

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

RECEIVED  
Office Of Oil and Gas

API 47 - 095 - 02807 County Tyler District McElroy  
Quad Shirley 7 1/2" Pad Name T1-03 Field/Pool Name \_\_\_\_\_  
Farm name Edsel Hoover, Jr., Eileen Young Well Number 2  
Operator (as registered with the OOG) 24610  
Address 429 Simonton Road City Ellenboro State WV Zip 26346

AUG 1 2023

WV Department of  
Environmental Protection

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4366589.04 Easting 517038.24  
Landing Point of Curve Northing 4366786.50 Easting 517328.45  
Bottom Hole Northing 4365252.48 Easting 518983.20

Elevation (ft) 724.2 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 2-25-2023  
Date completion activities began 4-7-2023 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: [Signature]  
12/01/2023

10/25/23

API 47- 095 - 02807 Farm name Edsel Hoover, Jr., Eileen Young Well number 2

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"	2,011'	New	24# J-55	1,976' - 84'	Yes
Intermediate 2							
Intermediate 3							
Production	7.875"	5.5"	14,322'	New	20# P-110	n/a	Yes
Tubing	5.5"	2 7/8"	6,880'	New	6.4# L80	n/a	n/a
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 <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	Class A	n/a	n/a	n/a	n/a	CTS	8 hours
Surface	Class A	142	15.6	1.19	168	CTS	8 hours
Coal							
Intermediate 1	Class A	593	15.6	1.19	706	CTS	8 hours
Intermediate 2							
Intermediate 3							
Production	Class A	2187	14.5	1.19	2569	300'	8 hours
Tubing							

Drillers TD (ft) 14,367' Loggers TD (ft) 14,367'  
 Deepest formation penetrated Marcellus Plug back to (ft) n/a  
 Plug back procedure n/a

Kick off depth (ft) 5,932'

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' horizontal 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

J. Miller 10/25/23



API 47- 095 - 02807 Farm name Edsel Hoover, et al Well number T103-2

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	4-7-23	14271	14140	72	MARCELLUS
2	4-7-23	14094	13934	72	MARCELLUS
3	4-8-23	13870	13724	72	MARCELLUS
4	4-8-23	13687	13520	72	MARCELLUS
5	4-9-23	13480	13316	72	MARCELLUS
6	4-10-23	13266	13088	72	MARCELLUS
7	4-11-23	13042	12892	72	MARCELLUS
8	4-12-23	12845	12676	72	MARCELLUS
9	4-13-23	12638	12487	72	MARCELLUS
10	4-13-23	12434	12264	72	MARCELLUS
11	4-14-23	12228	12064	72	MARCELLUS
12	4-14-23	12010	11860	72	MARCELLUS
13	4-15-23	11804	11618	72	MARCELLUS
14	4-15-23	11578	11406	72	MARCELLUS
15	4-16-23	11366	11216	72	MARCELLUS
16	4-16-23	11160	11008	72	MARCELLUS

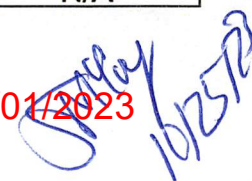
Please insert additional pages as applicable.

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	4-7-23	71.1	7118	6300	3562	332645	10320	N/A
2	4-8-23	70.4	6913	6266	4028	341313	10251	N/A
3	4-8-23	70.4	7044	5963	4379	325576	9408	N/A
4	4-9-23	70.8	7083	6591	5400	330880	9727	N/A
5	4-10-23	68.2	6903	6117	5118	330488	12135	N/A
6	4-11-23	70.5	6740	5796	5468	334671	10045	N/A
7	4-11-23	70	6823	4739	4456	36900	9676	N/A
8	4-12-23	73	6901	6006	4791	323459	10608	N/A
9	4-13-23	74.6	6986	5893	5496	331129	10565	N/A
10	4-13-23	72.9	6717	5810	5486	330160	9906	N/A
11	4-14-23	74.6	6730	5781	5461	337089	9713	N/A
12	4-14-23	75.2	6823	4739	4729	368900	9673	N/A
13	4-15-23	75.1		5608	4811	330018	9046	N/A
14	4-15-23	75.1	6721	6056	5284	331402	9468	N/A
15	4-16-23	73.3	6635	6158	5228	337359	9298	N/A
16	4-16-23	74.7	6787	5989	4325	330900	9123	N/A

Please insert additional pages as applicable.

12/01/2023  




API 47- 095 - 02807 Farm name Edsel Hoover, et al Well number T103-2

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
17	4-17-23	10948	10816	72	MARCELLUS
18	4-17-23	10722	10602	72	MARCELLUS
19	4-17-23	10496	10386	72	MARCELLUS
20	4-18-23	10276	10160	72	MARCELLUS
21	4-19-23	10085	9988	72	MARCELLUS
22	4-19-23	9898	9776	72	MARCELLUS
23	4-20-23	9654	9551	72	MARCELLUS
24	4-21-23	9448	9328	72	MARCELLUS
25	4-21-23	9245	9106	72	MARCELLUS
26	4-22-23	9020	8907	72	MARCELLUS
27	4-22-23	8814	8686	72	MARCELLUS
28	4-22-23	8612	8462	72	MARCELLUS
29	4-22-23	8368	8252	72	MARCELLUS
30	4-23-23	8169	8038	72	MARCELLUS
31	4-23-23	7956	7827	72	MARCELLUS
32	4-23-23	7748	7630	72	

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	72.4	6626	6094	4318	333029	9167	N/A
18	4-17-23	76.9	6507	6078	4207	330460	9257	N/A
19	4-18-23	72.2	6571	6766	5590	325940	8703	N/A
20	4-19-23	71.8	6847	6699	4936	329115	7819	N/A
21	4-19-23	70.7	6829	5929	4591	335300	8616	N/A
22	4-20-23	71.9	6794	5796	5149	327340	8540	N/A
23	4-20-23	70.5	6767	6007	4243	330730	8899	N/A
24	4-21-23	71.9	6688	6104	5345	326900	8910	N/A
25	4-21-23	72.8	6856	6463	4817	324120	7737	N/A
26	4-22-23	70.2	6528	6060	4466	331180	8498	N/A
27	4-22-23	72	6642	6039	5932	331910	8155	N/A
28	4-22-23	72.1	6531	5877	4588	331220	8505	N/A
29	4-23-23	71.1	6498	6070	4497	331240	8338	N/A
30	4-23-23	72.7	6476	5951	5113	327220	8249	N/A
31	4-23-23	71	6468	5865	4429	328580	7764	N/A
32	4-23-23	71.3	6474	6138	4357	330160	8203	N/A

Please insert additional pages as applicable.

