WR-35
Rev. 8/23/13

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47 - 095 - 02809 County Tyler District McElroy
Quad Shirley 7 1/2" Pad Name T1-03 Field/Pool Name
Farm name Donald J. & Judith A. Lisby Well Number 3
Operator (as registered with the OOG) 24610
Address 429 Simonton Road City Ellenboro State WV Zip 26346

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4366588.30 Easting 517042.71
Landing Point of Curve Northing 4366951.88 Easting 517390.48
Bottom Hole Northing 4365884.74 Easting 518673.52

Elevation (ft) 724.5 GL Type of Well ■New □ Existing Type of Report □Interim ■Final

Permit Type □ Deviated □ Horizontal ■ Horizontal 6A □ Vertical Depth Type □ Deep ■ Shallow

Type of Operation □ Convert □ Deepen ■ Drill □ Plug Back □ Redrilling □ Rework ■ Stimulate

Well Type □ Brine Disposal □ CBM ■ Gas ■ Oil □ Secondary Recovery □ Solution Mining □ Storage □ Other

Type of Completion □ Single ■ Multiple Fluids Produced ■ Brine ■Gas ■ NGL ■ Oil □ Other
Drilled with □ Cable ■ Rotary

Drilling Media Surface hole ■ Air □ Mud □Fresh Water Intermediate hole ■ Air □ Mud □ Fresh Water □ Brine
Production hole □ Air ■ Mud □ Fresh Water □ Brine

Mud Type(s) and Additive(s)
Synthetic Based Mud (SOBM), K-49 (Base Oil), Barite, Anco Mul P, Anco Mul OW, Anco Mul XL, Anco Mul Mod
Anco Mul OW Claytone 3, Lime, Calcium Chloride Powder, Phalt S, Mica, Cal-Carb

Date permit issued 8-9-2022 Date drilling commenced 9-22-2022 Date drilling ceased 2-8-2023
Date completion activities began 4-8-2023 Date completion activities ceased 5-21-2023
Verbal plugging (Y/N) N Date permission granted n/a Granted by n/a

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 65'-90' Open mine(s) (Y/N) depths N
Salt water depth(s) ft n/a Void(s) encountered (Y/N) depths N
Coal depth(s) ft n/a Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

APPROVED
Reviewed by:
12/01/2023
10/25/23

API 47- 095 - 02809 Farm name Donald J. & Judith A. Lisby Well number 3

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	24"	18.625"	88'	New	87.5# J-55	n/a	Grouted
Surface	17.5"	13.375"	349'	New	48# H-40	42'	Yes
Coal							
Intermediate 1	11"	8.625"	1,997'	New	24# J-55	1,952' - 291'	Yes
Intermediate 2							
Intermediate 3							
Production	7.875"	5.5"	12,595'	New	20# P-110	n/a	Yes
Tubing							
Packer type and depth set		n/a					

Comment Details Surface CTS with 20% OH excess / Intermediate 1 CTS with 30% OH excess / Production 300' from surface with 15 % OH excess

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft^3/sks)	Volume (ft^3)	Cement Top (MD)	WOC (hrs)
Conductor	Class A	n/a	n/a	n/a	n/a	CTS	8 hours
Surface	Class A	272	15.6	1.19	324	CTS	8 hours
Coal							
Intermediate 1	Class A	593	15.6	1.19	706	CTS	8 hours
Intermediate 2							
Intermediate 3							
Production	Class A	1918	14.5	1.19	2255	300'	8 hours
Tubing							

Drillers TD (ft) 12,617' Loggers TD (ft) 12,617'

Deepest formation penetrated Marcellus Plug back to (ft) n/a

Plug back procedure n/a

Kick off depth (ft) 6,329'

Check all wireline logs run ☐ caliper ☐ density ■ deviated/directional ☐ induction ☐ neutron ☐ resistivity ■ gamma ray ☐ temperature ☐ sonic

Well cored ☐ Yes ■ No Conventional Sidewall Were cuttings collected ■ Yes ☐ No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING

5.5" vertical centralizers every 500'/ horizontail and curve centralizers every other joint or one every 84'

8.625" int. casing bow spring centralizers ran every 400'

13.375" surface casing centralizing basket ran on 2nd joint and 2nd to last joint

WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ■ No DETAILS

WAS WELL COMPLETED OPEN HOLE? ☐ Yes ■ No DETAILS

WERE TRACERS USED ☐ Yes ■ No TYPE OF TRACER(S) USED

12/01/2023

API 47- 095 - 02809 Farm name Donald J. & Judith A. Lisby Well number T1-03-3

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	4-8-23	12514	12416	72	MARCELLUS
2	4-8-23	12384	12221	72	MARCELLUS
3	4-8-23	12146	11982	72	MARCELLUS
4	4-9-23	11939	11785	72	MARCELLUS
5	4-9-23	11750	11600	72	MARCELLUS
6	4-10-23	11562	11396	72	MARCELLUS
7	4-11-23	11342	11178	72	MARCELLUS
8	4-11-23	11129	10972	72	MARCELLUS
9	4-12-23	10920	10773	72	MARCELLUS
10	4-13-23	10730	10566	72	MARCELLUS
11	4-14-23	10494	10324	72	MARCELLUS
12	4-14-23	10276	10106	72	MARCELLUS
13	4-14-23	10058	9888	72	MARCELLUS
14	4-15-23	9847	9688	72	MARCELLUS
15	4-16-23	9654	9496	72	MARCELLUS
16	4-16-23	9444	9282	72	MARCELLUS

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
1	4-8-23	71	7081	6523	3651	334542	9837	N/A
2	4-8-23	70.3	7097	6516	5185	329660	9866	N/A
3	4-9-23	70.4	7044	6473	4379	325576	9408	N/A
4	4-10-23	70	6760	5461	5134	330987	9559	N/A
5	4-10-23	71.4	6726	5978	5158	337880	9834	N/A
6	4-11-23	74.3	6941	5895	4442	332792	9396	N/A
7	4-11-23	74.2	6879	6099	4577	332660	10112	N/A
8	4-12-23	71.6	6546	5821	5210	333100	10076	N/A
9	4-13-23	71.2	6725	5872	4960	330265	9517	N/A
10	4-13-23	74.4	6727	5934	5394	329226	9640	N/A
11	4-14-23	74.4	6752	5755	5337	332908	9343	N/A
12	4-14-23	73.4	6633	5931	5494	331000	9800	N/A
13	4-15-23	73.4	6630	6030	4676	326008	9238	N/A
14	4-15-23	74.1	6612	5844	5045	309270	9514	N/A
15	4-16-23	72.7	6600	5935	5048	333047	8930	N/A
16	4-16-23	74.3	6581	5509	4575	330940	8908	N/A

Please insert additional pages as applicable.

