

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

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Office of Oil and Gas

DEC 29 2020

API 47 - 051 - 01980 County Marshall District Franklin WV Department of Environmental Protection  
Quad Powhatan Point 7.5' Pad Name Bryan Field/Pool Name \_\_\_\_\_  
Farm name CNX Land Resources, Inc. Well Number Bryan S-9HM  
Operator (as registered with the OOG) Tug Hill Operating, LLC  
Address 380 Southpointe Boulevard, Plaza II, Suite 200 City Canonsburg State PA Zip 15317

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4,402,890.15 Easting 519,128.15  
Landing Point of Curve Northing 4,403,018.88 Easting 519,576.63  
Bottom Hole Northing 4,401,156.85 Easting 520,635.25

Elevation (ft) 1191.8' 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)  
SOBM; Base oil, osmotic inhibitor, weighting agent, viscosifier, emulsifier, hardness buffer, fluid loss additive, LCM, Shale inhibitor, de-foamer, soaping agent, coagulant, flocculant; specific additives per WSSP and Permit.

Date permit issued 2/7/2018 Date drilling commenced 9/23/2018 Date drilling ceased 5/2/2019  
Date completion activities began 1/11/2020 Date completion activities ceased 1/30/2020  
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 831' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1595' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 729-735', 824-830' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by: \_\_\_\_\_

API 47-051 - 01980 Farm name CNX Land Resources, Inc. Well number Bryan S-9HM

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	36"	30"	120'	NEW	94.5#	N/A	Y
Surface	17 1/2"	13 3/8"	926'	NEW	54.5#	N/A	Y
Coal	17 1/2"	13 3/8"	926'	NEW	54.5#	N/A	Y
Intermediate 1	12 1/4"	9 5/8"	2,671'	NEW	36#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8 3/4"	5 1/2"	14,247'	NEW	20#	N/A	Y
Tubing		2 3/8"	7,124'	NEW	4.7#	N/A	Y
Packer type and depth set							

Comment Details \_\_\_\_\_

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	A		15.6	1.19		0	8
Surface	A	1016	15.6	1.19	1216	0	8
Coal	A	1016	15.6	1.19	1216	0	8
Intermediate 1	A	1086	15.6	1.19	1276	0	8
Intermediate 2							
Intermediate 3							
Production	A	3362	14.5	1.17	3948	0	8
Tubing							

Drillers TD (ft) 14,276' Loggers TD (ft) n/a  
 Deepest formation penetrated Marcellus Plug back to (ft) n/a  
 Plug back procedure n/a

Kick off depth (ft) 6,085'

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

Well cored  Yes  No Conventional Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING 3 centralizers on surface casing at equal distance.  
 Intermediate - 1 centralizer every other joint.  
 Production - one centralizer every other joint in lateral, one centralizer every joint through curve, one centralizer every other joint to surface.

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 \_\_\_\_\_





**Bryan S-9HM**  
**PEFORATION RECORD**

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD. Ft.	Number of Perforations	Formation(s)
1	1/12/2020	13896	14012	48	Marcellus
2	1/12/2020	13756	13872	48	Marcellus
3	1/12/2020	13616	13732	48	Marcellus
4	1/13/2020	13476	13592	48	Marcellus
5	1/13/2020	13336	13452	48	Marcellus
6	1/14/2020	13196	13312	48	Marcellus
7	1/14/2020	13056	13172	48	Marcellus
8	1/14/2020	12916	13032	48	Marcellus
9	1/15/2020	12776	12892	48	Marcellus
10	1/15/2020	12636	12752	48	Marcellus
11	1/15/2020	12496	12612	48	Marcellus
12	1/16/2020	12356	12472	48	Marcellus
13	1/16/2020	12216	12332	48	Marcellus
14	1/16/2020	12076	12192	48	Marcellus
15	1/16/2020	11936	12052	48	Marcellus
16	1/17/2020	11796	11912	48	Marcellus
17	1/17/2020	11656	11772	48	Marcellus
18	1/18/2020	11516	11632	48	Marcellus
19	1/18/2020	11376	11492	48	Marcellus
20	1/18/2020	11236	11352	48	Marcellus
21	1/18/2020	11096	11212	48	Marcellus
22	1/19/2020	10956	11072	48	Marcellus
23	1/19/2020	10816	10932	48	Marcellus
24	1/19/2020	10676	10792	48	Marcellus
25	1/19/2020	10536	10652	48	Marcellus
26	1/20/2020	10396	10512	48	Marcellus
27	1/20/2020	10256	10372	48	Marcellus
28	1/21/2020	10116	10232	48	Marcellus
29	1/21/2020	9976	10092	48	Marcellus
30	1/21/2020	9836	9952	48	Marcellus
31	1/21/2020	9696	9812	48	Marcellus
32	1/22/2020	9556	9672	48	Marcellus
33	1/23/2020	9416	9532	48	Marcellus
34	1/23/2020	9276	9392	48	Marcellus
35	1/23/2020	9136	9252	48	Marcellus
36	1/23/2020	8996	9112	48	Marcellus
37	1/25/2020	8856	8972	48	Marcellus
38	1/26/2020	8716	8832	48	Marcellus
39	1/26/2020	8576	8692	48	Marcellus
40	1/26/2020	8436	8552	48	Marcellus
41	1/26/2020	8296	8412	48	Marcellus