12/01/2023

*Handwritten signature and date:*  
12/15/23









**WR-35 FORMATION DATA**

<b>PAD-WELL</b>	<b>T1-03-2</b>		
<b>ELEVATION</b>	<b>723</b>		
<b>PERMIT</b>	<b>47- 95-02807</b>		
	<b>TOP TVD</b>	<b>BOTTOM TVD</b>	
<b>Carroll Sand</b>	382	422	
<b>Murphy Sand</b>	466	490	
<b>1st Cow Run Sand</b>	600	628	
<b>Little Dunkard Sand</b>	693	709	
<b>Dunkard Sand</b>	740	760	
<b>sandstone</b>	790	825	
<b>2nd Cow Run Sand</b>	927	960	
<b>Gas Sand</b>	1014	1063	
<b>1st Salt</b>	1079	1136	
<b>2nd Salt</b>	1256	1365	
<b>3rd Salt</b>	1423	1530	
<b>Maxon</b>	1610	1625	
<b>Big Lime</b>	1655	1740	
<b>Big Injun</b>	1756	1905	
<b>Berea</b>	2245	2248	
<b>Gordon</b>	2483	2496	
<b>Fifth</b>	2690	2695	
<b>Warren</b>	3167	3206	
<b>Riley</b>	4128	4145	
<b>Benson</b>	4777	4782	Gas show
<b>Alexander</b>	5027	5092	
<b>Hamilton</b>	5306	5625	
<b>Upper Marcellus (Geneseo)</b>	6279	6319	
<b>Purcell (Tully Lm)</b>	6317	6320	
<b>Marcellus</b>	6367		Gas show

12/01/2023

# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/7/2023
Job End Date:	4/24/2023
State:	West Virginia
County:	Tyler
API Number:	47-095-02807-00-00
Operator Name:	Jay-Bee Oil & Gas, Inc.
Well Name and Number:	T1-03-2
Latitude:	39.44869200
Longitude:	-80.80203200
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,455
Total Base Water Volume (gal):	12,680,304
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	50.16787	None
Sand (100 Mesh Proppant)	ProFrac	Proppant					
			Silica Substrate	14808-60-7	100.00000	46.38685	None
Sand (40/70 Mesh Proppant)	ProFrac	Proppant					
			Silica Substrate	14808-60-7	100.00000	2.17855	None
Sand (30/50 Mesh Proppant)	ProFrac	Proppant					
			Silica Substrate	14808-60-7	100.00000	0.52341	None
Sand (20/40 Mesh Ceramic)	ProFrac	Proppant					
			Silica Substrate	14808-60-7	100.00000	0.39010	None
Hydrochloric Acid (15%)	CNR	Acidizing					
			Water	7732-18-5	85.00000	0.23613	None
			Hydrochloric Acid (Hydrogen Chloride)	7647-01-0	37.00000	0.10279	None
ProSlick 373	ProFrac	Friction Reducer					



			Petroleum distillates, hydrotreated light	64742-47-8	30.00000	0.01375	None
			Ethoxylated Alcohol	68551-12-2	5.00000	0.00229	None
BioSuite GQ123x	BioSuite	Biocide					
			Glutaral	111-30-8	15.00000	0.00229	None
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	5.00000	0.00076	None
Acid Pack Pro LT	ProFrac	Hydrochloric Acid Additive / Corrosion Inhibitor					
			Proprietary Blend	Proprietary	60.00000	0.00069	None
			Ethylene Glycol	107-21-1	30.00000	0.00034	None
ProChek 170	ProFrac	Scale Inhibitor					
			Methyl alcohol	67-56-1	5.00000	0.00064	None
ProSlick 302	ProFrac	Friction Reducer					
			Petroleum distillates, hydrotreated light	64742-47-8	20.00000	0.00006	None
			Oleic Acid Diethanolamide	93-83-4	5.00000	0.00001	None
			Ammonium chloride ((NH4)Cl)	12125-02-9	5.00000	0.00001	None
			Alcohols, C12-16, ethoxylated	68551-12-2	1.50000	0.00000	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	0.23613	
			Ethoxylated Alcohol	68551-12-2	5.00000	0.00229	
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	5.00000	0.00076	
			Ethylene Glycol	107-21-1	30.00000	0.00034	
			Oleic Acid Diethanolamide	93-83-4	5.00000	0.00001	
			Ammonium chloride ((NH4)Cl)	12125-02-9	5.00000	0.00001	
			Alcohols, C12-16, ethoxylated	68551-12-2	1.50000	0.00000	

\* 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)





Company: Jay Bee Oil & Gas  
 Well: T1-03-2  
 Location: Tyler Co., WV  
 Rig: Falcon 39  
 API No: 47-095-02807-00-00  
 Start Date: 02/11/23 Start Depth: 350

Job Number: 71215 Calculation Method: Minimum Curvature  
 Magnetic Declination: -7.62 Proposed Azimuth: 125.36  
 Grid Correction: -0.83 Depth Ref: RKB 737.67 ft Plan # 4  
 Total Correction: -6.79 Field: Appalachian  
 North reference: Grid Location Lat/Long: 39.4486921, -80.8019792  
 End Date: 02/23/23 End Depth: 14367

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) (+E/-W) (ft)		Closure Distance (ft) Angle (deg)		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')	Run #
TIP	338.67	338.67	0.85	226.70	S 46.7 W	0	338.63	-3.06	0.13	-3.66	0	0	0	0	0	0
1st Svy	470	384	0.74	214.49	S 34.5 W	45	383.96	-3.12	-0.34	-4.07	4.08	265.20	0.44	-0.24	-26.94	1
Velocity	513	427	0.79	207.35	S 27.4 W	43	426.95	-3.08	-0.83	-4.36	4.44	259.18	0.25	0.12	-16.60	1
Velocity	555	469	0.46	198.53	S 18.5 W	42	468.95	-2.99	-1.25	-4.55	4.72	254.63	0.82	-0.79	-21.00	1
Velocity	597	511	0.19	1.94	N 1.9 E	42	510.95	-2.98	-1.34	-4.60	4.79	253.75	1.53	-0.64	-468.07	1
Velocity	639	553	0.80	22.68	N 22.7 E	42	552.95	-3.08	-1.00	-4.49	4.60	257.42	1.49	1.45	49.38	1
Velocity	681	595	1.20	27.01	N 27.0 E	42	594.94	-3.21	-0.34	-4.17	4.19	265.36	0.97	0.95	10.31	1
Velocity	724	638	1.61	23.16	N 23.2 E	43	637.93	-3.40	0.62	-3.73	3.78	279.40	0.98	0.95	-8.95	1
Velocity	766	680	1.73	23.80	N 23.8 E	42	679.91	-3.65	1.74	-3.24	3.68	298.21	0.29	0.29	1.52	1
Velocity	808	722	2.02	21.36	N 21.4 E	42	721.89	-3.96	3.01	-2.72	4.06	317.91	0.72	0.69	-5.81	1
Velocity	850	764	2.26	20.21	N 20.2 E	42	763.86	-4.35	4.48	-2.16	4.97	334.22	0.58	0.57	-2.74	1
Velocity	893	807	1.84	19.29	N 19.3 E	43	806.83	-4.77	5.92	-1.64	6.15	344.51	0.98	-0.98	-2.14	1
Velocity	935	849	1.24	25.65	N 25.7 E	42	848.81	-5.03	6.97	-1.22	7.08	350.06	1.48	-1.43	15.14	1
Velocity	977	891	1.20	34.40	N 34.4 E	42	890.81	-5.11	7.74	-0.78	7.78	354.27	0.45	-0.10	20.83	1
Velocity	1019	933	1.24	38.25	N 38.3 E	42	932.80	-5.10	8.46	-0.25	8.47	358.33	0.22	0.10	9.17	1
Velocity	1061	975	1.25	47.15	N 47.2 E	42	974.79	-4.98	9.13	0.37	9.14	2.32	0.46	0.02	21.19	1
Velocity	1104	1018	1.26	47.06	N 47.1 E	43	1017.78	-4.79	9.77	1.06	9.83	6.19	0.02	0.02	-0.21	1
Velocity	1146	1060	1.19	41.72	N 41.7 E	42	1059.77	-4.65	10.41	1.69	10.55	9.21	0.32	-0.17	-12.71	1
Velocity	1188	1102	1.42	41.71	N 41.7 E	42	1101.76	-4.54	11.13	2.32	11.37	11.80	0.55	0.55	-0.02	1
Velocity	1230	1144	1.35	26.06	N 26.1 E	42	1143.74	-4.56	11.96	2.89	12.30	13.58	0.91	-0.17	-37.26	1
Velocity	1273	1187	1.41	2.30	N 2.3 E	43	1186.73	-4.94	12.94	3.13	13.32	13.61	1.33	0.14	-55.26	1
Velocity	1315	1229	1.67	351.70	N 8.3 W	42	1228.72	-5.64	14.06	3.06	14.39	12.29	0.92	0.62	-25.24	1
Velocity	1357	1271	1.55	339.07	N 20.9 W	42	1270.70	-6.53	15.20	2.77	15.45	10.34	0.89	-0.29	-30.07	1
Velocity	1399	1313	1.42	324.18	N 35.8 W	42	1312.69	-7.50	16.15	2.27	16.31	7.99	0.97	-0.31	-35.45	1
Velocity	1441	1355	1.64	320.50	N 39.5 W	42	1354.67	-8.57	17.04	1.58	17.11	5.30	0.57	0.52	-8.76	1
Velocity	1484	1398	1.84	320.66	N 39.3 W	43	1397.65	-9.83	18.05	0.75	18.06	2.38	0.47	0.47	0.37	1
Velocity	1526	1440	1.91	324.68	N 35.3 W	42	1439.63	-11.14	19.14	-0.08	19.14	359.75	0.35	0.17	9.57	1
Velocity	1568	1482	1.59	338.31	N 21.7 W	42	1481.61	-12.29	20.25	-0.70	20.26	358.01	1.24	-0.76	32.45	1
Velocity	1610	1524	1.13	11.39	N 11.4 E	42	1523.60	-12.95	21.20	-0.84	21.22	357.74	2.12	-1.10	78.76	1
Velocity	1653	1567	1.41	23.02	N 23.0 E	43	1566.59	-13.24	22.10	-0.54	22.11	358.59	0.88	0.65	27.05	1
Velocity	1695	1609	1.68	22.13	N 22.1 E	42	1608.57	-13.49	23.15	-0.11	23.15	359.73	0.65	0.64	-2.12	1
Velocity	1737	1651	1.92	17.79	N 17.8 E	42	1650.55	-13.84	24.39	0.34	24.39	0.79	0.66	0.57	-10.33	1
Velocity	1779	1693	1.86	8.99	N 9.0 E	42	1692.53	-14.35	25.73	0.66	25.74	1.46	0.70	-0.14	-20.95	1



