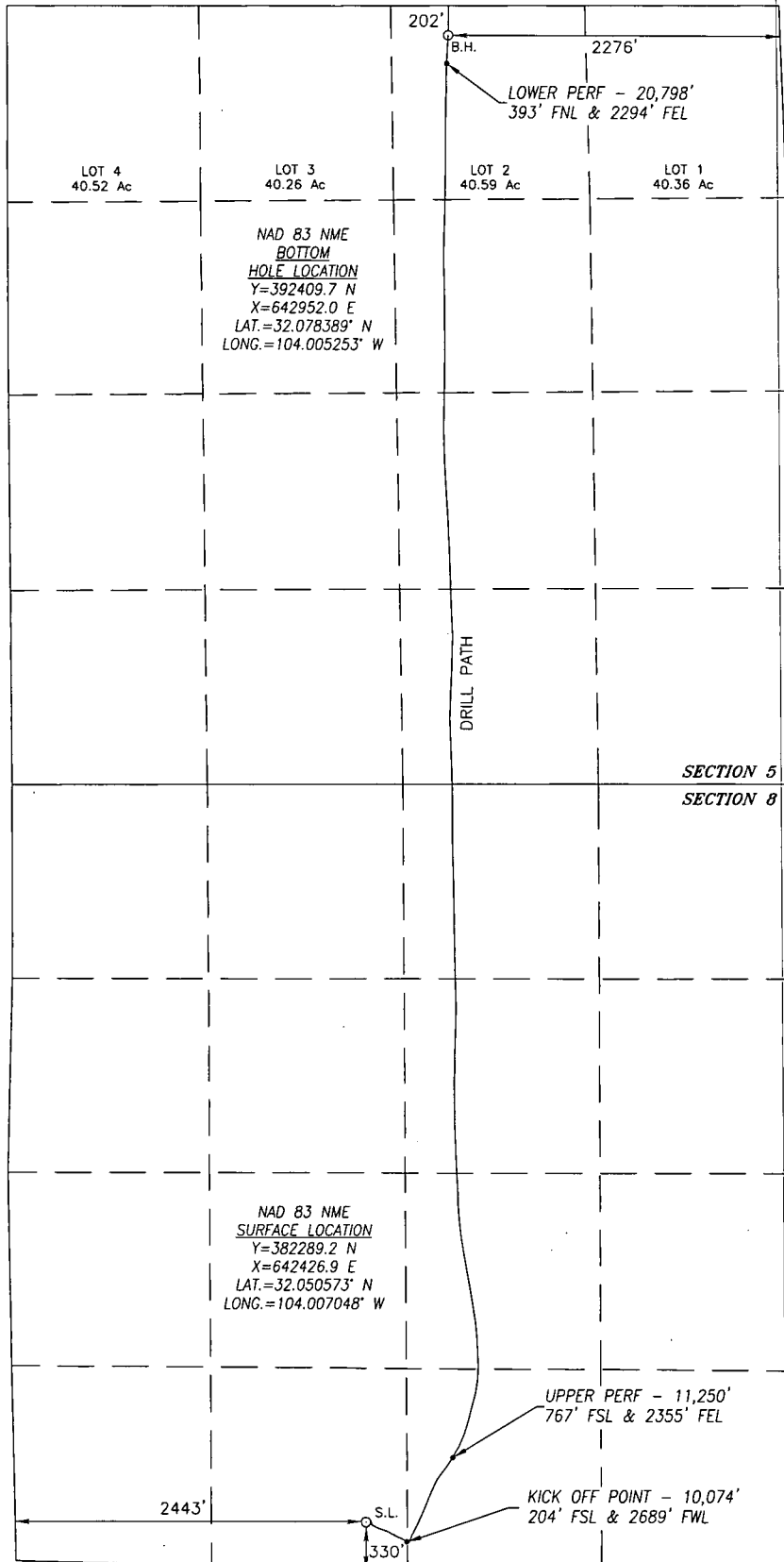
SEE PAGE 2

PAGE 1 OF 2

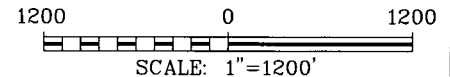
W.O. #19-1559

DRAWN BY: WN

Property Code 323072	Property Name HAMBONE FEDERAL COM	Well Number 26H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2894.1'