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42	1/27/2020	8156	8272	48	Marcellus
43	1/28/2020	8016	8132	48	Marcellus
44	1/28/2020	7876	7992	48	Marcellus
45	1/28/2020	7736	7852	48	Marcellus
46	1/29/2020	7596	7712	48	Marcellus
47	1/29/2020	7456	7572	48	Marcellus
48	1/30/2020	7316	7432	48	Marcellus
49	1/30/2020	7176	7292	48	Marcellus

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**BRYAN S-9HM**  
**STIMULATION INFORMATION PER STAGE**

Stage No.	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	89.33	7854	5579	3596	350210	7321	0
2	88.78	7602	5434	4212	347005	7372	0
3	88.96	7609	5365	4675	353285	7786	0
4	89.3	7734	5279	4464	350070	6963	0
5	88.24	7554	4957	4536	349645	7089	0
6	89.4	7602	5189	4199	285720	6302	0
7	89.2	7226	5070	4529	350790	7055	0
8	89.3	7474	5664	4623	320140	7157	0
9	88.91	7512	5401	4360	290200	6666	0
10	89.3	7443	5538	4222	314020	7138	0
11	89.53	7593	5155	4017	312280	7801	0
12	89.25	7281	5157	4578	321380	6682	0
13	89.7	7116	5497	4332	350395	7111	0
14	89.5	7007	5330	4932	324620	6755	0
15	89.3	7027	5277	4447	351065	6775	0
16	89.31	6995	5104	4840	356310	6853	0
17	88.8	7155	5314	4635	315350	7063	0
18	98.5	7645	5221	4683	352320	7229	0
19	98.7	7674	5293	4512	364320	7608	0
20	87	7316	5502	4822	364740	7396	0
21	89	6966	5217	4157	352690	7055	0
22	89.5	6995	5214	4618	349335	6554	0
23	89.6	6902	5146	4692	349340	7007	0
24	89.7	6785	5386	4669	351285	7030	0
25	89	5188	5188	4981	342758	6625	0
26	89.7	6946	5374	4575	350960	7102	0
27	89.74	7098	5077	4762	351713	6764	0
28	89.38	6840	5265	4942	349110	7246	0
29	89.6	6709	5276	4935	352710	6713	0
30	89.4	6698	5464	4850	350885	6866	0
31	89.3	6653	5319	4598	351780	6725	0
32	87.91	6906	5530	4725	354345	7034	0

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Stage No.	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)
33	88.81	6728	4975	5006	351840	6852	0
34	89.1	6868	5154	4952	363380	6892	0
35	89.4	6674	5281	4866	351805	7027	0
36	89.7	6740	5470	4766	351565	6956	0
37	89.15	6827	5157	4940	352030	6620	0
38	89.37	6635	4945	5044	348470	6648	0
39	89.7	6625	5356	4653	353915	6677	0
40	89.7	6593	5248	4683	352250	6744	0
41	89.07	6678	5082	4961	348720	6612	0
42	89.5	6567	5352	5034	350185	6928	0
43	89.12	6679	5105	4838	350135	6751	0
44	89.68	6622	5247	5565	352865	6880	0
45	89.22	6438	5202	5369	356455	6799	0
46	89.4	6524	5388	4935	350250	6696	0
47	89.4	6270	5459	4759	351695	6766	0
48	89.55	6442	5004	4857	352420	6781	0
49	89.6	6251	5518	4869	350375	6880	0