Velocity	1823	1737	1.97	359.97	N 0.0 W	44	1736.50	-15.11	27.19	0.77	27.20	1.62	0.73	0.25	-20.50	1
Velocity	1866	1780	2.13	354.65	N 5.4 W	43	1779.48	-16.06	28.73	0.69	28.74	1.38	0.58	0.37	-12.37	1
Velocity	1908	1822	2.21	346.65	N 13.4 W	42	1821.45	-17.18	30.29	0.43	30.30	0.82	0.75	0.19	-19.05	1
Velocity	1950	1864	2.43	344.34	N 15.7 W	42	1863.41	-18.48	31.94	0.01	31.94	0.01	0.57	0.52	-5.50	1
Velocity	1992	1906	2.71	341.87	N 18.1 W	42	1905.37	-19.97	33.74	-0.54	33.74	359.08	0.72	0.67	-5.88	1
Velocity	2034	1948	3.09	338.41	N 21.6 W	42	1947.32	-21.71	35.74	-1.27	35.76	357.97	1.00	0.90	-8.24	1
Velocity	2105	2028	3.78	338.02	N 22.0 W	80	2027.17	-25.74	40.19	-3.05	40.30	355.66	0.86	0.86	-0.49	2
Velocity	2147	2070	4.06	333.29	N 26.7 W	42	2069.07	-28.22	42.80	-4.24	43.01	354.35	1.02	0.67	-11.26	2
Velocity	2189	2112	3.80	332.53	N 27.5 W	42	2110.97	-30.77	45.36	-5.55	45.70	353.03	0.63	-0.62	-1.81	2
Velocity	2232	2155	3.85	343.43	N 16.6 W	43	2153.88	-33.18	48.01	-6.61	48.46	352.16	1.69	0.12	25.35	2
Velocity	2274	2197	3.87	345.16	N 14.8 W	42	2195.78	-35.38	50.73	-7.38	51.26	351.72	0.28	0.05	4.12	2
Velocity	2316	2239	3.96	352.69	N 7.3 W	42	2237.69	-37.45	53.54	-7.93	54.12	351.58	1.24	0.21	17.93	2
Velocity	2359	2282	4.11	355.81	N 4.2 W	43	2280.58	-39.44	56.55	-8.23	57.14	351.72	0.62	0.35	7.26	2
Velocity	2401	2324	5.15	5.56	N 5.6 E	42	2322.44	-41.33	59.93	-8.16	60.48	352.25	3.10	2.48	23.21	2
Velocity	2443	2366	6.32	11.22	N 11.2 E	42	2364.23	-43.21	64.07	-7.52	64.51	353.30	3.09	2.79	13.48	2
Velocity	2486	2409	7.19	15.54	N 15.5 E	43	2406.93	-45.09	68.98	-6.34	69.27	354.75	2.34	2.02	10.05	2
Velocity	2528	2451	7.28	14.46	N 14.5 E	42	2448.60	-46.93	74.09	-4.97	74.26	356.16	0.39	0.21	-2.57	2
Velocity	2570	2493	8.11	20.39	N 20.4 E	42	2490.22	-48.65	79.45	-3.28	79.51	357.64	2.73	1.98	14.12	2
Velocity	2613	2536	8.11	21.57	N 21.6 E	43	2532.79	-50.16	85.11	-1.10	85.12	359.26	0.39	0.00	2.74	2
Velocity	2655	2578	8.93	23.20	N 23.2 E	42	2574.33	-51.55	90.86	1.27	90.87	0.80	2.04	1.95	3.88	2
Velocity	2742	2665	10.93	20.90	N 20.9 E	87	2660.02	-55.03	104.77	6.87	105.00	3.75	2.34	2.30	-2.64	2
Velocity	2827	2750	11.78	21.16	N 21.2 E	85	2743.35	-59.17	120.39	12.88	121.08	6.11	1.00	1.00	0.31	2
Velocity	2911	2834	12.73	21.09	N 21.1 E	84	2825.44	-63.56	137.03	19.30	138.38	8.02	1.13	1.13	-0.08	2
Velocity	2996	2919	15.68	23.49	N 23.5 E	85	2907.83	-68.23	156.30	27.25	158.66	9.89	3.54	3.47	2.82	2
Velocity	3080	3003	16.83	21.22	N 21.2 E	84	2988.47	-73.53	178.05	36.18	181.69	11.49	1.56	1.37	-2.70	2
Velocity	3165	3088	17.95	19.10	N 19.1 E	85	3069.59	-80.21	201.90	44.92	206.84	12.54	1.51	1.32	-2.49	2
Velocity	3249	3172	17.65	19.67	N 19.7 E	84	3149.57	-87.28	226.12	53.44	232.35	13.30	0.41	-0.36	0.68	2
Velocity	3333	3256	17.50	21.25	N 21.3 E	84	3229.65	-93.80	249.88	62.31	257.54	14.00	0.60	-0.18	1.88	2
Velocity	3418	3341	16.60	18.87	N 18.9 E	85	3310.91	-100.36	273.29	70.87	282.32	14.54	1.34	-1.06	-2.80	2
Velocity	3502	3425	16.46	18.81	N 18.8 E	84	3391.44	-107.16	295.90	78.58	306.16	14.87	0.17	-0.17	-0.07	2
Velocity	3587	3510	16.16	21.80	N 21.8 E	85	3473.02	-113.36	318.29	86.86	329.93	15.26	1.05	-0.35	3.52	2
Velocity	3671	3594	16.87	20.20	N 20.2 E	84	3553.55	-119.29	340.58	95.41	353.69	15.65	1.00	0.85	-1.90	2
Velocity	3756	3679	17.18	16.95	N 17.0 E	85	3634.83	-126.48	364.16	103.33	378.54	15.84	1.18	0.36	-3.82	2
Velocity	3840	3763	17.16	18.01	N 18.0 E	84	3715.09	-134.09	387.81	110.78	403.33	15.94	0.37	-0.02	1.26	2
Velocity	3924	3847	16.54	20.96	N 21.0 E	84	3795.48	-140.76	410.77	118.88	427.62	16.14	1.26	-0.74	3.51	2
Velocity	4009	3932	16.21	21.99	N 22.0 E	85	3877.03	-146.51	433.06	127.66	451.49	16.42	0.52	-0.39	1.21	2
Velocity	4093	4016	16.40	21.39	N 21.4 E	84	3957.66	-152.09	454.98	136.37	474.98	16.69	0.30	0.23	-0.71	2
Velocity	4178	4101	16.42	23.26	N 23.3 E	85	4039.19	-157.50	477.19	145.49	498.88	16.96	0.62	0.02	2.20	2
Velocity	4262	4185	16.52	21.01	N 21.0 E	84	4119.75	-162.95	499.25	154.46	522.59	17.19	0.77	0.12	-2.68	2
Velocity	4347	4270	16.72	19.85	N 19.9 E	85	4201.20	-169.22	522.03	162.95	546.87	17.34	0.46	0.24	-1.36	2
Velocity	4431	4354	16.17	22.38	N 22.4 E	84	4281.76	-175.07	544.21	171.50	570.59	17.49	1.07	-0.65	3.01	2
Velocity	4516	4439	15.99	24.20	N 24.2 E	85	4363.44	-180.00	565.83	180.81	594.02	17.72	0.63	-0.21	2.14	2
Velocity	4601	4524	16.22	22.02	N 22.0 E	85	4445.10	-185.00	587.52	190.06	617.49	17.93	0.76	0.27	-2.56	2