BOREPATH SHOWN HEREON IS BASED ON
DIRECTIONAL SURVEY REPORT PROVIDED BY
COG OPERATING, LLC FOR THE HAMBONE
FEDERAL COM #26H SUPPLIED TO HARCROW
SURVEYING, LLC ON AUGUST 19, 2019



OPERATOR CERTIFICATION

I hereby certify that the information
herein is true and complete to the best of
my knowledge and belief, and that this
organization either owns a working interest
or unleased 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 mineral or working interest,
or to a voluntary pooling agreement or a
compulsory pooling order heretofore entered
by the division.

Amanda Avery 9/12/19
Signature Date

Amanda Avery

Printed Name

aaavery@concho.com

E-mail Address

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.

MAR. 8, 2018/JAN. 15, 2019

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 00/00/19

Certificate No. CHAD HARCROW 17777

Intent ☐ As Drilled ☒

API #
30-015-45664

Operator Name: COG OPERATING, LLC	Property Name: HAMBONE FEDERAL COM	Well Number 26H
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Kick Off Point (KOP)

UL N	Section 8	Township 26S	Range 29E	Lot	Feet 204	From N/S SOUTH	Feet 2689	From E/W WEST	County EDDY
Latitude 32.050209					Longitude -104.006245			NAD 83	

First Take Point (FTP)

UL O	Section 8	Township 26S	Range 29E	Lot	Feet 767	From N/S SOUTH	Feet 2355	From E/W EAST	County EDDY
Latitude 32.051753					Longitude -104.005222			NAD 83	

Last Take Point (LTP)

UL 2	Section 5	Township 26S	Range 29E	Lot	Feet 393	From N/S NORTH	Feet 2294	From E/W EAST	County EDDY
Latitude 32.077865					Longitude -104.005288			NAD 83	

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

☒ Yes

Is this well an infill well?

☐

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

API #

Operator Name:	Property Name:	Well Number
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KZ 06/29/2018



MWD SURVEY CERTIFICATION
Gordon Technologies, LLC

RECEIVED

JAN 14 2020

EMNRD-OCD ARTESIA

State Of New Mexico
County Of Eddy

I, Stephen de Anda certify that; I am employed by Gordon Technologies, LLC.;
that I did on the day(s) of March 28, 2019 through March 29, 2019 conduct
or supervise the taking of a MWD survey from a depth of 11,242 feet to a depth of
11,397 feet; that the data is true, correct, complete and within the limitations of the
tool set forth by Gordon Technologies, LLC.; that I am authorized and qualified to make this report;
that this survey was conducted at the request of COG Operating LLC for the
Hambone Fed Com 26H Well, A.P.I. No. 30-015-4566401 in
Purple Sage Wolfcamp Field and that I have reviewed this report and find that
it conforms to the principles and procedures set forth by Gordon Technologies, LLC.

Signature

MWD Coordinator
Title



Directional Survey Report

Company: COG Operating LLC	Well Surface Location	Report Date: Apr 29 2019
Well: Hambone Fed Com 26H ST1	Latitude: 32° 3' 1.614227" N	Time: 15:04
County: Eddy	Longitude: 104° 0' 23.629888" W	Mag Reference: Grid North
State: New Mexico	Reference: NAD 1927	Mag Correction: 6.79
Field: Wildcat / Purple Sage Wolfcamp	Y (Northing): 382231.571	Vert Sect. Azi: 2.78
API: 30-015-45664	X (Easting): 601241.540	Perm Datum: Mean Sea Level
Rig: Nabors 894	Field Engr: Tyler Fulton	Depth Ref: Rotary Table
Service Co: Gordon Technologies LLC	Tari Jessie	RKB Height: 30
Job #: GT190309		GL Elev: 2894.50
Survey Calc: Minimum Curvature		