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API 47- 095 - 02809 Farm name Donald J. & Judith A. Lisby Well number T1-03-3

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
17	4-17-23	9230	9063	72	MARCELLUS
18	4-18-23	9020	8848	72	MARCELLUS
19	4-18-23	8741	8566	72	MARCELLUS
20	4-19-23	8532	8344	72	MARCELLUS
21	4-19-23	8310	8164	72	MARCELLUS
22	4-20-23	8127	7950	72	MARCELLUS
23	4-20-23	7914	7704	72	MARCELLUS
24	4-20-23	7656	7508	72	MARCELLUS
25	4-21-23	7470	7285	72	MARCELLUS
26	4-21-23	7212	7034	72	MARCELLUS

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
17	4-17-23	67.7	6174	5933	4988	326195	9275	N/A
18	4-18-23	74.8	6492	6041	4304	329663	9380	N/A
19	4-18-23	71.7	6699	6055	4611	330360	8339	N/A
20	4-19-23	72.3	6799	5793	5602	329000	8981	N/A
21	4-19-23	70.8	6681	5889	4116	327240	9272	N/A
22	4-20-23	70.4	6803	6007	4491	327540	8863	N/A
23	4-20-23	71.6	6538	5881	3811	336320	8848	N/A
24	4-21-23	71.8	6435	5805	4572	324120	8399	N/A
25	4-21-23	70.6	6471	6069	4039	330320	8178	N/A
26	4-22-23	70.7	6397	5789	4718	327640	8425	N/A

Please insert additional pages as applicable.

12/01/2023

10-25-23

API 47- 095 - 02809 Farm name Donald J. & Judith A. Lisby Well number 3

PRODUCING FORMATION(S)	DEPTHS			
Marcellus Shale (landing point)	6,396'	TVD	7,169'	MD
Marcellus Shale (bottom hole)	6,444'		12,617'	

Please insert additional pages as applicable.

GAS TEST ☐ Build up ☐ Drawdown ■ Open Flow OIL TEST ■ Flow ☐ Pump

SHUT-IN PRESSURE Surface 2916 psi Bottom Hole 2916 psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 5656.0 mcfpd Oil 180 bpd NGL 0 bpd Water 1176 bpd GAS MEASURED BY ☐ Estimated ■ Orifice ☐ Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H_2S, ETC)
SEE ATTACHED	0		0		SEE ATTACHED

Please insert additional pages as applicable.

Drilling Contractor Falcon Drilling LLC
Address 102 Broadway Street, Suite 300 City Carnegie State PA Zip 15106

Logging Company Stratagraph NE Inc
Address 116 Ellsworth Ave. City Marietta State OH Zip 45750

Cementing Company American Cementing
Address 1213 Stonecreek Road City New Philidelphia State OH Zip 44663

Stimulating Company ProFrac
Address 333 Shops Boulevard City Willow Park State TX Zip 76087
Please insert additional pages as applicable.

Completed by Andrew Neill - Drilling Manager, Filed by Emily Potesta Telephone (740) 885-9635
Signature Title Regulatory Agent Date 7/25/2023

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry 12/01/2023

10-25-23

WR-35 FORMATION DATA

PAD-WELL	T1-03 3			
ELEVATION	723			
PERMIT	47- 95-02809			
	TOP TVD	BOTTOM TVD		
Carroll Sand	387	424		
Murphy Sand	472	484		
1st Cow Run Sand	601	618		
Little Dunkard Sand	695	708		
Dunkard Sand	740	757		
sandstone	794	827		
2nd Cow Run Sand	932	961		
Gas Sand	1015	1062		
1st Salt	1082	1130		
2nd Salt	1258	1320		
3rd Salt	1424	1527		
Maxon	1610	1627		
Big Lime	1650	1735		
Big Injun	1740	1903		
Berea	2246	2248		
Gordon	2480	2497		
Fifth	2685	2694		
Warren	3167	3207		
Riley	4130	4142		
Benson	4779	4783	Gas show	
Alexander	5037	5091		
Hamilton	5307	5615		
Upper Marcellus (Geneseo)	6285	6319		
Purcell (Tully Lm)	6319	6323		
Marcellus	6365		Gas show	
Cherry Valley	6396			
Onondaga				

12/01/2023

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/8/2023
Job End Date:	4/22/2023
State:	West Virginia
County:	Tyler
API Number:	47-095-02809-00-00
Operator Name:	Jay-Bee Oil & Gas, Inc.
Well Name and Number:	T1-03-3
Latitude:	39.44868500
Longitude:	-80.80192700
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,435
Total Base Water Volume (gal):	10,164,798
Total Base Non Water Volume:	0

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	JayBee	Carrier/Base Fluid					
			Water	7732-18-5	100.00000	90.23078	None
Sand (40/70 Mesh Proppant)	ProFrac	Proppant					
			Silica Substrate	14808-60-7	100.00000	3.85476	None
Sand (100 Mesh Proppant)	ProFrac	Proppant					
			Silica Substrate	14808-60-7	100.00000	3.66494	None
Sand (30/50 Mesh Proppant)	ProFrac	Proppant					
			Silica Substrate	14808-60-7	100.00000	0.92621	None
Sand (20/40 Mesh Ceramic)	ProFrac	Proppant					
			Silica Substrate	14808-60-7	100.00000	0.69317	None
Hydrochloric Acid (15%)	CNR	Acidizing					
			Water	7732-18-5	85.00000	0.41721	None
			Hydrochloric Acid (Hydrogen Chloride)	7647-01-0	37.00000	0.18161	None
ProSlick 373	ProFrac	Friction Reducer					

			Petroleum distillates, hydrotreated light	64742-47-8	30.00000	0.02456	None
			Ethoxylated Alcohol	68551-12-2	5.00000	0.00409	None
BioSuite GQ123x	BioSuite	Biocide					
			Glutaral	111-30-8	15.00000	0.00420	None
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	5.00000	0.00140	None
Acid Pack Pro LT	ProFrac	Hydrochloric Acid Additive / Corrosion Inhibitor					
			Proprietary Blend	Proprietary	60.00000	0.00122	None
			Ethylene Glycol	107-21-1	30.00000	0.00061	None
ProSlick 302	ProFrac	Friction Reducer					
			Petroleum distillates, hydrotreated light	64742-47-8	20.00000	0.00114	None
			Oleic Acid Diethanolamide	93-83-4	5.00000	0.00028	None
			Ammonium chloride ((NH4)Cl)	12125-02-9	5.00000	0.00028	None
			Alcohols, C12-16, ethoxylated	68551-12-2	1.50000	0.00009	None
ProChek 170	ProFrac	Scale Inhibitor					
			Methyl alcohol	67-56-1	5.00000	0.00108	None
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
Other Chemical(s)	Listed Above	See Trade Name(s) List					
			Water	7732-18-5	85.00000	0.41721	
			Ethoxylated Alcohol	68551-12-2	5.00000	0.00409	
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	5.00000	0.00140	
			Ethylene Glycol	107-21-1	30.00000	0.00061	
			Oleic Acid Diethanolamide	93-83-4	5.00000	0.00028	
			Ammonium chloride ((NH4)Cl)	12125-02-9	5.00000	0.00028	
			Alcohols, C12-16, ethoxylated	68551-12-2	1.50000	0.00009	

* Total Water Volume sources may include fresh water, produced water, and/or recycled water
** Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

PHOENIX TECHNOLOGY SERVICES

Company: Jay Bee Oil and Gas, LLC
Well: T1-03-3
Location: Tyler, West Virginia
Rig: Falcon 39
API No: 47-095-02809-00-00
Start Date: 01/25/23 Start Depth: 350

Job Number: 71214
Magnetic Declination: -7.62
Grid Correction: -0.83
Total Correction: -6.79
North reference: Grid
End Date: 02/06/23 End Depth: 12617

Calculation Method: Minimum Curvature
Proposed Azimuth: 114.63
Depth Ref: RKB 737.67 ft Plan # 3
Field: Appalachain, Marcellus
Location Lat/Long: 39.4486849 , -80.8019269