Velocity	4687	4610	16.43	18.77	N 18.8 E	86	4527.64	-191.25	610.17	198.48	641.64	18.02	1.09	0.24	-3.78	2
Velocity	4776	4699	17.95	24.19	N 24.2 E	89	4612.66	-197.50	634.60	208.15	667.86	18.16	2.48	1.71	6.09	2
Velocity	4863	4786	16.58	21.81	N 21.8 E	87	4695.74	-203.00	658.35	218.25	693.59	18.34	1.77	-1.57	-2.74	2
Velocity	4948	4871	16.12	17.98	N 18.0 E	85	4777.31	-209.37	680.84	226.40	717.49	18.39	1.38	-0.54	-4.51	2
Velocity	5034	4957	18.16	24.68	N 24.7 E	86	4859.49	-215.42	704.37	235.68	742.76	18.50	3.30	2.37	7.79	2
Velocity	5120	5043	16.44	21.46	N 21.5 E	86	4941.60	-220.83	727.88	245.73	768.24	18.65	2.29	-2.00	-3.74	2
Velocity	5205	5128	16.02	18.57	N 18.6 E	85	5023.21	-227.11	750.19	253.87	791.98	18.70	1.07	-0.49	-3.40	2
Velocity	5290	5213	16.33	17.77	N 17.8 E	85	5104.85	-234.11	772.69	261.25	815.66	18.68	0.45	0.36	-0.94	2
Velocity	5374	5297	16.92	17.57	N 17.6 E	84	5185.34	-241.41	795.59	268.54	839.69	18.65	0.71	0.70	-0.24	2
Velocity	5458	5381	16.97	18.83	N 18.8 E	84	5265.69	-248.63	818.85	276.19	864.17	18.64	0.44	0.06	1.50	2
Velocity	5544	5467	17.03	19.94	N 19.9 E	86	5347.93	-255.55	842.56	284.54	889.31	18.66	0.38	0.07	1.29	2
Velocity	5629	5552	16.43	19.34	N 19.3 E	85	5429.34	-262.18	865.61	292.76	913.77	18.69	0.73	-0.71	-0.71	2
Velocity	5716	5639	15.52	16.18	N 16.2 E	87	5512.98	-269.40	888.40	300.08	937.71	18.66	1.45	-1.05	-3.63	2
Velocity	5803	5726	15.06	16.38	N 16.4 E	87	5596.90	-276.90	910.42	306.51	960.63	18.61	0.53	-0.53	0.23	2
Velocity	5890	5813	15.07	19.15	N 19.2 E	87	5680.91	-283.73	931.95	313.41	983.23	18.59	0.83	0.01	3.18	2
Velocity	5932	5855	14.94	27.69	N 27.7 E	42	5721.48	-285.98	941.90	317.72	994.04	18.64	5.27	-0.31	20.33	2
Velocity	5976	5899	16.58	42.52	N 42.5 E	44	5763.84	-285.95	951.55	324.60	1005.39	18.84	9.85	3.73	33.70	2
Velocity	6018	5941	19.09	53.99	N 54.0 E	42	5803.83	-283.01	960.01	334.21	1016.52	19.19	10.25	5.98	27.31	2
Velocity	6062	5985	21.92	61.30	N 61.3 E	44	5845.05	-277.12	968.19	347.24	1028.57	19.73	8.66	6.43	16.61	2
Velocity	6106	6029	24.50	67.95	N 68.0 E	44	5885.49	-268.61	975.56	362.90	1040.87	20.40	8.35	5.86	15.11	2
Velocity	6150	6073	26.85	73.22	N 73.2 E	44	5925.15	-257.59	981.86	380.88	1053.14	21.20	7.44	5.34	11.98	2
Velocity	6194	6117	29.00	80.11	N 80.1 E	44	5964.03	-243.98	986.56	400.91	1064.90	22.12	8.81	4.89	15.66	2
Velocity	6237	6160	31.02	88.19	N 88.2 E	43	6001.28	-227.81	988.70	422.26	1075.10	23.13	10.50	4.70	18.79	2
Velocity	6266	6213	32.44	97.63	S 82.4 E	53	6046.39	-204.33	987.24	450.02	1084.97	24.51	9.73	2.68	17.81	3
Velocity	6310	6257	35.15	103.32	S 76.7 E	44	6082.96	-182.13	982.76	474.05	1091.11	25.75	9.46	6.16	12.93	3
Velocity	6354	6301	39.12	108.79	S 71.2 E	44	6118.04	-157.07	975.36	499.53	1095.84	27.12	11.73	9.02	12.43	3
Velocity	6398	6345	43.54	112.29	S 67.7 E	44	6151.08	-128.98	965.14	526.71	1099.51	28.62	11.33	10.05	7.95	3
Velocity	6442	6389	48.14	114.77	S 65.2 E	44	6181.72	-98.10	952.51	555.63	1102.73	30.26	11.21	10.45	5.64	3
Velocity	6486	6433	51.78	116.66	S 63.3 E	44	6210.03	-64.89	937.89	585.97	1105.89	32.00	8.90	8.27	4.30	3
Velocity	6530	6477	55.83	118.98	S 61.0 E	44	6236.01	-29.70	921.31	617.35	1109.02	33.83	10.14	9.20	5.27	3
Velocity	6575	6522	59.86	121.93	S 58.1 E	45	6259.95	8.25	901.98	650.17	1111.89	35.78	10.53	8.96	6.56	3
Velocity	6619	6566	62.85	124.77	S 55.2 E	44	6281.05	46.83	880.75	682.41	1114.18	37.77	8.85	6.80	6.45	3
Velocity	6662	6609	65.27	127.07	S 52.9 E	43	6299.86	85.49	858.06	713.72	1116.09	39.75	7.40	5.63	5.35	3
Velocity	6706	6653	68.75	128.40	S 51.6 E	44	6317.04	125.95	833.27	745.74	1118.24	41.83	8.38	7.91	3.02	3
Velocity	6751	6698	71.04	130.14	S 49.9 E	45	6332.51	168.10	806.52	778.45	1120.92	43.99	6.25	5.09	3.87	3
Velocity	6793	6740	72.78	131.09	S 48.9 E	42	6345.55	207.86	780.53	808.75	1123.97	46.02	4.67	4.14	2.26	3
Velocity	6836	6783	75.03	131.79	S 48.2 E	43	6357.47	248.94	753.19	839.72	1128.02	48.11	5.46	5.23	1.63	3
Velocity	6879	6826	78.62	133.50	S 46.5 E	43	6367.27	290.46	724.83	870.51	1132.77	50.22	9.20	8.35	3.98	3
Velocity	6922	6869	82.50	135.02	S 45.0 E	43	6374.32	332.36	695.23	900.88	1137.95	52.34	9.67	9.02	3.53	3
Velocity	6967	6914	85.81	135.15	S 44.9 E	45	6378.91	376.47	663.53	932.48	1144.46	54.57	7.36	7.36	0.29	3
Velocity	7011	6958	87.98	136.35	S 43.7 E	44	6381.29	419.68	632.07	963.13	1152.01	56.72	5.63	4.93	2.73	3
Velocity	7055	7002	87.45	135.09	S 44.9 E	44	6383.04	462.93	600.59	993.83	1161.21	58.85	3.10	-1.20	-2.86	3
Velocity	7099	7046	87.04	134.43	S 45.6 E	44	6385.16	506.29	569.64	1025.03	1172.69	60.94	1.76	-0.93	-1.50	3