Survey Tie In	MD	Inc	Azimuth	TVD	VS	Rectangular Offsets		Course			Closure		Source
						NS	EW	Length	DLS	Temp	Distance	Azimuth	
	10050	4.39	121.31	10037.79	-118.88	-131.04	247.53	0	0	0	280.08	117.9	
1	10249.00	3.15	115.83	10236.36	-124.66	-137.38	258.96	199.00	0.65	0.00	293.14	117.95	NaborsSVY
2	10371.00	9.12	37.82	10357.74	-118.04	-131.19	267.92	122.00	7.38	0.00	298.31	116.09	NaborsSVY
3	10402.00	12.73	23.49	10388.18	-112.83	-126.11	270.79	31.00	14.49	0.00	298.72	114.97	NaborsSVY
4	10433.00	17.25	18.97	10418.12	-105.22	-118.63	273.65	31.00	15.04	0.00	298.25	113.44	NaborsSVY
5	10464.00	21.15	18.21	10447.39	-95.41	-108.97	276.89	31.00	12.62	0.00	297.56	111.48	NaborsSVY
6	10495.00	24.51	18.90	10475.96	-83.84	-97.57	280.72	31.00	10.87	0.00	297.19	109.17	NaborsSVY
7	10526.00	25.24	26.03	10504.09	-71.58	-85.54	285.71	31.00	9.95	0.00	298.24	106.67	NaborsSVY
8	10558.00	27.15	27.60	10532.80	-58.68	-72.94	292.08	32.00	6.34	0.00	301.05	104.02	NaborsSVY
9	10652.00	38.64	27.49	10611.59	-12.40	-27.74	315.65	94.00	12.23	0.00	316.86	95.02	NaborsSVY
10	10745.00	52.19	24.80	10676.73	48.33	31.65	344.60	93.00	14.71	0.00	346.05	84.75	NaborsSVY
11	10840.00	57.68	22.62	10731.29	120.94	102.83	375.81	95.00	6.07	0.00	389.62	74.70	NaborsSVY
12	10871.00	61.81	21.85	10746.90	146.18	127.61	385.93	31.00	13.49	0.00	406.49	71.70	NaborsSVY
13	10903.00	62.75	21.89	10761.79	172.95	153.90	396.49	32.00	2.94	0.00	425.31	68.79	NaborsSVY
14	10934.00	62.17	23.11	10776.13	198.82	179.29	407.00	31.00	3.96	0.00	444.75	66.23	NaborsSVY
15	11028.00	67.54	26.67	10816.06	277.59	256.41	442.85	94.00	6.67	0.00	511.73	59.93	NaborsSVY
16	11059.00	74.09	27.51	10826.24	304.25	282.46	456.18	31.00	21.28	0.00	536.55	58.23	NaborsSVY
17	11091.00	80.87	28.79	10833.17	332.46	309.99	470.92	32.00	21.54	0.00	563.79	56.64	NaborsSVY
18	11122.00	83.26	29.69	10837.45	359.95	336.78	485.91	31.00	8.20	0.00	591.21	55.27	NaborsSVY
19	11242.00	86.27	16.21	10848.46	471.85	446.56	532.36	120.00	11.46	164.35	694.85	50.01	MWD Run 1
20	11335.00	87.70	18.46	10853.35	561.74	535.20	560.03	93.00	2.86	176.71	774.65	46.30	MWD Run 1
21	11397.00	87.70	18.46	10855.84	621.38	593.97	579.65	62.00	0.00	0.00	829.93	44.30	MWD Run 1



MWD SURVEY CERTIFICATION
Gordon Technologies, LLC

State Of New Mexico

County Of Eddy

I, Stephen de Anda certify that; I am employed by Gordon Technologies, LLC.;
that I did on the day(s) of March 30, 2019 through April 23, 2019 conduct
or supervise the taking of a MWD survey from a depth of 11,064 feet to a depth of
20,932 feet; that the data is true, correct, complete and within the limitations of the
tool set forth by Gordon Technologies, LLC.; that I am authorized and qualified to make this report;
that this survey was conducted at the request of COG Operating LLC for the
Hambone Fed Com 26H Well, A.P.I. No. 30-015-4566401 in
Purple Sage Wolfcamp Field and that I have reviewed this report and find that
it conforms to the principles and procedures set forth by Gordon Technologies, LLC.