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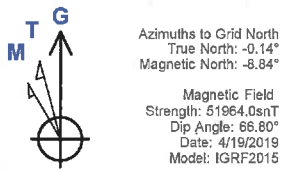
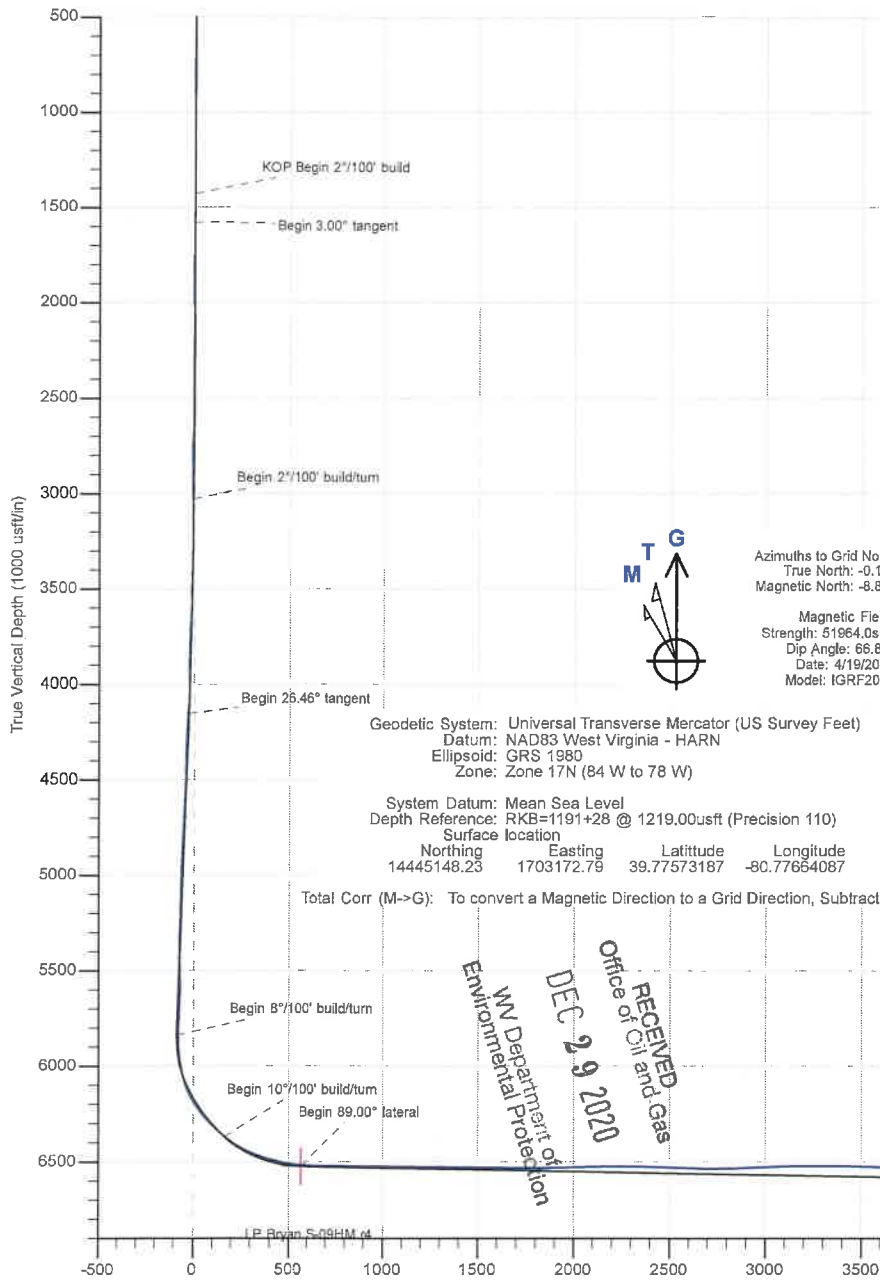
BRYAN S-9HM