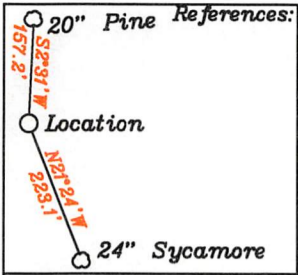
Velocity	7187	7134	89.48	135.69	S 44.3 E	88	6387.83	592.98	507.39	1087.16	1199.73	64.98	3.12	2.77	1.43	3
Velocity	7275	7222	89.59	136.47	S 43.5 E	88	6388.54	679.44	444.00	1148.20	1231.06	68.86	0.90	0.12	0.89	3
Velocity	7364	7311	88.79	136.81	S 43.2 E	89	6389.80	766.71	379.30	1209.30	1267.39	72.59	0.98	-0.90	0.38	3
Velocity	7452	7399	87.63	135.86	S 44.1 E	88	6392.55	853.06	315.68	1270.03	1308.67	76.04	1.70	-1.32	-1.08	3
Velocity	7541	7488	88.04	135.19	S 44.8 E	89	6395.91	940.60	252.22	1332.33	1356.00	79.28	0.88	0.46	-0.75	3
Velocity	7628	7575	90.42	137.16	S 42.8 E	87	6397.08	1026.04	189.46	1392.56	1405.39	82.25	3.55	2.74	2.26	3
Velocity	7717	7664	89.93	135.69	S 44.3 E	89	6396.81	1113.38	124.99	1453.91	1459.27	85.09	1.74	-0.55	-1.65	3
Velocity	7805	7752	89.33	134.98	S 45.0 E	88	6397.38	1200.05	62.40	1515.77	1517.05	87.64	1.06	-0.68	-0.81	3
Velocity	7891	7838	89.32	133.85	S 46.2 E	86	6398.39	1284.97	2.22	1577.19	1577.19	89.92	1.31	-0.01	-1.31	3
Velocity	7979	7926	90.21	133.98	S 46.0 E	88	6398.75	1371.99	-58.82	1640.58	1641.64	92.05	1.02	1.01	0.15	3
Velocity	8067	8014	89.85	132.92	S 47.1 E	88	6398.71	1459.11	-119.34	1704.47	1708.64	94.00	1.27	-0.41	-1.20	3
Velocity	8154	8101	89.02	133.79	S 46.2 E	87	6399.56	1545.26	-179.06	1767.72	1776.77	95.78	1.38	-0.95	1.00	3
Velocity	8243	8190	88.72	132.67	S 47.3 E	89	6401.32	1633.40	-240.00	1832.56	1848.21	97.46	1.30	-0.34	-1.26	3
Velocity	8331	8278	89.67	134.67	S 45.3 E	88	6402.56	1720.46	-300.76	1896.20	1919.90	99.01	2.52	1.08	2.27	3
Velocity	8419	8366	90.36	135.91	S 44.1 E	88	6402.53	1807.14	-363.30	1958.11	1991.52	100.51	1.61	0.78	1.41	3
Velocity	8507	8454	90.36	134.81	S 45.2 E	88	6401.98	1893.80	-425.91	2019.94	2064.35	101.91	1.25	0.00	-1.25	3
Velocity	8595	8542	89.79	131.77	S 48.2 E	88	6401.87	1980.95	-486.24	2083.98	2139.96	103.13	3.51	-0.65	-3.45	3
Velocity	8683	8630	89.73	132.06	S 47.9 E	88	6402.23	2068.37	-545.03	2149.47	2217.49	104.23	0.34	-0.07	0.33	3
Velocity	8771	8718	90.02	132.00	S 48.0 E	88	6402.43	2155.78	-603.95	2214.83	2295.70	105.25	0.34	0.33	-0.07	3
Velocity	8860	8807	88.82	130.67	S 49.3 E	89	6403.33	2244.29	-662.72	2281.65	2375.95	106.20	2.01	-1.35	-1.49	3
Velocity	8947	8894	88.73	129.94	S 50.1 E	87	6405.19	2330.94	-718.99	2347.99	2455.60	107.03	0.85	-0.10	-0.84	3
Velocity	9035	8982	89.18	131.01	S 49.0 E	88	6406.79	2418.58	-776.10	2414.91	2536.56	107.82	1.32	0.51	1.22	3
Velocity	9123	9070	89.35	131.66	S 48.3 E	88	6407.92	2506.09	-834.21	2480.98	2617.48	108.58	0.76	0.19	0.74	3
Velocity	9211	9158	90.21	134.30	S 45.7 E	88	6408.26	2593.30	-894.20	2545.36	2697.86	109.36	3.16	0.98	3.00	3
Velocity	9299	9246	89.38	132.88	S 47.1 E	88	6408.57	2680.39	-954.87	2609.09	2778.33	110.10	1.87	-0.94	-1.61	3
Velocity	9387	9334	89.59	132.57	S 47.4 E	88	6409.36	2767.66	-1014.58	2673.74	2859.76	110.78	0.43	0.24	-0.35	3
Velocity	9475	9422	88.99	134.28	S 45.7 E	88	6410.45	2854.78	-1075.06	2737.64	2941.16	111.44	2.06	-0.68	1.94	3
Velocity	9563	9510	89.32	134.27	S 45.7 E	88	6411.75	2941.71	-1136.49	2800.64	3022.45	112.09	0.38	0.37	-0.01	3
Velocity	9651	9598	89.29	135.28	S 44.7 E	88	6412.82	3028.52	-1198.46	2863.10	3103.82	112.71	1.15	-0.03	1.15	3
Velocity	9738	9685	89.35	136.52	S 43.5 E	87	6413.85	3114.04	-1260.93	2923.64	3183.97	113.33	1.43	0.07	1.43	3
Velocity	9826	9773	89.55	132.69	S 47.3 E	88	6414.70	3200.88	-1322.71	2986.28	3266.11	113.89	4.36	0.23	-4.35	3
Velocity	9911	9858	88.89	131.51	S 48.5 E	85	6415.85	3285.28	-1379.69	3049.34	3346.95	114.34	1.59	-0.78	-1.39	3
Velocity	9998	9945	89.27	132.68	S 47.3 E	87	6417.25	3371.67	-1438.01	3113.89	3429.89	114.79	1.41	0.44	1.34	3
Velocity	10084	10031	89.01	132.16	S 47.8 E	86	6418.54	3457.01	-1496.01	3177.37	3511.94	115.21	0.68	-0.30	-0.60	3
Velocity	10172	10119	92.06	132.98	S 47.0 E	88	6417.72	3544.30	-1555.53	3242.17	3596.02	115.63	3.59	3.47	0.93	3
Velocity	10258	10205	90.82	134.16	S 45.8 E	86	6415.56	3629.38	-1614.79	3304.45	3677.90	116.04	1.99	-1.44	1.37	3
Velocity	10343	10290	90.02	134.14	S 45.9 E	85	6414.94	3713.38	-1673.99	3365.44	3758.78	116.45	0.94	-0.94	-0.02	3
Velocity	10427	10374	89.48	134.57	S 45.4 E	84	6415.30	3796.35	-1732.71	3425.50	3838.80	116.83	0.82	-0.64	0.51	3
Velocity	10512	10459	88.89	135.45	S 44.6 E	85	6416.51	3880.14	-1792.82	3485.59	3919.64	117.22	1.25	-0.69	1.04	3
Velocity	10597	10544	88.93	135.22	S 44.8 E	85	6418.13	3963.84	-1853.27	3545.33	4000.49	117.60	0.27	0.05	-0.27	3
Velocity	10684	10631	88.94	135.38	S 44.6 E	87	6419.75	4049.52	-1915.09	3606.51	4083.45	117.97	0.18	0.01	0.18	3
Velocity	10769	10716	88.96	135.55	S 44.5 E	85	6421.30	4133.18	-1975.67	3666.12	4164.58	118.32	0.20	0.02	0.20	3
Velocity	10855	10802	89.51	134.75	S 45.3 E	86	6422.45	4217.92	-2036.64	3726.76	4246.96	118.66	1.13	0.64	-0.93	3