Signature

MWD Coordinator
Title



Directional Survey Report

Company: COG Operating LLC	Well Surface Location	Report Date: Apr 29 2019
Well: Hambone Fed Com 26H ST2	Latitude: 32° 3' 1.614227" N	Time: 16:04
County: Eddy	Longitude: 104° 0' 23.629888" W	Mag Reference: Grid North
State: New Mexico	Reference: NAD 1927	Mag Correction: 6.79
Field: Wildcat / Purple Sage Wolfcamp	Y (Northing): 382231.571	Vert Sect. Azi: 2.78
API: 30-015-4566401	X (Easting): 601241.540	Perm Datum: Mean Sea Level
Rig: Nabors 894	Field Engr: Tyler Fulton	Depth Ref: Rotary Table
Service Co: Gordon Technologies LLC	Tari Jessie	RKB Height: 30
Job #: GT190309		GL Elev: 2894.50
Survey Calc: Minimum Curvature		

Survey Tie In	MD	Inc	Azimuth	TVD	VS	Rectangular Offsets		Course Length	Closure				Source
						NS	EW		DLS	Temp	Distance	Azimuth	
1	11064.00	66.94	33.75	10830.01	307.02	285.07	459.53	360.00	18.21	160.82	540.77	58.19	MWD Run 2 ST2
2	11085.00	67.83	36.58	10838.09	323.39	300.91	470.69	210.00	13.14	164.35	558.66	57.41	MWD Run 2 ST2
3	11117.00	70.64	37.90	10849.43	348.05	324.73	488.80	320.00	9.59	166.12	586.83	56.40	MWD Run 2 ST2
4	11149.00	75.88	37.63	10858.65	373.15	348.94	507.56	320.00	16.39	167.88	615.94	55.49	MWD Run 2 ST2
5	11179.00	79.89	35.50	10864.94	397.52	372.50	525.02	300.00	15.06	169.65	643.74	54.64	MWD Run 2 ST2
6	11241.00	86.30	33.28	10872.39	449.92	423.27	559.76	62.00	10.93	157.29	701.77	52.91	MWD Run 3 ST2
7	11334.00	88.04	27.92	10876.99	532.04	503.19	607.02	93.00	6.05	164.35	788.46	50.34	MWD Run 3 ST2
8	11428.00	89.92	19.17	10878.67	619.83	589.26	644.53	94.00	9.52	174.94	873.29	47.56	MWD Run 3 ST2
9	11522.00	89.58	14.99	10879.08	710.89	679.09	672.13	94.00	4.46	178.47	955.47	44.70	MWD Run 3 ST2
10	11617.00	91.71	15.68	10878.01	803.61	770.70	697.25	95.00	2.36	182.00	1039.29	42.14	MWD Run 3 ST2
11	11711.00	92.21	12.71	10874.79	895.69	861.77	720.28	94.00	3.20	180.24	1123.14	39.89	MWD Run 3 ST2
12	11806.00	90.53	5.55	10872.52	990.01	955.47	735.34	95.00	7.74	185.53	1205.67	37.58	MWD Run 3 ST2
13	11899.00	90.45	359.13	10871.72	1082.96	1048.34	739.14	93.00	6.90	189.06	1282.71	35.19	MWD Run 3 ST2
14	11993.00	90.90	355.69	10870.61	1176.52	1142.22	734.89	94.00	3.69	194.35	1358.21	32.76	MWD Run 3 ST2
15	12088.00	91.60	358.15	10868.54	1271.00	1237.06	729.79	95.00	2.69	196.12	1436.28	30.54	MWD Run 3 ST2
16	12181.00	93.05	351.81	10864.76	1363.01	1329.57	721.66	93.00	6.99	197.88	1512.80	28.49	MWD Run 3 ST2
17	12276.00	93.98	350.52	10858.94	1455.89	1423.27	707.10	95.00	1.67	201.41	1589.24	26.42	MWD Run 3 ST2
18	12370.00	93.53	349.92	10852.78	1547.44	1515.70	691.17	94.00	0.80	203.18	1665.85	24.51	MWD Run 3 ST2
19	12464.00	93.87	351.71	10846.72	1639.20	1608.30	676.19	94.00	1.93	204.94	1744.67	22.80	MWD Run 3 ST2
20	12557.00	88.88	350.11	10844.48	1730.16	1700.07	661.51	93.00	5.63	201.41	1824.24	21.26	MWD Run 3 ST2