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
Maxton	1935	2025	1936	2026	Sandstone
Big Lime	2025	2095	2026	2096	Limestone
Big Injun	2095	2379	2096	2381	Sandstone
Weir	2379	2574	2381	2576	Sandstone
Berea	2574	2919	2576	2921	Sandstone
Gordon	2919	2973	2921	2976	Sandstone
Fifty Foot	2973	3521	2976	3528	Sandstone
Speechley	3521	4943	3528	5086	Sandstone
Benson	4943	5318	5086	5504	Sandstone
Alexander	5318	5884	5504	6128	Siltstone
Rhinestreet	5884	6299	6128	6619	Black shale
Middlesex	6299	6375	6619	6737	Black shale
Geneseo/Burkett	6375	6400	6737	6781	Black shale
Tully	6400	6437	6781	6854	Limestone
Hamilton	6437	6486	6854	6988	Grey shale
Marcellus	6486	-	6988	-	Black shale

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Well: **Bryan S-09HM (slot I)**  
 Site: **Bryan Pad**  
 Project: **Marshall County, West Virginia.**  
 Design: **rev4**  
 Rig: **Precision 110**

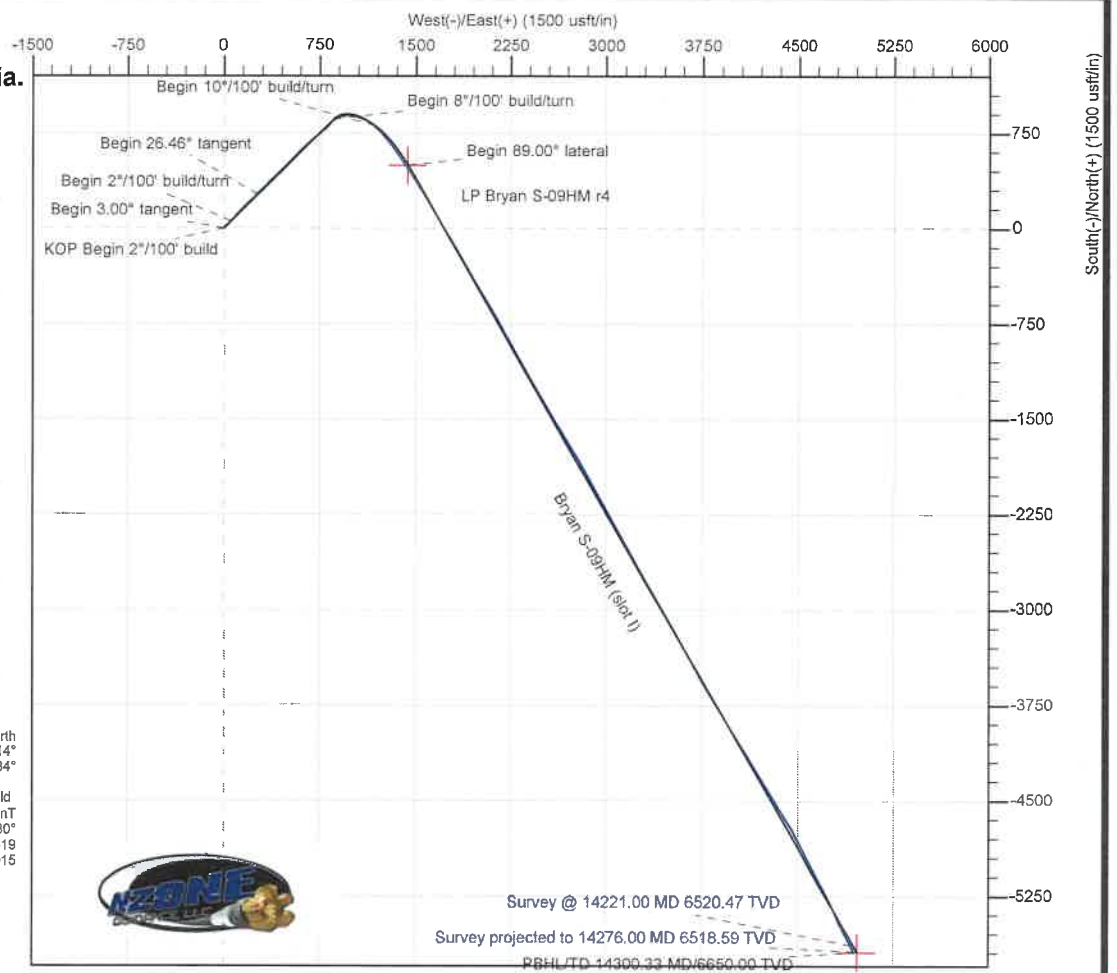


Geodetic System: Universal Transverse Mercator (US Survey Feet)  
 Datum: NAD83 West Virginia - HARN  
 Ellipsoid: GRS 1980  
 Zone: Zone 17N (84 W to 78 W)