Velocity	10939	10886	88.62	134.33	S 45.7 E	84	6423.82	4300.83	-2095.55	3786.63	4327.80	118.96	1.17	-1.06	-0.50	3
Velocity	11025	10972	88.57	134.51	S 45.5 E	86	6425.93	4385.74	-2155.72	3848.03	4410.72	119.26	0.22	-0.06	0.21	3
Velocity	11110	11057	89.92	134.35	S 45.7 E	85	6427.05	4469.66	-2215.22	3908.72	4492.81	119.54	1.60	1.59	-0.19	3
Velocity	11195	11142	90.53	135.18	S 44.8 E	85	6426.72	4553.52	-2275.07	3969.07	4574.88	119.82	1.21	0.72	0.98	3
Velocity	11283	11230	90.75	133.29	S 46.7 E	88	6425.73	4640.46	-2336.46	4032.12	4660.15	120.09	2.16	0.25	-2.15	3
Velocity	11370	11317	89.79	131.38	S 48.6 E	87	6425.32	4726.81	-2395.04	4096.42	4745.20	120.31	2.46	-1.10	-2.20	3
Velocity	11458	11405	89.28	131.11	S 48.9 E	88	6426.04	4814.34	-2453.06	4162.59	4831.63	120.51	0.66	-0.58	-0.31	3
Velocity	11543	11490	88.77	130.72	S 49.3 E	85	6427.49	4898.93	-2508.72	4226.81	4915.24	120.69	0.76	-0.60	-0.46	3
Velocity	11629	11576	88.91	131.04	S 49.0 E	86	6429.23	4984.51	-2564.99	4291.82	4999.89	120.86	0.41	0.16	0.37	3
Velocity	11717	11664	90.64	131.95	S 48.1 E	88	6429.57	5072.00	-2623.29	4357.73	5086.40	121.05	2.22	1.97	1.03	3
Velocity	11804	11751	89.67	132.20	S 47.8 E	87	6429.34	5158.40	-2681.59	4422.31	5171.82	121.23	1.15	-1.11	0.29	3
Velocity	11892	11839	89.84	132.66	S 47.3 E	88	6429.71	5245.73	-2740.96	4487.26	5258.17	121.42	0.56	0.19	0.52	3
Velocity	11978	11925	89.42	132.11	S 47.9 E	86	6430.27	5331.09	-2798.94	4550.78	5342.63	121.59	0.80	-0.49	-0.64	3
Velocity	12063	12010	89.19	133.00	S 47.0 E	85	6431.30	5415.41	-2856.42	4613.39	5426.09	121.76	1.08	-0.27	1.05	3
Velocity	12151	12098	89.02	131.47	S 48.5 E	88	6432.67	5502.76	-2915.56	4678.53	5512.64	121.93	1.75	-0.19	-1.74	3
Velocity	12238	12185	89.22	131.01	S 49.0 E	87	6434.01	5589.29	-2972.90	4743.95	5598.50	122.07	0.58	0.23	-0.53	3
Velocity	12324	12271	89.93	133.68	S 46.3 E	86	6434.65	5674.65	-3030.83	4807.50	5683.13	122.23	3.21	0.83	3.10	3
Velocity	12411	12358	89.96	133.85	S 46.2 E	87	6434.73	5760.71	-3091.00	4870.33	5768.40	122.40	0.20	0.03	0.20	3
Velocity	12496	12443	90.08	132.95	S 47.1 E	85	6434.70	5844.87	-3149.41	4932.09	5851.86	122.56	1.07	0.14	-1.06	3
Velocity	12581	12528	89.45	132.13	S 47.9 E	85	6435.05	5929.21	-3206.87	4994.72	5935.59	122.70	1.22	-0.74	-0.96	3
Velocity	12667	12614	89.98	133.19	S 46.8 E	86	6435.48	6014.51	-3265.15	5057.96	6020.31	122.84	1.38	0.62	1.23	3
Velocity	12753	12700	91.07	134.21	S 45.8 E	86	6434.69	6099.59	-3324.56	5120.13	6104.79	123.00	1.74	1.27	1.19	3
Velocity	12840	12787	90.82	134.43	S 45.6 E	87	6433.26	6185.52	-3385.34	5182.36	6190.10	123.15	0.38	-0.29	0.25	3
Velocity	12925	12872	89.48	135.01	S 45.0 E	85	6433.03	6269.38	-3445.14	5242.76	6273.40	123.31	1.72	-1.58	0.68	3
Velocity	13009	12956	88.93	134.72	S 45.3 E	84	6434.20	6352.22	-3504.39	5302.29	6355.71	123.46	0.74	-0.65	-0.35	3
Velocity	13096	13043	88.65	134.97	S 45.0 E	87	6436.04	6438.01	-3565.73	5363.96	6441.00	123.61	0.43	-0.32	0.29	3
Velocity	13181	13128	88.84	135.05	S 45.0 E	85	6437.90	6521.79	-3625.83	5424.04	6524.33	123.76	0.24	0.22	0.09	3
Velocity	13266	13213	89.56	136.98	S 43.0 E	85	6439.08	6605.31	-3686.98	5483.06	6607.40	123.92	2.42	0.85	2.27	3
Velocity	13353	13300	89.33	135.77	S 44.2 E	87	6439.93	6690.70	-3749.96	5543.08	6692.38	124.08	1.42	-0.26	-1.39	3
Velocity	13435	13382	90.32	135.68	S 44.3 E	82	6440.18	6771.36	-3808.67	5600.32	6772.71	124.22	1.21	1.21	-0.11	3
Velocity	13522	13469	89.93	133.65	S 46.4 E	87	6439.99	6857.21	-3869.82	5662.20	6858.28	124.35	2.38	-0.45	-2.33	3
Velocity	13610	13557	90.59	135.35	S 44.7 E	88	6439.59	6944.09	-3931.50	5724.96	6944.91	124.48	2.07	0.75	1.93	3
Velocity	13696	13643	90.53	134.24	S 45.8 E	86	6438.75	7028.92	-3992.09	5785.98	7029.54	124.60	1.29	-0.07	-1.29	3
Velocity	13782	13729	89.93	133.82	S 46.2 E	86	6438.40	7113.94	-4051.86	5847.82	7114.39	124.72	0.85	-0.70	-0.49	3
Velocity	13867	13814	90.32	133.73	S 46.3 E	85	6438.22	7198.02	-4110.66	5909.19	7198.34	124.82	0.47	0.46	-0.11	3
Velocity	13952	13899	89.18	134.42	S 45.6 E	85	6438.59	7282.04	-4169.79	5970.26	7282.24	124.93	1.57	-1.34	0.81	3
Velocity	14038	13985	88.16	133.58	S 46.4 E	86	6440.58	7367.04	-4229.51	6032.10	7367.16	125.04	1.54	-1.19	-0.98	3
Velocity	14124	14071	89.73	133.46	S 46.5 E	86	6442.17	7452.15	-4288.72	6094.45	7452.21	125.13	1.83	1.83	-0.14	3
Velocity	14209	14156	89.61	133.39	S 46.6 E	85	6442.66	7536.31	-4347.15	6156.18	7536.33	125.23	0.16	-0.14	-0.08	3
Velocity	14294	14241	89.96	133.76	S 46.2 E	85	6442.98	7620.44	-4405.74	6217.76	7620.44	125.32	0.60	0.41	0.44	3
Last Svy	14367	14314	90.04	133.37	S 46.6 E	73	6442.98	7692.69	-4456.05	6270.66	7692.69	125.40	0.55	0.11	-0.53	3
Projection	14367	14367	90.04	133.37	S 46.6 E	53	6442.94	7745.17	-4492.44	6309.18	7745.18	125.45	0.00	0.00	0.00	3