21	12651.00	88.07	349.92	10846.99	1821.80	1792.61	645.22	94.00	0.89	204.94	1905.20	19.80	MWD Run 3 ST2
22	12745.00	86.58	350.54	10851.37	1913.45	1885.15	629.28	94.00	1.72	201.41	1987.41	18.46	MWD Run 3 ST2
23	12839.00	89.64	352.09	10854.47	2005.51	1978.01	615.10	94.00	3.65	199.65	2071.44	17.27	MWD Run 3 ST2
24	12932.00	92.04	355.09	10853.11	2097.29	2070.40	604.72	93.00	4.13	203.18	2156.90	16.28	MWD Run 3 ST2
25	13026.00	92.27	359.49	10849.57	2190.77	2164.20	600.28	94.00	4.68	206.71	2245.91	15.50	MWD Run 3 ST2
26	13120.00	90.70	357.63	10847.14	2284.48	2258.13	597.92	94.00	2.59	210.24	2335.95	14.83	MWD Run 3 ST2
27	13214.00	90.62	357.13	10846.05	2378.05	2352.03	593.62	94.00	0.54	210.24	2425.78	14.16	MWD Run 3 ST2
28	13305.00	90.00	356.62	10845.56	2468.57	2442.89	588.66	91.00	0.88	212.00	2512.82	13.55	MWD Run 3 ST2
29	13400.00	90.78	357.37	10844.92	2563.08	2537.76	583.68	95.00	1.14	212.00	2604.01	12.95	MWD Run 3 ST2
30	13495.00	90.81	358.82	10843.60	2657.75	2632.69	580.52	95.00	1.53	206.71	2695.94	12.44	MWD Run 3 ST2
31	13589.00	91.32	359.94	10841.85	2751.57	2726.67	579.51	94.00	1.31	210.24	2787.57	12.00	MWD Run 3 ST2
32	13683.00	90.48	359.03	10840.37	2845.40	2820.65	578.66	94.00	1.32	210.24	2879.40	11.59	MWD Run 3 ST2
33	13778.00	90.36	359.89	10839.68	2940.24	2915.64	577.77	95.00	0.91	210.24	2972.34	11.21	MWD Run 3 ST2
34	13872.00	91.04	359.83	10838.53	3034.11	3009.64	577.54	94.00	0.73	208.47	3064.55	10.86	MWD Run 3 ST2
35	13967.00	91.76	1.13	10836.21	3129.00	3104.60	578.33	95.00	1.56	210.24	3158.01	10.55	MWD Run 3 ST2
36	14062.00	91.51	1.22	10833.50	3223.92	3199.54	580.28	95.00	0.28	210.24	3251.74	10.28	MWD Run 3 ST2
37	14157.00	91.74	1.51	10830.80	3318.86	3294.48	582.54	95.00	0.39	212.00	3345.59	10.03	MWD Run 3 ST2
38	14251.00	90.73	0.91	10828.78	3412.80	3388.43	584.52	94.00	1.25	213.76	3438.48	9.79	MWD Run 3 ST2
39	14346.00	89.38	359.63	10828.69	3507.70	3483.43	584.97	95.00	1.96	213.76	3532.20	9.53	MWD Run 3 ST2
40	14440.00	88.77	358.40	10830.20	3601.48	3577.40	583.36	94.00	1.46	215.53	3624.65	9.26	MWD Run 3 ST2
41	14534.00	89.08	358.72	10831.97	3695.21	3671.35	581.00	94.00	0.47	217.29	3717.04	8.99	MWD Run 3 ST2
42	14628.00	89.97	359.18	10832.75	3789.00	3765.33	579.27	94.00	1.07	217.29	3809.63	8.75	MWD Run 3 ST2
43	14722.00	89.27	358.48	10833.37	3882.77	3859.31	577.35	94.00	1.05	217.29	3902.26	8.51	MWD Run 3 ST2
44	14817.00	90.48	359.78	10833.58	3977.57	3954.30	575.91	95.00	1.87	217.29	3996.01	8.29	MWD Run 3 ST2
45	14911.00	87.17	359.21	10835.50	4071.39	4048.26	575.08	94.00	3.57	219.06	4088.90	8.09	MWD Run 3 ST2
46	15005.00	87.17	359.10	10840.15	4165.08	4142.13	573.70	94.00	0.12	217.29	4181.67	7.89	MWD Run 3 ST2
47	15099.00	90.03	359.82	10842.44	4258.89	4236.09	572.81	94.00	3.14	217.29	4274.64	7.70	MWD Run 3 ST2
48	15192.00	90.14	359.32	10842.30	4351.74	4329.09	572.12	93.00	0.55	215.53	4366.73	7.53	MWD Run 3 ST2