System Datum: Mean Sea Level  
 Depth Reference: RKB=1191+28 @ 1219.00usft (Precision 110)  
 Surface location  
 Northing Easting Latitude Longitude  
 14445148.23 1703172.79 39.77573187 -80.77664087

Total Corr (M->G): To convert a Magnetic Direction to a Grid Direction, Subtract 8.839°

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Survey @ 14221.00 MD 6520.47 TVD

Survey projected to 14276.00 MD 6518.59 TVD

PBHL/TD 14300.33 MD/6650.00 TVD

**SECTION DETAILS**

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSec	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1428.00	0.00	0.00	1428.00	0.00	0.00	0.00	0.00	0.00	KOP Begin 2°/100' build
3	1578.00	3.00	44.96	1577.93	2.78	2.77	2.00	44.960	-0.27	Begin 3.00° tangent
4	3030.06	3.00	44.96	3028.00	56.55	56.47	0.00	0.000	-5.44	Begin 2°/100' build/turn
5	4203.28	26.46	44.96	4154.74	266.20	265.82	2.00	-0.002	-25.60	Begin 26.46° tangent
6	6084.96	26.46	44.96	5839.24	859.58	858.33	0.00	0.000	-82.67	Begin 8°/100' build/turn
7	6729.08	50.00	127.10	6370.90	808.86	1178.39	8.00	104.248	166.10	Begin 10°/100' build/turn
8	7172.31	89.00	150.27	6525.00	498.41	1436.69	10.00	34.267	569.84	Begin 89.00° lateral
9	14300.33	89.00	150.27	6550.00	-5690.42	4971.02	0.00	0.000	7555.92	PBHL/TD 14300.33 MD/6650.00 TVD

**ANNOTATIONS SURVEYS**

MD	Inc	Azi	TVD	+N-S	+E-W	VSec	Annotation
198.00	0.35	197.87	198.00	-0.58	-0.19	0.31	MWD surveys
14221.00	91.96	152.53	6520.47	-5637.91	4919.19	7482.28	Survey @ 14221.00 MD 6520.47 TVD
14276.00	91.96	152.53	6518.59	-5686.68	4944.54	7535.69	Survey projected to 14276.00 MD 6518.59 TVD

Survey @ 14221.00 MD 6520.47 TVD

Survey projected to 14276.00 MD 6518.59 TVD

PBHL/TD 14300.33 MD/6650.00 TVD

Vertical Section at 138.86° (1000 usft/in)

## Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	1/11/2020
Job End Date:	1/30/2020
State:	West Virginia
County:	Marshall
API Number:	47-051-01980-00-00
Operator Name:	Tug Hill Operating, LLC
Well Name and Number:	Bryan S 9 HM
Latitude:	39.77573187
Longitude:	-80.77664087
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,528
Total Base Water Volume (gal):	14,753,396
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
Produced Mixture	Halliburton	Base Fluid					
			Water	7732-18-5	100.00000	87.66082	Density = 8.34
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.21104	

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MC MX 8-4743	MultiChem	Additive					
				Listed Below			
LEGEND(TM) LD-7750W	MultiChem	Scale Control					
				Listed Below			
OilPerm A	Halliburton	Non-ionic Surfactant					
				Listed Below			
FDP-S1296-17	Halliburton	Acid Corrosion Inhibitor					
				Listed Below			
Sand-Premium White-40/70	Halliburton	Proppant					
				Listed Below			
LD-2950	MultiChem	Friction Reducer					
				Listed Below			
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
				Listed Below			
HYDROCHLORI C ACID, 22 BAUME	Halliburton	Solvent					
				Listed Below			
Sand-Premium White-30/50	Halliburton	Proppant					