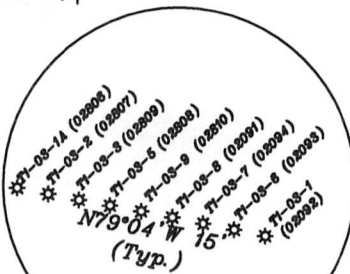
12/01/2023





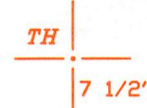
Notes:

- 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.
- Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 83.

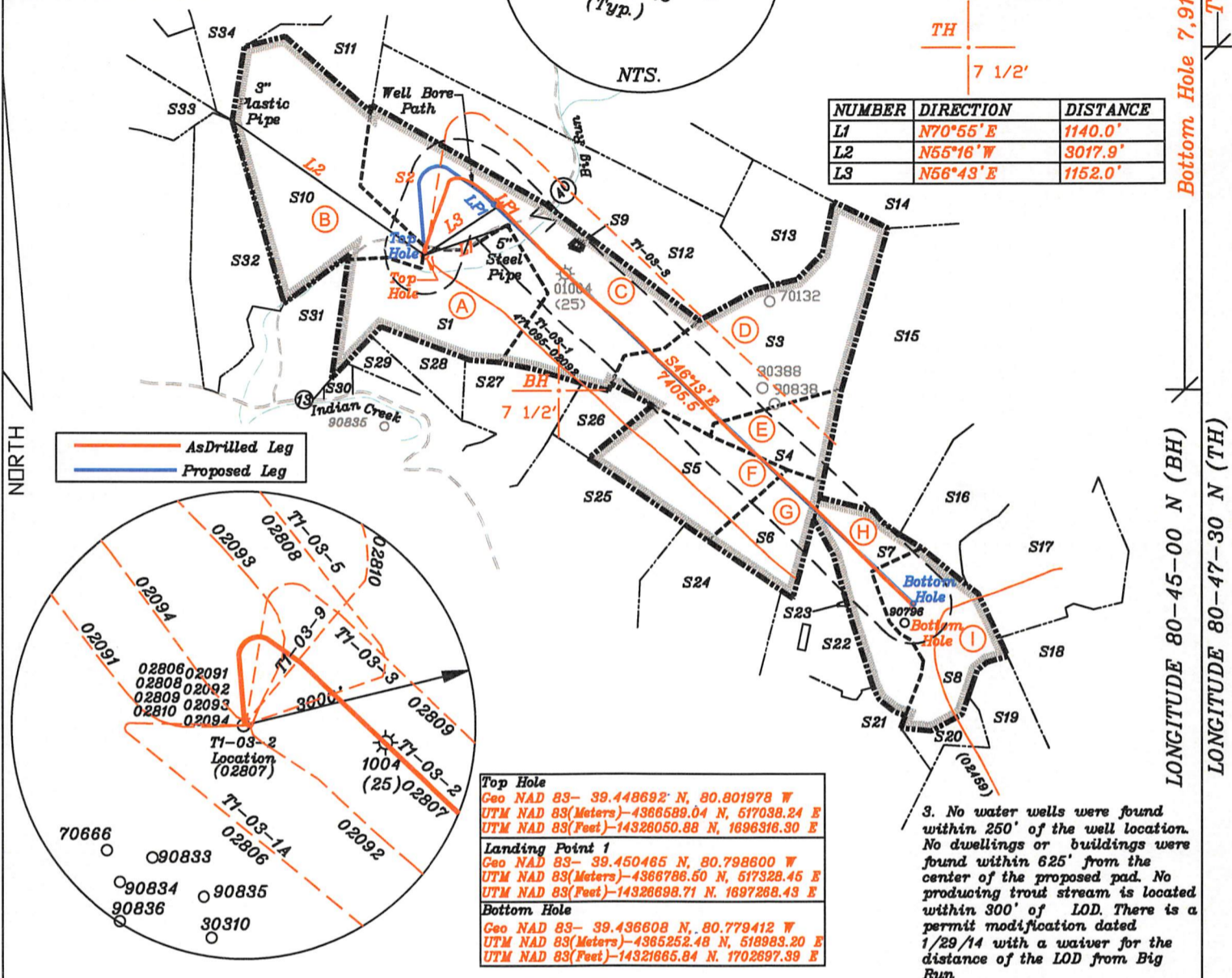


— LEGEND —

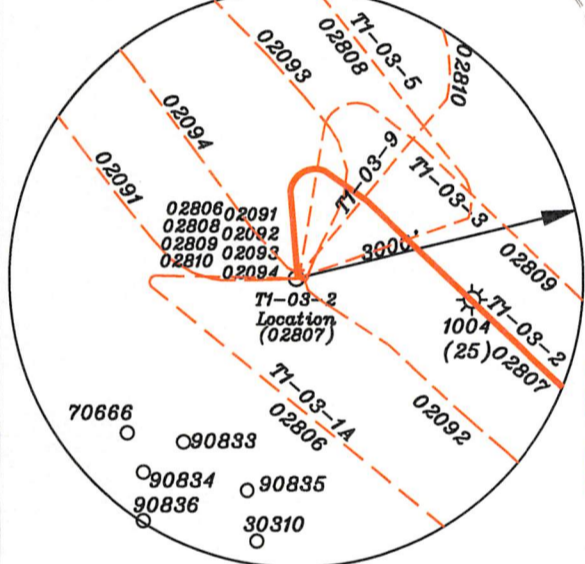
- 500' from Bore Path
- - - Well Lateral
- Unit Boundary
- - - Lease Tracts
- - - Surface Tracts
- (A) Well Bore Tracts