49	15287.00	89.58	357.76	10842.54	4446.48	4424.05	569.69	95.00	1.74	190.82	4460.58	7.34	MWD Run 4 ST2
50	15381.00	93.28	357.63	10840.19	4540.06	4517.93	565.92	94.00	3.94	196.12	4553.24	7.14	MWD Run 4 ST2
51	15476.00	93.90	358.55	10834.24	4634.56	4612.69	562.76	95.00	1.17	199.65	4646.89	6.96	MWD Run 4 ST2
52	15570.00	93.92	359.37	10827.83	4728.13	4706.46	561.05	94.00	0.87	201.41	4739.78	6.80	MWD Run 4 ST2
53	15664.00	90.84	0.27	10823.93	4821.91	4800.36	560.76	94.00	3.41	203.18	4833.00	6.66	MWD Run 4 ST2
54	15759.00	90.39	359.57	10822.91	4916.79	4895.36	560.63	95.00	0.88	204.94	4927.35	6.53	MWD Run 4 ST2
55	15853.00	90.00	358.81	10822.59	5010.60	4989.35	559.30	94.00	0.91	206.71	5020.60	6.40	MWD Run 4 ST2
56	15947.00	89.97	358.80	10822.61	5104.37	5083.33	557.34	94.00	0.03	210.24	5113.79	6.26	MWD Run 4 ST2
57	16041.00	89.44	358.05	10823.10	5198.10	5177.29	554.75	94.00	0.98	210.24	5206.92	6.12	MWD Run 4 ST2
58	16136.00	89.10	357.92	10824.31	5292.76	5272.22	551.41	95.00	0.38	212.00	5300.98	5.97	MWD Run 4 ST2
59	16230.00	89.10	356.68	10825.78	5386.32	5366.10	546.99	94.00	1.32	210.24	5393.91	5.82	MWD Run 4 ST2
60	16323.00	88.12	359.16	10828.04	5478.95	5459.01	543.61	93.00	2.87	212.00	5486.01	5.69	MWD Run 4 ST2
61	16418.00	90.62	1.99	10829.09	5573.85	5553.98	544.57	95.00	3.97	212.00	5580.61	5.60	MWD Run 4 ST2
62	16512.00	91.43	2.43	10827.40	5667.83	5647.89	548.19	94.00	0.98	215.53	5674.43	5.54	MWD Run 4 ST2
63	16604.00	91.32	2.64	10825.20	5759.81	5739.78	552.26	92.00	0.26	213.76	5766.28	5.50	MWD Run 4 ST2
64	16698.00	90.76	2.15	10823.49	5853.79	5833.68	556.19	94.00	0.79	217.29	5860.13	5.45	MWD Run 4 ST2
65	16792.00	90.92	2.32	10822.11	5947.77	5927.60	559.85	94.00	0.25	219.06	5953.98	5.40	MWD Run 4 ST2
66	16886.00	87.79	358.14	10823.17	6041.64	6021.56	560.23	94.00	5.55	217.29	6047.56	5.32	MWD Run 4 ST2
67	16979.00	86.78	357.74	10827.58	6134.20	6114.39	556.89	93.00	1.17	217.29	6139.70	5.20	MWD Run 4 ST2
68	17074.00	89.13	357.83	10830.97	6228.78	6209.25	553.22	95.00	2.48	217.29	6233.85	5.09	MWD Run 4 ST2
69	17168.00	90.39	358.01	10831.36	6322.44	6303.19	549.81	94.00	1.35	196.12	6327.12	4.99	MWD Run 5 ST2