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				Listed Below			
Items above are Trade Names with the exception of Base Water . Items below are the individual ingredients.							
			Crystalline silica, quartz	14808-60-7	100.00000	12.05384	
			Complex Amine Compound	Proprietary	60.00000	0.05757	
			Hydrochloric acid	7647-01-0	30.00000	0.04389	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.02879	
			Sodium nitrate	7631-99-4	60.00000	0.02091	
			Methanol	67-56-1	100.00000	0.00572	
			Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched	69011-36-5	1.00000	0.00096	
			Adipic acid	124-04-9	1.00000	0.00096	
			Ethoxylated alcohols	Proprietary	1.00000	0.00096	
			Phosphoric Acid Salt	Proprietary	5.00000	0.00043	
			Sodium chloride	7647-14-5	5.00000	0.00043	
			Ethanol	64-17-5	60.00000	0.00033	
			Oxyalkylated nonyl phenolic resin	Proprietary	30.00000	0.00017	
			Heavy aromatic petroleum naphtha	64742-94-5	30.00000	0.00017	
			Modified thiourea polymer	Proprietary	30.00000	0.00016	
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00016	
			Oxyalkylated phenolic resin	Proprietary	10.00000	0.00006	
			Naphthalene	91-20-3	5.00000	0.00003	
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5.00000	0.00003	
			Propargyl alcohol	107-19-7	5.00000	0.00003	

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			Ethoxylated alcohols	Proprietary	5.00000	0.00003	
			Hexadecene	629-73-2	5.00000	0.00003	
			Formaldehyde	50-00-0	0.10000	0.00001	
			1,2,4 Trimethylbenzene	95-63-6	1.00000	0.00001	

\* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

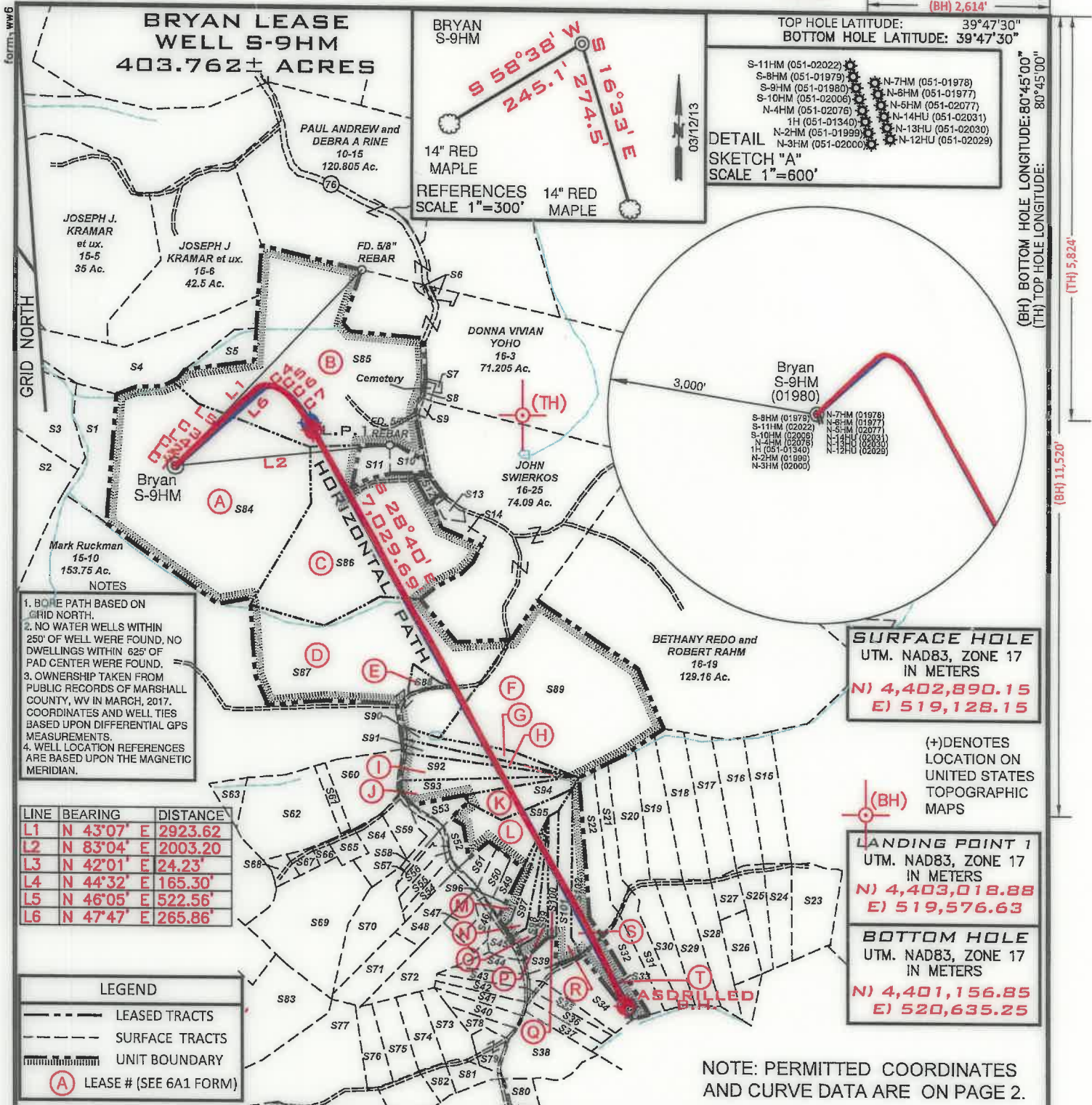
\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