Survey Tool Type	Bit Depth (ft)	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Direction	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Local Coordinates (+N/-S) (ft)	Local Coordinates (+E/-W) (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')	Run #
TIP	333.67	333.67	1.04	240.82	S 60.8 W	0	333.62	-3.62	2.89	-2.66	0	0	0	0	0	0
1st Svy	470	384	1.28	238.02	S 58.0 W	50	383.94	-4.20	2.37	-3.54	4.26	303.83	0.49	0.48	-5.56	1
Velocity	512	426	1.34	239.32	S 59.3 W	42	425.93	-4.74	1.87	-4.36	4.74	293.24	0.16	0.14	3.10	1
Velocity	555	469	1.05	231.03	S 51.0 W	43	468.92	-5.20	1.37	-5.09	5.27	285.01	0.78	-0.67	-19.28	1
Velocity	597	511	0.79	238.86	S 58.9 W	42	510.91	-5.53	0.97	-5.64	5.73	279.80	0.69	-0.62	18.64	1
Velocity	639	553	0.48	273.93	N 86.1 W	42	552.91	-5.86	0.84	-6.06	6.12	277.86	1.15	-0.74	83.50	1
Velocity	681	595	0.57	340.73	N 19.3 W	42	594.91	-6.17	1.05	-6.31	6.40	279.41	1.39	0.21	159.05	1
Velocity	723	637	1.29	0.34	N 0.3 E	42	636.90	-6.51	1.72	-6.38	6.60	285.06	1.85	1.71	46.69	1
Velocity	765	679	2.20	4.16	N 4.2 E	42	678.88	-6.99	2.99	-6.31	6.99	295.36	2.18	2.17	9.10	1
Velocity	808	722	2.73	5.26	N 5.3 E	43	721.84	-7.62	4.84	-6.16	7.83	308.13	1.24	1.23	2.56	1
Velocity	850	764	3.37	7.22	N 7.2 E	42	763.78	-8.32	7.06	-5.91	9.21	320.04	1.54	1.52	4.67	1
Velocity	892	806	3.51	9.22	N 9.2 E	42	805.71	-9.03	9.55	-5.55	11.05	329.83	0.44	0.33	4.76	1
Velocity	934	848	3.67	8.70	N 8.7 E	42	847.63	-9.74	12.15	-5.14	13.19	337.05	0.39	0.38	-1.24	1
Velocity	977	891	3.82	11.33	N 11.3 E	43	890.53	-10.45	14.91	-4.65	15.62	342.67	0.53	0.35	6.12	1
Velocity	1019	933	3.70	12.71	N 12.7 E	42	932.44	-11.05	17.61	-4.08	18.07	346.95	0.36	-0.29	3.29	1
Velocity	1061	975	3.00	13.42	N 13.4 E	42	974.37	-11.54	20.00	-3.53	20.31	350.00	1.67	-1.67	1.69	1
Velocity	1103	1017	1.87	10.44	N 10.4 E	42	1016.33	-11.92	21.74	-3.15	21.97	351.76	2.71	-2.69	-7.10	1
Velocity	1145	1059	1.44	9.52	N 9.5 E	42	1058.32	-12.23	22.94	-2.94	23.12	352.70	1.03	-1.02	-2.19	1
Velocity	1188	1102	1.20	12.37	N 12.4 E	43	1101.30	-12.46	23.91	-2.75	24.07	353.44	0.58	-0.56	6.63	1
Velocity	1230	1144	0.99	7.86	N 7.9 E	42	1143.30	-12.66	24.70	-2.61	24.83	353.97	0.54	-0.50	-10.74	1
Velocity	1272	1186	0.79	11.38	N 11.4 E	42	1185.29	-12.83	25.34	-2.50	25.46	354.36	0.49	-0.48	8.38	1
Velocity	1314	1228	0.92	3.12	N 3.1 E	42	1227.29	-13.02	25.96	-2.42	26.07	354.66	0.43	0.31	-19.67	1
Velocity	1357	1271	0.94	355.50	N 4.5 W	43	1270.28	-13.32	26.66	-2.43	26.77	354.78	0.29	0.05	-17.72	1
Velocity	1399	1313	0.78	354.06	N 5.9 W	42	1312.28	-13.63	27.28	-2.49	27.40	354.79	0.38	-0.38	-3.43	1
Velocity	1441	1355	0.92	345.49	N 14.5 W	42	1354.27	-13.99	27.90	-2.60	28.02	354.67	0.45	0.33	-20.40	1
Velocity	1483	1397	1.05	343.19	N 16.8 W	42	1396.27	-14.46	28.59	-2.80	28.73	354.41	0.32	0.31	-5.48	1
Velocity	1526	1440	1.02	353.06	N 6.9 W	43	1439.26	-14.92	29.35	-2.96	29.50	354.24	0.42	-0.07	22.95	1
Velocity	1570	1484	1.18	19.62	N 19.6 E	44	1483.25	-15.17	30.16	-2.86	30.30	354.59	1.20	0.36	60.36	1
Velocity	1612	1526	1.20	41.02	N 41.0 E	42	1525.24	-15.08	30.90	-2.42	31.00	355.52	1.05	0.05	50.95	1
Velocity	1654	1568	1.16	44.03	N 44.0 E	42	1567.23	-14.81	31.54	-1.84	31.59	356.67	0.18	-0.10	7.17	1
Velocity	1697	1611	0.90	72.81	N 72.8 E	43	1610.23	-14.42	31.95	-1.21	31.98	357.83	1.33	-0.60	66.93	1
Velocity	1739	1653	0.94	91.26	S 88.7 E	42	1652.22	-13.86	32.04	-0.55	32.05	359.01	0.71	0.10	43.93	1
Velocity	1781	1695	1.29	105.81	S 74.2 E	42	1694.21	-13.07	31.91	0.25	31.91	0.44	1.07	0.83	34.64	1