70	17263.00	90.53	357.94	10830.60	6417.10	6398.13	546.45	95.00	0.16	199.65	6421.42	4.88	MWD Run 5 ST2
71	17356.00	90.70	358.12	10829.60	6509.77	6491.07	543.26	93.00	0.27	201.41	6513.76	4.78	MWD Run 5 ST2
72	17448.00	90.53	357.92	10828.61	6601.45	6583.00	540.08	92.00	0.29	189.06	6605.12	4.69	MWD Run 6 ST2
73	17541.00	90.76	357.34	10827.56	6694.07	6675.92	536.23	93.00	0.67	196.12	6697.42	4.59	MWD Run 6 ST2
74	17634.00	90.92	357.20	10826.20	6786.63	6768.80	531.80	93.00	0.23	197.88	6789.66	4.49	MWD Run 6 ST2
75	17729.00	90.25	356.72	10825.23	6881.13	6863.66	526.76	95.00	0.87	201.41	6883.85	4.39	MWD Run 6 ST2
76	17821.00	90.90	356.48	10824.31	6972.60	6955.50	521.31	92.00	0.75	204.94	6975.01	4.29	MWD Run 6 ST2
77	17914.00	90.98	356.21	10822.78	7065.00	7048.30	515.38	93.00	0.30	206.71	7067.11	4.18	MWD Run 6 ST2
78	18009.00	88.82	356.91	10822.95	7159.43	7143.12	509.68	95.00	2.39	206.71	7161.28	4.08	MWD Run 6 ST2
79	18104.00	88.94	357.83	10824.80	7253.99	7238.00	505.32	95.00	0.98	208.47	7255.62	3.99	MWD Run 6 ST2
80	18198.00	85.15	358.04	10829.65	7347.51	7331.80	501.94	94.00	4.04	210.24	7348.96	3.92	MWD Run 6 ST2
81	18292.00	87.03	358.27	10836.06	7440.98	7425.52	498.92	94.00	2.01	210.24	7442.27	3.84	MWD Run 6 ST2
82	18387.00	91.18	1.07	10837.54	7535.80	7520.48	498.38	95.00	5.27	196.12	7536.98	3.79	MWD Run 7 ST2
83	18481.00	91.96	1.91	10834.97	7629.74	7614.41	500.82	94.00	1.22	201.41	7630.86	3.76	MWD Run 7 ST2
84	18576.00	92.02	1.01	10831.67	7724.66	7709.32	503.24	95.00	0.95	204.94	7725.73	3.73	MWD Run 7 ST2
85	18670.00	91.65	0.51	10828.66	7818.55	7803.27	504.48	94.00	0.66	206.71	7819.56	3.70	MWD Run 7 ST2
86	18764.00	91.34	0.44	10826.21	7912.44	7897.23	505.26	94.00	0.34	208.47	7913.38	3.66	MWD Run 7 ST2
87	18859.00	91.01	359.90	10824.26	8007.32	7992.21	505.55	95.00	0.67	210.24	8008.18	3.62	MWD Run 7 ST2
88	18952.00	90.14	359.46	10823.32	8100.18	8085.20	505.03	93.00	1.05	210.24	8100.96	3.57	MWD Run 7 ST2
89	19046.00	89.24	359.54	10823.83	8194.02	8179.20	504.21	94.00	0.96	208.47	8194.72	3.53	MWD Run 7 ST2
90	19139.00	89.55	359.26	10824.81	8286.86	8272.19	503.23	93.00	0.45	212.00	8287.48	3.48	MWD Run 7 ST2