NUMBER	DIRECTION	DISTANCE
L1	N70°55'E	1140.0'
L2	N55°16'W	3077.9'
L3	N56°43'E	1152.0'



As Drilled Leg  
Proposed Leg



**Top Hole**  
Geo NAD 83- 39.448692 N, 80.801978 W  
UTM NAD 83(Meters)-4368589.04 N, 617038.24 E  
UTM NAD 83(Feet)-14326050.88 N, 1696316.30 E

**Landing Point 1**  
Geo NAD 83- 39.450465 N, 80.798600 W  
UTM NAD 83(Meters)-4366786.50 N, 617328.45 E  
UTM NAD 83(Feet)-14326898.71 N, 1697268.43 E

**Bottom Hole**  
Geo NAD 83- 39.436808 N, 80.779412 W  
UTM NAD 83(Meters)-4365252.48 N, 618983.20 E  
UTM NAD 83(Feet)-14321665.84 N, 1702697.39 E

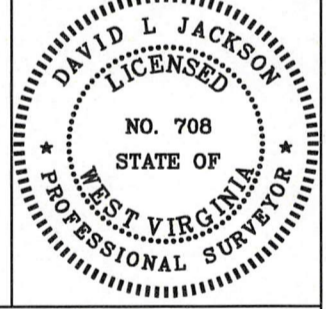
3. No water wells were found within 250' of the well location. No dwellings or buildings were found within 625' from the center of the proposed pad. No producing trout stream is located within 300' of LOD. There is a permit modification dated 1/29/14 with a waiver for the distance of the LOD from Big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

(+) 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.S. 708



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

DATE July 10, 2023  
OPERATOR'S WELL NO. T1-03-2  
API WELL NO. 47-095-02807

WELL TYPE: OIL GAS  LIQUID INJECTION WASTE DISPOSAL STATE            COUNTY            PERMIT             
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 724.2 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 638 ac  
LEASE NO. T1-03 See Page 2 12/01/2023

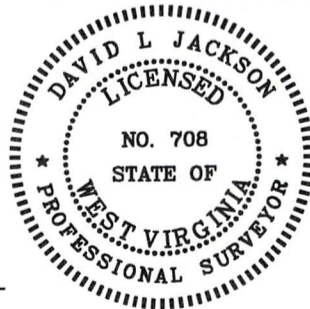
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) **ASDRILLED**

PLUG AND ABANDON CLEAN OUT AND REPLUG  
TARGET FORMATION Marcellus ESTIMATED DEPTH TVD: 6,443'; TMD 14,367'  
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



Tags	Number	Tax Map -Parcel	Surface Owner	Acres
A	S1	05-10-04	DONALD J LISBY & JUDITH A LISBY	80.0
C	S2	05-11-49	JUDY NICHOLS (LIFE ESTATE) & MARK L NICHOLS & MITCHELL B NICHOLS	133.71
D	S3	05-11-03	COASTAL FOREST RESOURCES CO	119.0
E	S4	05-11-10	EIGG LAND LIMITED	25.0
F	S5	05-11-12	SARAH GATRELL	47.0
G	S6	05-11-11	REX S GODDARD	25.0
H	S7	05-11-26	DAVID LEE KYLE	40.58
I	S8	05-11-36.1	JOHN W KILE, EST	50.0
	S9	05-11-01	HENRY WRIGHT, HRS.	0.29
B	S10	05-05-15	EDSEL HOOVER, TERRY & TERESA JACKSON, & EILEEN YOUNG	112.25
	S11	05-05-17	BRIAN K & KATHRYN A HAYDEN	61.73
	S12	05-06-41	DONALD J LISBY & JUDITH LISBY	115
	S13	05-11-02	KATHY ANN SEAGO ET AL	32.25
	S14	05-06-37	F M WHITE HRS & ELIJAH SPENCER ET AL & SYLVESTER WHITE HRS & RONALD HOOVER	108.0
	S15	05-11-04	DAVE & ANNIE UNDERWOOD, ESTS.	136.0
	S16	05-11-13	JENNY L HOOVER	30.05
	S17	05-11-27	JOHN & PATTY MONTGOMERY	65.0
	S18	05-11-36	JOHN W KILE, EST	57.0
	S19	05-11-41	TODD E & CONNIE L DAVIS	18.82
	S20	05-11-25.18	TODD E & CONNIE L DAVIS	10.868
	S21	05-11-25.15	LOVELL R & EILENE G DAVIS	12.28
	S22	05-11-25	BEVERLY GUYNN, ET AL	49.732
	S23	05-11-26.1	DAVID LEE KYLE	0.26
	S24	05-11-24	DONALD THOMAS; DALLAS YEATER & MARY ANN YEATER ROBERT LEE THOMAS	55.4
	S25	05-11-47.2	DARRIN H LEMASTERS	46.344
	S26	05-11-48	S.D. & M.E. SPENCER, ESTATE	18.25
	S27	P/O 05-10-12	JOSEPH BOYD	35.0
	S28	P/O 05-10-12	JOSEPH BOYD	10.25
	S29	05-10-11	LONNIE C & DEBBIE K FREY	85.0
	S30	05-10-47	JAMES WRIGHT	2.0
	S31	05-10-03	JASON M & AIMEE L STEVENS	27.25
	S32	05-10-02.14	JACK F STARCHER JR & ROBERTA A STARCHER	60.832
	S33	05-05-06	O P GATRELL ESTATE	72.5
	S34	05-05-14	LAURA L GARGASZ	62.5

Jay-Bee Oil & Gas, Inc. - T1-03-2 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	05-05-15	p/o T1-03	Bernice Baker, et al	391/342
C	05-11-49	p/o T1-03	Bernice Baker, et al	391/342
D	05-11-03	T3134	Lisa Diane Bastian, et al	495/292
E	05-11-10	p/o T1-03	Bernice Baker, et al	391/342
F	05-11-12	p/o T1-03	Bernice Baker, et al	391/342
G	05-11-11	p/o T1-03	Bernice Baker, et al	391/342
H	05-11-26	T3055C	David Lee Kyle, et al	485/241
I	05-11-36.1	p/o T3055B	Estate of Kathleen Ice Heintzman, Ann Laing, Admin., et al	467/749



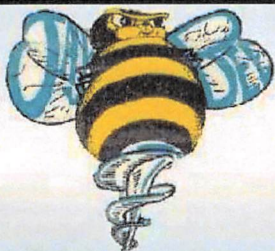
**Top Hole**  
 Geo NAD 83- 39.448692 N, 80.801979 W  
 UTM NAD 83(Meters)-4366589.06 N, 517038.15 E  
 UTM NAD 83(Feet)-14328050.93 N, 1896315.99 E

**Landing Point 1**  
 Geo NAD 83- 39.450603 N, 80.798838 W  
 UTM NAD 83(Meters)-4366790.89 N, 517308.02 E  
 UTM NAD 83(Feet)-14326712.44 N, 1897201.39 E

**Bottom Hole**  
 Geo NAD 83- 39.436635 N, 80.779385 W  
 UTM NAD 83(Meters)-4365211.11 N, 5169234.4 E  
 UTM NAD 83(Feet)-14321675.82 N, 1702704.73 E

P.S. 708

*David L Jackson*



Jay Bee Oil & Gas  
**DRILLING**  
 into the future

OPERATOR'S  
 WELL #: T1-03-2  
 DISTRICT: McElroy  
 COUNTY: Tyler  
 STATE: WV  
 API #: 47-095-02807

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