Velocity	1824	1738	1.25	112.36	S 67.6 E	43	1737.20	-12.13	31.60	1.15	31.62	2.08	0.35	-0.09	15.23	1
Velocity	1866	1780	0.96	92.46	S 87.5 E	42	1779.19	-11.34	31.41	1.92	31.46	3.50	1.14	-0.69	-47.38	1
Velocity	1908	1822	0.75	66.10	N 66.1 E	42	1821.19	-10.83	31.50	2.52	31.60	4.58	1.05	-0.50	-62.76	1
Velocity	1950	1864	0.83	30.04	N 30.0 E	42	1863.19	-10.62	31.88	2.93	32.01	5.25	1.18	0.19	-85.86	1
Velocity	1992	1906	1.26	12.90	N 12.9 E	42	1905.18	-10.69	32.59	3.18	32.75	5.58	1.25	1.02	-40.81	1
Velocity	2034	1948	1.61	356.68	N 3.3 W	42	1947.17	-11.06	33.63	3.25	33.79	5.52	1.27	0.83	-38.62	1
Velocity	2105	2028	2.15	346.46	N 13.5 W	80	2027.12	-12.51	36.21	2.84	36.32	4.48	0.79	0.68	-12.78	2
Velocity	2148	2071	2.23	342.53	N 17.5 W	43	2070.09	-13.57	37.79	2.40	37.87	3.63	0.40	0.19	-9.14	2
Velocity	2190	2113	2.63	0.31	N 0.3 E	42	2112.05	-14.52	39.54	2.16	39.59	3.12	2.02	0.95	42.33	2
Velocity	2232	2155	4.33	20.83	N 20.8 E	42	2153.98	-15.02	41.98	2.72	42.07	3.71	4.96	4.05	48.86	2
Velocity	2274	2197	5.67	23.21	N 23.2 E	42	2195.82	-15.18	45.37	4.11	45.56	5.17	3.23	3.19	5.67	2
Velocity	2316	2239	5.82	22.56	N 22.6 E	42	2237.61	-15.30	49.24	5.74	49.58	6.65	0.39	0.36	-1.55	2
Velocity	2359	2282	5.78	22.64	N 22.6 E	43	2280.39	-15.46	53.26	7.41	53.77	7.92	0.09	-0.09	0.19	2
Velocity	2401	2324	6.63	26.57	N 26.6 E	42	2322.14	-15.45	57.38	9.31	58.13	9.22	2.26	2.02	9.36	2
Velocity	2443	2366	7.36	28.07	N 28.1 E	42	2363.83	-15.21	61.92	11.66	63.01	10.66	1.79	1.74	3.57	2
Velocity	2485	2408	8.25	26.62	N 26.6 E	42	2405.44	-14.94	66.99	14.28	68.49	12.03	2.17	2.12	-3.45	2
Velocity	2527	2450	9.61	25.28	N 25.3 E	42	2446.93	-14.80	72.85	17.12	74.84	13.23	3.28	3.24	-3.19	2
Velocity	2570	2493	11.10	23.65	N 23.7 E	43	2489.23	-14.83	79.89	20.32	82.43	14.27	3.53	3.47	-3.79	2
Velocity	2612	2535	12.50	21.20	N 21.2 E	42	2530.34	-15.17	87.83	23.58	90.94	15.03	3.54	3.33	-5.83	2
Velocity	2658	2581	13.38	19.34	N 19.3 E	46	2575.17	-15.96	97.49	27.15	101.20	15.56	2.12	1.91	-4.04	2
Velocity	2700	2623	14.08	19.28	N 19.3 E	42	2615.97	-16.88	106.90	30.44	111.15	15.90	1.67	1.67	-0.14	2
Velocity	2742	2665	14.97	19.00	N 19.0 E	42	2656.63	-17.89	116.85	33.89	121.67	16.18	2.13	2.12	-0.67	2
Velocity	2785	2708	16.40	19.75	N 19.8 E	43	2698.02	-18.95	127.82	37.75	133.28	16.46	3.36	3.33	1.74	2
Velocity	2827	2750	17.37	21.26	N 21.3 E	42	2738.21	-19.82	139.24	42.03	145.45	16.80	2.53	2.31	3.60	2
Velocity	2869	2792	18.28	22.70	N 22.7 E	42	2778.20	-20.41	151.16	46.85	158.25	17.22	2.41	2.17	3.43	2
Velocity	2911	2834	19.20	23.38	N 23.4 E	42	2817.97	-20.79	163.58	52.13	171.68	17.68	2.25	2.19	1.62	2
Velocity	2953	2876	20.42	24.42	N 24.4 E	42	2857.48	-20.96	176.59	57.90	185.84	18.15	3.02	2.90	2.48	2
Velocity	2996	2919	21.65	24.84	N 24.8 E	43	2897.62	-20.96	190.62	64.33	201.18	18.65	2.88	2.86	0.98	2
Velocity	3038	2961	22.70	24.65	N 24.7 E	42	2936.51	-20.93	205.01	70.97	216.95	19.09	2.51	2.50	-0.45	2
Velocity	3080	3003	23.62	23.09	N 23.1 E	42	2975.12	-21.15	220.12	77.65	233.41	19.43	2.63	2.19	-3.71	2
Velocity	3122	3045	24.53	21.20	N 21.2 E	42	3013.47	-21.90	235.99	84.10	250.53	19.61	2.84	2.17	-4.50	2
Velocity	3165	3088	24.30	19.73	N 19.7 E	43	3052.63	-23.19	252.64	90.31	268.30	19.67	1.51	-0.53	-3.42	2
Velocity	3249	3172	23.75	19.22	N 19.2 E	84	3129.35	-26.26	284.88	101.72	302.50	19.65	0.70	-0.65	-0.61	2
Velocity	3334	3257	23.80	20.00	N 20.0 E	85	3207.14	-29.26	317.16	113.22	336.76	19.65	0.37	0.06	0.92	2
Velocity	3418	3341	23.17	20.73	N 20.7 E	84	3284.18	-31.75	348.54	124.87	370.23	19.71	0.83	-0.75	0.87	2
Velocity	3502	3425	24.48	23.30	N 23.3 E	84	3361.02	-33.28	379.98	137.60	404.13	19.91	1.99	1.56	3.06	2
Velocity	3587	3510	25.34	24.15	N 24.2 E	85	3438.11	-33.84	412.76	152.01	439.86	20.22	1.10	1.01	1.00	2
Velocity	3672	3595	25.75	23.53	N 23.5 E	85	3514.80	-34.35	446.28	166.82	476.44	20.50	0.58	0.48	-0.73	2
Velocity	3756	3679	24.39	20.77	N 20.8 E	84	3590.89	-35.87	479.23	180.26	512.01	20.61	2.13	-1.62	-3.29	2
Velocity	3841	3764	23.42	21.19	N 21.2 E	85	3668.60	-38.06	511.39	192.59	546.45	20.64	1.16	-1.14	0.49	2
Velocity	3925	3848	22.21	22.98	N 23.0 E	84	3746.03	-39.52	541.58	204.82	579.01	20.72	1.66	-1.44	2.13	2
Velocity	4009	3932	21.35	25.06	N 25.1 E	84	3824.03	-39.86	570.04	217.50	610.13	20.88	1.38	-1.02	2.48	2
Velocity	4094	4017	21.82	22.83	N 22.8 E	85	3903.07	-40.24	598.62	230.18	641.35	21.03	1.11	0.55	-2.62	2