91	19233.00	89.44	359.28	10825.64	8380.68	8366.17	502.03	94.00	0.12	213.76	8381.22	3.43	MWD Run 7 ST2
92	19328.00	89.38	358.45	10826.62	8475.45	8461.15	500.15	95.00	0.88	212.00	8475.92	3.38	MWD Run 7 ST2
93	19422.00	87.93	358.91	10828.83	8569.18	8555.10	497.99	94.00	1.62	213.76	8569.58	3.33	MWD Run 7 ST2
94	19515.00	89.86	0.83	10830.62	8662.04	8648.07	497.78	93.00	2.93	197.88	8662.38	3.29	MWD Run 8 ST2
95	19609.00	90.22	1.11	10830.55	8755.99	8742.06	499.37	94.00	0.49	190.82	8756.31	3.27	MWD Run 9 ST2
96	19703.00	90.00	0.88	10830.37	8849.94	8836.04	501.00	94.00	0.34	197.88	8850.23	3.25	MWD Run 9 ST2
97	19797.00	88.99	1.26	10831.20	8943.90	8930.02	502.76	94.00	1.15	201.41	8944.16	3.22	MWD Run 9 ST2
98	19890.00	92.63	1.28	10829.89	9036.84	9022.97	504.82	93.00	3.91	201.41	9037.08	3.20	MWD Run 9 ST2
99	19985.00	93.67	0.94	10824.67	9131.65	9117.81	506.65	95.00	1.15	206.71	9131.88	3.18	MWD Run 9 ST2
100	20077.00	93.87	0.14	10818.62	9223.38	9209.61	507.52	92.00	0.89	208.47	9223.58	3.15	MWD Run 9 ST2
101	20172.00	93.95	0.26	10812.14	9318.07	9304.38	507.85	95.00	0.15	212.00	9318.23	3.12	MWD Run 9 ST2
102	20266.00	94.18	0.74	10805.48	9411.75	9398.14	508.67	94.00	0.57	212.00	9411.90	3.10	MWD Run 9 ST2
103	20360.00	95.41	0.33	10797.62	9505.35	9491.81	509.54	94.00	1.38	212.00	9505.48	3.07	MWD Run 9 ST2
104	20453.00	90.98	359.85	10792.44	9598.08	9584.64	509.69	93.00	4.79	213.76	9598.18	3.04	MWD Run 9 ST2
105	20549.00	91.04	0.80	10790.74	9693.98	9680.62	510.23	96.00	0.99	215.53	9694.06	3.02	MWD Run 9 ST2
106	20642.00	89.86	0.52	10790.01	9786.91	9773.61	511.30	93.00	1.30	217.29	9786.98	2.99	MWD Run 9 ST2
107	20735.00	90.36	1.75	10789.83	9879.87	9866.59	513.15	93.00	1.43	219.06	9879.93	2.98	MWD Run 9 ST2
108	20829.00	89.55	1.99	10789.91	9973.86	9960.54	516.21	94.00	0.90	219.06	9973.91	2.97	MWD Run 9 ST2
109	20923.00	89.58	3.75	10790.62	10067.85	10054.42	520.92	94.00	1.87	220.82	10067.90	2.97	MWD Run 9 ST2
110	20932.00	89.47	3.85	10790.70	10076.85	10063.40	521.52	9.00	1.65	220.82	10076.90	2.97	MWD Run 9 ST2
111	20989.00	89.47	3.85	10791.22	10133.83	10120.27	525.34	57.00	0.00	0.00	10133.89	2.97	MWD Run 9 ST2