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Velocity	4178	4101	24.96	23.98	N 24.0 E	84	3980.16	-40.93	629.21	243.44	674.66	21.15	3.78	3.74	1.37	2
Velocity	4263	4186	26.12	25.19	N 25.2 E	85	4056.85	-40.96	662.53	258.69	711.24	21.33	1.50	1.36	1.42	2
Velocity	4347	4270	29.00	23.86	N 23.9 E	84	4131.31	-41.05	697.89	274.80	750.05	21.49	3.51	3.43	-1.58	2
Velocity	4432	4355	28.72	23.35	N 23.4 E	85	4205.76	-41.78	735.48	291.23	791.05	21.60	0.44	-0.33	-0.60	2
Velocity	4516	4439	24.59	20.02	N 20.0 E	84	4280.82	-43.64	770.45	305.22	828.71	21.61	5.23	-4.92	-3.96	2
Velocity	4601	4524	24.50	18.84	N 18.8 E	85	4358.14	-46.84	803.75	316.97	863.99	21.52	0.59	-0.11	-1.39	2
Velocity	4689	4612	27.02	20.34	N 20.3 E	88	4437.38	-50.17	839.77	329.81	902.21	21.44	2.96	2.86	1.70	2
Velocity	4776	4699	24.92	18.42	N 18.4 E	87	4515.60	-53.64	875.69	342.47	940.28	21.36	2.60	-2.41	-2.21	2
Velocity	4860	4783	24.60	16.99	N 17.0 E	84	4591.88	-57.87	909.20	353.17	975.39	21.23	0.81	-0.38	-1.70	2
Velocity	4945	4868	24.48	19.98	N 20.0 E	85	4669.20	-61.65	942.67	364.36	1010.64	21.13	1.47	-0.14	3.52	2
Velocity	5031	4954	25.24	23.75	N 23.8 E	86	4747.24	-63.38	976.21	377.84	1046.78	21.16	2.04	0.88	4.38	2
Velocity	5117	5040	27.07	24.25	N 24.3 E	86	4824.43	-63.79	1010.83	393.26	1084.64	21.26	2.14	2.13	0.58	2
Velocity	5202	5125	25.45	23.10	N 23.1 E	85	4900.65	-64.41	1045.27	408.37	1122.21	21.34	2.00	-1.91	-1.35	2
Velocity	5287	5210	23.25	20.54	N 20.5 E	85	4978.09	-66.09	1077.78	421.42	1157.24	21.36	2.87	-2.59	-3.01	2
Velocity	5372	5295	23.46	20.89	N 20.9 E	85	5056.12	-68.39	1109.30	433.34	1190.94	21.34	0.30	0.25	0.41	2
Velocity	5457	5380	25.26	21.30	N 21.3 E	85	5133.55	-70.55	1142.01	445.96	1226.00	21.33	2.13	2.12	0.48	2
Velocity	5542	5465	25.14	20.31	N 20.3 E	85	5210.46	-72.96	1175.84	458.82	1262.18	21.32	0.52	-0.14	-1.16	2
Velocity	5629	5552	25.37	17.82	N 17.8 E	87	5289.15	-76.57	1210.91	470.94	1299.27	21.25	1.25	0.26	-2.86	2
Velocity	5716	5639	25.61	19.43	N 19.4 E	87	5367.68	-80.48	1246.39	482.90	1336.67	21.18	0.84	0.28	1.85	2
Velocity	5802	5725	24.79	18.79	N 18.8 E	86	5445.50	-84.00	1280.99	494.89	1373.26	21.12	1.00	-0.95	-0.74	2
Velocity	5889	5812	24.46	19.26	N 19.3 E	87	5524.59	-87.54	1315.26	506.70	1409.49	21.07	0.44	-0.38	0.54	2
Velocity	5975	5898	24.45	23.62	N 23.6 E	86	5602.88	-89.52	1348.38	519.71	1445.07	21.08	2.10	-0.01	5.07	2
Velocity	6061	5984	24.82	28.00	N 28.0 E	86	5681.06	-88.77	1380.62	535.31	1480.77	21.19	2.17	0.43	5.09	2
Velocity	6105	6028	24.38	27.64	N 27.6 E	44	5721.06	-87.75	1396.82	543.86	1498.97	21.27	1.06	-1.00	-0.82	2
Velocity	6149	6072	22.86	31.72	N 31.7 E	44	5761.38	-86.22	1412.14	552.57	1516.40	21.37	5.07	-3.45	9.27	2
Velocity	6192	6115	21.51	41.56	N 41.6 E	43	5801.21	-82.89	1425.15	562.20	1532.03	21.53	9.18	-3.14	22.88	2
Velocity	6241	6188	21.53	57.37	N 57.4 E	73	5869.18	-71.74	1442.40	582.37	1555.53	21.99	7.92	0.03	21.66	3
Velocity	6285	6232	21.83	62.66	N 62.7 E	44	5910.07	-62.33	1450.51	596.44	1568.35	22.35	4.49	0.68	12.02	3
Velocity	6329	6276	23.29	67.66	N 67.7 E	44	5950.70	-51.36	1457.57	611.76	1580.75	22.77	5.48	3.32	11.36	3
Velocity	6373	6320	25.96	71.71	N 71.7 E	44	5990.70	-38.37	1463.90	628.95	1593.30	23.25	7.18	6.07	9.20	3
Velocity	6417	6364	28.64	77.40	N 77.4 E	44	6029.80	-22.91	1469.23	648.39	1605.94	23.81	8.50	6.09	12.93	3
Velocity	6462	6409	31.73	83.17	N 83.2 E	45	6068.70	-4.22	1472.99	670.67	1618.49	24.48	9.41	6.87	12.82	3
Velocity	6506	6453	34.50	89.20	N 89.2 E	44	6105.56	16.91	1474.54	694.63	1629.97	25.22	9.78	6.30	13.70	3
Velocity	6550	6497	37.91	92.53	S 87.5 E	44	6141.07	40.70	1474.12	720.61	1640.82	26.05	8.94	7.75	7.57	3
Velocity	6594	6541	41.82	97.35	S 82.7 E	44	6174.84	67.24	1471.64	748.68	1651.14	26.96	11.32	8.89	10.95	3
Velocity	6639	6586	45.74	101.04	S 79.0 E	45	6207.33	97.25	1466.64	779.39	1660.86	27.99	10.39	8.71	8.20	3
Velocity	6683	6630	45.90	105.87	S 74.1 E	44	6238.00	128.19	1459.30	810.06	1669.05	29.03	7.88	0.36	10.98	3
Velocity	6727	6674	50.88	108.69	S 71.3 E	44	6267.22	160.80	1449.50	841.45	1676.03	30.14	12.29	11.32	6.41	3
Velocity	6771	6718	54.31	111.96	S 68.0 E	44	6293.94	195.65	1437.34	874.20	1682.32	31.31	9.78	7.80	7.43	3
Velocity	6815	6762	59.01	114.90	S 65.1 E	44	6318.12	232.38	1422.71	907.91	1687.72	32.54	12.05	10.68	6.68	3
Velocity	6860	6807	64.06	116.46	S 63.5 E	45	6339.57	271.92	1405.56	943.54	1692.89	33.87	11.63	11.22	3.47	3
Velocity	6904	6851	69.18	117.11	S 62.9 E	44	6357.02	312.26	1387.36	979.58	1698.34	35.22	11.72	11.64	1.48	3
Velocity	6948	6895	74.10	118.45	S 61.6 E	44	6370.88	353.95	1367.90	1016.51	1704.24	36.62	11.55	11.18	3.05	3

Velocity	6992	6939	78.35	120.25	S 59.8 E	44	6381.35	396.52	1346.95	1053.75	1710.17	38.04	10.44	9.66	4.09	3
Velocity	7036	6983	82.38	123.21	S 56.8 E	44	6388.72	439.56	1324.14	1090.63	1715.46	39.48	11.31	9.16	6.73	3
Velocity	7080	7027	86.54	125.81	S 54.2 E	44	6392.96	482.69	1299.33	1126.70	1719.80	40.93	11.13	9.45	5.91	3
Velocity	7125	7072	87.93	127.55	S 52.5 E	45	6395.13	526.64	1272.49	1162.75	1723.72	42.42	4.95	3.09	3.87	3
Velocity	7169	7116	89.33	128.28	S 51.7 E	44	6396.19	569.45	1245.46	1197.45	1727.73	43.87	3.59	3.18	1.66	3
Velocity	7213	7160	89.87	128.67	S 51.3 E	44	6396.49	612.17	1218.08	1231.89	1732.42	45.32	1.51	1.23	0.89	3
Velocity	7299	7246	90.39	128.54	S 51.5 E	86	6396.30	695.62	1164.42	1299.10	1744.58	48.13	0.62	0.60	-0.15	3
Velocity	7387	7334	89.28	128.27	S 51.7 E	88	6396.55	781.09	1109.76	1368.06	1761.57	50.95	1.30	-1.26	-0.31	3
Velocity	7474	7421	89.19	130.17	S 49.8 E	87	6397.71	865.27	1054.75	1435.45	1781.30	53.69	2.19	-0.10	2.18	3
Velocity	7562	7509	88.10	130.20	S 49.8 E	88	6399.79	950.03	997.99	1502.66	1803.88	56.41	1.24	-1.24	0.03	3
Velocity	7651	7598	88.21	129.10	S 50.9 E	89	6402.66	1035.94	941.23	1571.15	1831.51	59.08	1.24	0.12	-1.24	3
Velocity	7739	7686	89.38	128.54	S 51.5 E	88	6404.51	1121.23	886.08	1639.70	1863.80	61.61	1.47	1.33	-0.64	3
Velocity	7828	7775	90.58	127.44	S 52.6 E	89	6404.54	1207.82	831.30	1709.84	1901.21	64.07	1.83	1.35	-1.24	3
Velocity	7916	7863	90.15	127.92	S 52.1 E	88	6403.98	1293.55	777.51	1779.48	1941.92	66.40	0.73	-0.49	0.55	3
Velocity	8005	7952	89.56	126.78	S 53.2 E	89	6404.21	1380.36	723.52	1850.23	1986.66	68.64	1.44	-0.66	-1.28	3
Velocity	8092	8039	88.76	125.94	S 54.1 E	87	6405.48	1465.53	671.94	1920.28	2034.45	70.71	1.33	-0.92	-0.97	3
Velocity	8181	8128	88.27	125.74	S 54.3 E	89	6407.79	1552.81	619.85	1992.41	2086.60	72.72	0.59	-0.55	-0.22	3
Velocity	8269	8216	88.59	127.20	S 52.8 E	88	6410.20	1638.90	567.56	2063.14	2139.79	74.62	1.70	0.36	1.66	3
Velocity	8357	8304	89.19	129.24	S 50.8 E	88	6411.90	1724.41	513.13	2132.26	2193.14	76.47	2.42	0.68	2.32	3
Velocity	8445	8392	89.61	131.02	S 49.0 E	88	6412.83	1809.21	456.42	2199.54	2246.40	78.28	2.08	0.48	2.02	3
Velocity	8533	8480	89.31	130.61	S 49.4 E	88	6413.66	1893.71	398.90	2266.14	2300.98	80.02	0.58	-0.34	-0.47	3
Velocity	8621	8568	89.61	131.36	S 48.6 E	88	6414.48	1978.15	341.19	2332.56	2357.38	81.68	0.92	0.34	0.85	3
Velocity	8708	8655	90.59	131.67	S 48.3 E	87	6414.33	2061.40	283.53	2397.71	2414.41	83.26	1.18	1.13	0.36	3
Velocity	8796	8743	90.30	131.65	S 48.4 E	88	6413.65	2145.54	225.03	2463.45	2473.71	84.78	0.33	-0.33	-0.02	3
Velocity	8885	8832	89.50	133.03	S 47.0 E	89	6413.80	2230.31	165.09	2529.23	2534.61	86.27	1.79	-0.90	1.55	3
Velocity	8973	8920	89.55	132.83	S 47.2 E	88	6414.53	2313.86	105.16	2593.66	2595.79	87.68	0.23	0.06	-0.23	3
Velocity	9061	9008	89.88	131.80	S 48.2 E	88	6414.97	2397.70	45.92	2658.73	2659.13	89.01	1.23	0.37	-1.17	3
Velocity	9149	9096	90.69	131.92	S 48.1 E	88	6414.53	2481.75	-12.81	2724.27	2724.30	90.27	0.93	0.92	0.14	3
Velocity	9237	9184	88.50	132.02	S 48.0 E	88	6415.16	2565.74	-71.65	2789.69	2790.61	91.47	2.49	-2.49	0.11	3
Velocity	9325	9272	89.50	131.87	S 48.1 E	88	6416.69	2649.74	-130.46	2855.14	2858.11	92.62	1.15	1.14	-0.17	3
Velocity	9414	9361	89.15	131.07	S 48.9 E	89	6417.74	2734.92	-189.39	2921.82	2927.95	93.71	0.98	-0.39	-0.90	3
Velocity	9500	9447	89.41	133.03	S 47.0 E	86	6418.82	2816.96	-246.99	2985.67	2995.87	94.73	2.30	0.30	2.28	3
Velocity	9588	9535	88.96	132.89	S 47.1 E	88	6420.07	2900.49	-306.95	3050.06	3065.47	95.75	0.54	-0.51	-0.16	3
Velocity	9676	9623	88.59	132.35	S 47.7 E	88	6421.95	2984.17	-366.53	3114.81	3136.30	96.71	0.74	-0.42	-0.61	3
Velocity	9763	9710	89.96	133.95	S 46.1 E	87	6423.06	3066.65	-426.02	3178.27	3206.69	97.63	2.42	1.57	1.84	3
Velocity	9848	9795	89.68	133.32	S 46.7 E	85	6423.32	3147.02	-484.67	3239.79	3275.84	98.51	0.81	-0.33	-0.74	3
Velocity	9933	9880	90.44	133.07	S 46.9 E	85	6423.23	3227.59	-542.85	3301.75	3346.08	99.34	0.94	0.89	-0.29	3
Velocity	10021	9968	89.93	131.63	S 48.4 E	88	6422.95	3311.41	-602.13	3366.79	3420.21	100.14	1.74	-0.58	-1.64	3
Velocity	10109	10056	89.53	131.09	S 48.9 E	88	6423.36	3395.69	-660.28	3432.84	3495.76	100.89	0.76	-0.45	-0.61	3
Velocity	10196	10143	89.35	130.96	S 49.0 E	87	6424.21	3479.15	-717.39	3498.47	3571.26	101.59	0.26	-0.21	-0.15	3
Velocity	10282	10229	89.19	133.42	S 46.6 E	86	6425.31	3561.13	-775.13	3562.18	3645.54	102.28	2.87	-0.19	2.86	3
Velocity	10367	10314	88.91	133.67	S 46.3 E	85	6426.72	3641.52	-833.68	3623.78	3718.44	102.96	0.44	-0.33	0.29	3
Velocity	10452	10399	88.84	133.38	S 46.6 E	85	6428.39	3721.93	-892.21	3685.40	3791.86	103.61	0.35	-0.08	-0.34	3

Velocity	10537	10484	88.61	132.66	S 47.3 E	85	6430.28	3802.57	-950.19	3747.53	3866.11	104.23	0.89	-0.27	-0.85	3
Velocity	10623	10570	88.93	132.53	S 47.5 E	86	6432.13	3884.36	-1008.38	3810.82	3941.98	104.82	0.40	0.37	-0.15	3
Velocity	10708	10655	89.96	132.55	S 47.5 E	85	6432.95	3965.23	-1065.84	3873.45	4017.41	105.39	1.21	1.21	0.02	3
Velocity	10793	10740	89.95	132.53	S 47.5 E	85	6433.02	4046.11	-1123.31	3936.08	4093.23	105.93	0.03	-0.01	-0.02	3
Velocity	10879	10826	89.70	132.56	S 47.4 E	86	6433.28	4127.94	-1181.46	3999.44	4170.29	106.46	0.29	-0.29	0.03	3
Velocity	10965	10912	90.22	133.03	S 47.0 E	86	6433.34	4209.66	-1239.89	4062.54	4247.54	106.97	0.82	0.60	0.55	3
Velocity	11050	10997	89.07	132.71	S 47.3 E	85	6433.86	4290.38	-1297.72	4124.84	4324.16	107.46	1.40	-1.35	-0.38	3
Velocity	11136	11083	89.08	132.95	S 47.1 E	86	6435.25	4372.07	-1356.17	4187.90	4402.01	107.94	0.28	0.01	0.28	3
Velocity	11223	11170	88.61	133.43	S 46.6 E	87	6437.01	4454.53	-1415.70	4251.31	4480.84	108.42	0.77	-0.54	0.55	3
Velocity	11312	11259	88.95	134.59	S 45.4 E	89	6438.90	4538.46	-1477.53	4315.31	4561.25	108.90	1.36	0.38	1.30	3
Velocity	11397	11344	88.99	135.37	S 44.6 E	85	6440.43	4618.14	-1537.60	4375.42	4637.73	109.36	0.92	0.05	0.92	3
Velocity	11483	11430	88.68	134.16	S 45.8 E	86	6442.18	4698.87	-1598.15	4436.47	4715.54	109.81	1.45	-0.36	-1.41	3
Velocity	11571	11518	88.98	133.39	S 46.6 E	88	6443.98	4781.98	-1659.01	4500.00	4796.07	110.24	0.94	0.34	-0.88	3
Velocity	11656	11603	90.58	134.48	S 45.5 E	85	6444.30	4862.20	-1717.99	4561.21	4874.02	110.64	2.28	1.88	1.28	3
Velocity	11742	11689	90.36	134.23	S 45.8 E	86	6443.60	4943.15	-1778.11	4622.70	4952.88	111.04	0.39	-0.26	-0.29	3
Velocity	11829	11776	90.08	132.65	S 47.4 E	87	6443.26	5025.50	-1837.93	4685.86	5033.42	111.42	1.84	-0.32	-1.82	3
Velocity	11918	11865	90.78	131.11	S 48.9 E	89	6442.59	5110.49	-1897.34	4752.12	5116.89	111.76	1.90	0.79	-1.73	3
Velocity	12005	11952	91.09	131.51	S 48.5 E	87	6441.17	5193.82	-1954.76	4817.46	5198.95	112.09	0.58	0.36	0.46	3
Velocity	12093	12040	90.75	130.55	S 49.5 E	88	6439.76	5278.23	-2012.52	4883.84	5282.25	112.40	1.16	-0.39	-1.09	3
Velocity	12179	12126	92.07	131.86	S 48.1 E	86	6437.65	5360.63	-2069.15	4948.52	5363.70	112.69	2.16	1.53	1.52	3
Velocity	12266	12213	91.41	132.33	S 47.7 E	87	6435.00	5443.58	-2127.45	5013.05	5445.79	113.00	0.93	-0.76	0.54	3
Velocity	12351	12298	89.08	132.44	S 47.6 E	85	6434.64	5524.52	-2184.74	5075.82	5526.04	113.29	2.74	-2.74	0.13	3
Velocity	12436	12383	89.10	131.66	S 48.3 E	85	6435.99	5605.61	-2241.66	5138.93	5606.58	113.57	0.92	0.02	-0.92	3
Velocity	12523	12470	89.25	131.91	S 48.1 E	87	6437.24	5688.73	-2299.63	5203.80	5689.27	113.84	0.34	0.17	0.29	3
Last Svy	12610	12557	89.15	132.08	S 47.9 E	87	6438.46	5771.76	-2357.83	5268.45	5772.00	114.11	0.23	-0.11	0.20	3
Projection	12617	12617	89.15	132.08	S 47.9 E	60	6439.35	5828.99	-2398.04	5312.98	5829.09	114.29	0.00	0.00	0.00	3

12/01/2023

LATITUDE 39-27-30 N (TH) — Top Hole 2998'

Bottom Hole 9,316'
LATITUDE 39-27-30 N (BH)

LONGITUDE 80-47-30 N (TH) — Top Hole 3501'

LONGITUDE 80-45-00 N (BH) — Bottom Hole 5,836'

References
20" Pine
S02°46'E 159.9'
Location
N18°03'W 215.6'
24" Sycamore

Top Hole
Geo NAD 83-39.448685 N, 80.801926 W
UTM NAD83(meters)-4366588.30 N. 517042.71 E
UTM NAD83(feet)-14326048.43 N. 1696330.96 E

LP1-Landing Point-1
Geo NAD 83-39.452225 N, 80.797874 W
UTM NAD83(meters)-4366981.88 N. 517390.48 E
UTM NAD83(feet)-14327339.71 N. 1697471.92 E

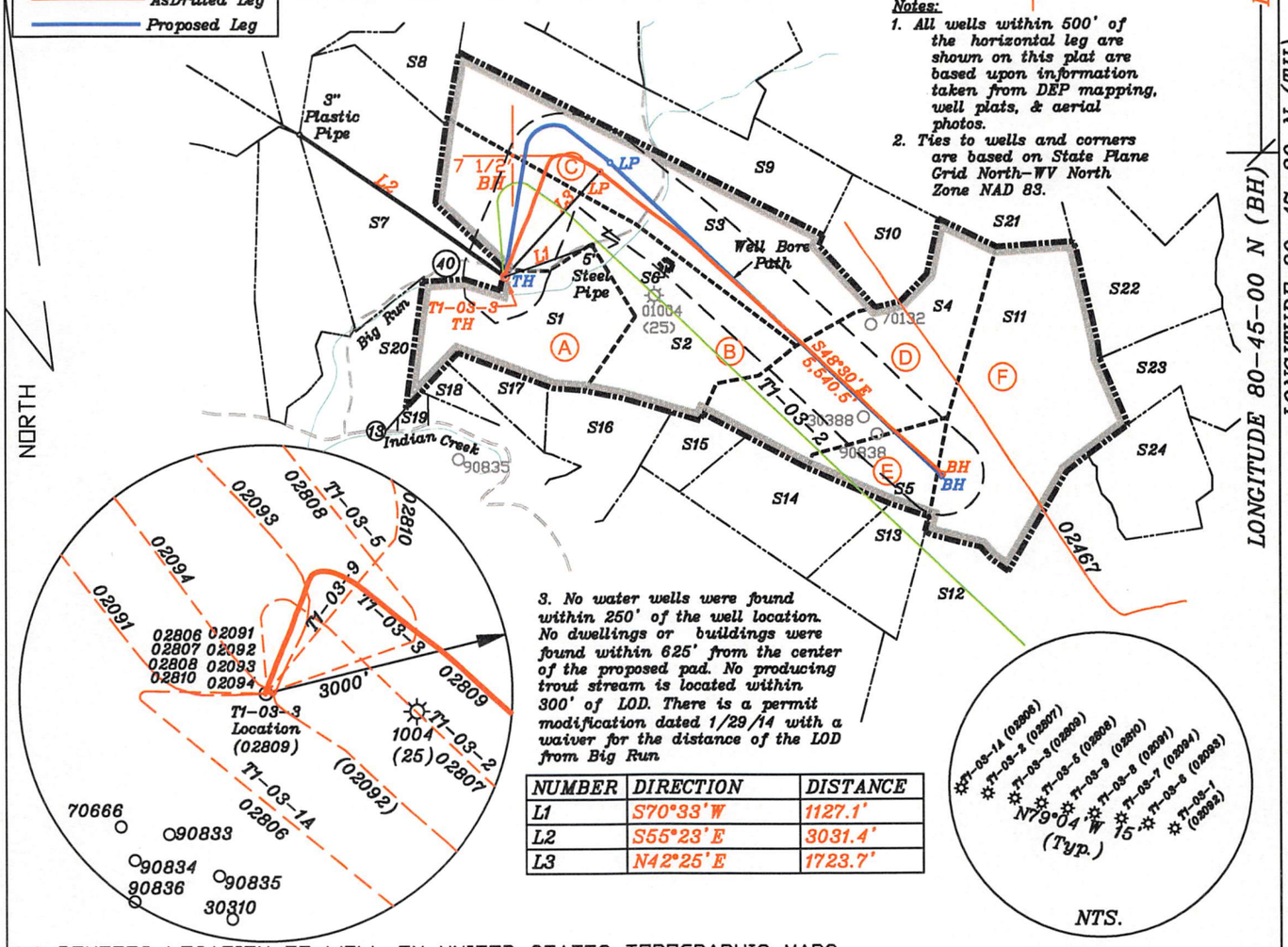
Bottom Hole
Geo NAD 83-39.442312 N, 80.782992 W
UTM NAD83(meters)-4365884.74 N. 518673.52 E
UTM NAD83(feet)-14323740.18 N. 1701681.39 E

— LEGEND —
500' from Bore Path
Well Lateral
Unit Boundary
Lease Tracts
Surface Tracts
(A) Well Bore Tracts

TH
7 1/2'

AsDrilled Leg
Proposed Leg

Notes:
1. All wells within 500' of the horizontal leg are shown on this plat are based upon information taken from DEP mapping, well plats, & aerial photos.
2. Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 83.



3. No water wells were found within 250' of the well location. No dwellings or buildings were found within 625' from the center of the proposed pad. No producing trout stream is located within 300' of LOD. There is a permit modification dated 1/29/14 with a waiver for the distance of the LOD from Big Run

NUMBER	DIRECTION	DISTANCE
L1	S70°33'W	1127.1'
L2	S55°23'E	3031.4'
L3	N42°25'E	1723.7'

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO.
DRAWING NO. 1
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION GPS submeter unit

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

(SIGNED) David L Jackson
R.P.E. _____ P.L.S. 708

DAVID L JACKSON LICENSED NO. 708 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

STATE OF WEST VIRGINIA
Division of Environmental Protection
OFFICE OF OIL AND GAS

DATE July 10, 2023
OPERATOR'S WELL NO. T1-03-3
API WELL NO.
47 — 095 — 02809
STATE COUNTY PERMIT

WELL TYPE: OIL__ GAS X LIQUID INJECTION__ WASTE DISPOSAL__
(IF "GAS") PRODUCTION X STORAGE__ DEEP__ SHALLOW X
LOCATION: ELEVATION 724.5' WATER SHED Big Run of Outlet Middle Island Creek (HUC-10)
DISTRICT McElroy COUNTY Tyler
QUADRANGLE Shirley 7 1/2'
SURFACE OWNER Donald J. Lisby and Judith A. Lisby ACREAGE 80 ac.
OIL & GAS ROYALTY OWNER J.E. Spence LEASE ACREAGE 639 ac
LEASE NO. T1-03 See Page 2

12/01/2023

PROPOSED WORK: DRILL__ CONVERT__ DRILL DEEPER__ REDRILL__ FRACTURE OR STIMULATE__ PLUG OFF OLD FORMATION__ PERFORATE NEW FORMATION__ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AsDrilled
PLUG AND ABANDON__ CLEAN OUT AND REPLUG__
TARGET FORMATION Marcellus ESTIMATED DEPTH TVD 6,444'; TMD 12,617'
WELL OPERATOR Jay Bee Oil & Gas, Inc. DESIGNATED AGENT Deborah Broda-Morgan
ADDRESS 16 South Avenue W, Ste 118, Cranford NJ 07016 ADDRESS 429 Simonton Road, Ellenboro, WV 26346

form WW6

Tags	Number	Tax Map -Parcel	Surface Owner	Acres
A	S1	05-10-04	DONALD J LISBY & JUDITH A LISBY	80
B	S2	05-11-49	JUDY NICHOLS (LIFE ESTATE) & MARK L NICHOLS & MITCHELL B NICHOLS	133.71
C	S3	05-06-41	DONALD J LISBY & JUDITH LISBY	115
D	S4	05-11-03	COASTAL FOREST RESOURCES CO	119
E	S5	05-11-10	EIGG LAND LIMITED	25
	S6	05-11-01	HENRY WRIGHT HRS	0.29
	S7	05-05-15	EDSEL HOOVER, TERRY & TERESA JACKSON & EILEEN YOUNG	112.25
	S8	05-05-17	BRIAN K & KATHRYN A HAYDEN	61.73
	S9	05-06-40	ANTHONY ANDREW HAUGHT & AMY JO HAUGHT	93
	S10	05-11-02	KATHY ANN SEAGO ET AL	32.25
F	S11	05-11-04	DAVE & ANNIE UNDERWOOD ESTS	136
	S12	05-11-26	DAVID LEE KYLE	40.58
	S13	05-11-11	REX S GODDARD	25
	S14	05-11-12	SARAH GATRELL	47
	S15	05-11-48	SD & ME SPENCER ESTATE	18.25
	S16	p/o 05-10-12	JOSEPH BOYD	66
	S17	p/o 05-10-12	JOSEPH BOYD	66
	S18	05-10-11	LONNIE C & DEBBIE K. FREY	85
	S19	05-10-47	JAMES WRIGHT	2
	S20	05-10-03	JASON M & STEVENS AIMEE L STEVENS	27.25
	S21	05-06-37	F M WHITE HRS & ELIJAH SPENCER ET AL & SYLVESTER WHITE HRS & RONALD HOOVER	108
	S22	05-11-05	THELMA DOTSON	62
	S23	05-11-5.1	ELIZABETH DIANE LIVING TRUST KARNEY	36.013
	S24	05-11-14.3	MARSHALL TRUMAN TALLMAN & TIANA MARIE TALLMAN	28.63

Jay-Bee Oil & Gas, Inc. - T1-03-3 Permit - WW-6A1 Exhibit

Tracts	District Tax Map/Parcel	JB Tract #	Lessor, Grantor, etc.	Deed Book/Page
A	05-10-4	p/o T1-03	Bernice Baker, et al	391/342
B	05-11-49	p/o T1-03	Sara L. Anetsberger, et al	390/211
C	05-6-41	p/o T1-03	Sara L. Anetsberger, et al	390/211
D	05-11-3	T3134	Lisa Diane Bastian, et al	495/292
E	05-11-10	p/o T1-03	Sara L. Anetsberger, et al	390/211
F	5-11-4	T3158 & HLS505	DeEtta Ernestine Burris	467/773

DAVID L JACKSON
LICENSED
NO. 708
STATE OF
WEST VIRGINIA
PROFESSIONAL SURVEYOR

Top Hole
Geo NAD 83–39.448685 N, 80.801927 W
UTM NAD83(meters)–4366588.26 N. 517042.65 E
UTM NAD83(feet)–14326048.33 N. 1696330.76 E

LP1–Landing Point–1
Geo NAD 83–39.452503 N, 80.797457 W
UTM NAD83(meters)–4367012.87 N. 517426.30 E
UTM NAD83(feet)–14327441.38 N. 1697589.44 E

Bottom Hole
Geo NAD 83–39.442226 N, 80.783041 W
UTM NAD83(meters)–4365875.19 N. 518669.40 E
UTM NAD83(feet)–14323708.84 N. 1701667.87 E

P.S. 708 David L Jackson

12/01/2023

Jay Bee Oil & Gas
DRILLING into the future

OPERATOR'S
WELL #: T1–03–3
DISTRICT: McElroy
COUNTY: Tyler
STATE: WV
API #: 47–095–02809

WELL PLAT
PAGE 2 OF 2
DATE: 07/10/2023