\*\*\* If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

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)

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FILE NUMBER \_\_\_\_\_  
DRAWING NUMBER **BRYAN\_WP\_S-9HM**  
SCALE **1" = 1500'**  
MINIMUM DEGREE OF ACCURACY **1/200**  
PROVEN SOURCE OF ELEVATION **SUBMETER MAPPING GRADE GPS**

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

*David L Jackson*



JACKSON SURVEYING INC.  
P.O. Box 1480  
Clarksburg, WV 26302  
304-623-5851

WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET, SE  
CHARLESTON, WV 25304

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
LOCATION ELEVATION **1191.8'** WATERSHED (HUC 10) **Fish Creek**

DATE: **AUGUST 27, 2020**  
OPERATORS WELL NO. **BRYAN S-9HM**  
API WELL NO. **47-051-01980**  
STATE COUNTY PERMIT

DISTRICT **Franklin** COUNTY **Marshall**  
QUADRANGLE **Powhatan Point 7.5'** LEASE NUMBER **SEE WW-6A1 Form**

SURFACE OWNER **CNX LAND RESOURCES, INC.** ACREAGE **81.98**  
OIL & GAS ROYALTY OWNER **MICHAEL R. BRYAN - SEE WW 6A1** LEASE ACREAGE **81.98**  
PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_  
PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE (SPECIFY) **ASDRILLED**

TARGET FORMATION **Marcellus** ESTIMATED DEPTH **TVD: 6,554' TMD: 13,700'**

WELL OPERATOR **TUG HILL OPERATING, LLC** DESIGNATED AGENT **DIANNA STAMPER CT CORPORATION SYSTEM**  
ADDRESS **1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107** ADDRESS **5400 D BIG TYLER ROAD CHARLESTON, WV 25313**

COUNTY NAME  
PERMIT

**BRYAN LEASE  
WELL S-9HM  
403.762± ACRES**

**SURFACE HOLE**  
UTM. NAD83, ZONE 17  
**N) 4,402,889.99**  
**E) 519,128.10**

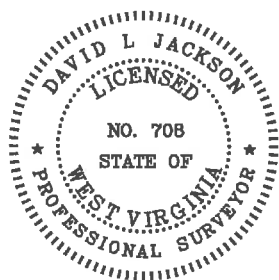
CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	N 50°02' E	41.36'	48.98'	42.70'
C2	N 39°20' E	17.74'	13.40'	19.39'
C3	N 46°09' E	181.02'	1068.71'	181.23'
C4	N 81°48' E	183.32'	189.35'	168.86'
C5	S 67°31' E	88.33'	331.73'	88.59'
C6	S 48°14' E	218.75'	496.61'	218.51'
C7	S 33°54' E	349.28'	2435.39'	349.58'

**LANDING POINT 1**  
UTM. NAD83, ZONE 17  
IN METERS  
**N) 4,403,041.90**  
**E) 519,565.97**

**BOTTOM HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
**N) 4,401,155.54**  
**E) 520,643.27**

GRID NORTH

Number	TAX MAP -PARCEL	ADJOINER OWNER	ACRES	S52	18-49		
S1	15-13	CNX Land Resources Inc.	11.0	S53	18-50	Tanner Butler	2.023
S2	15-12	John David Petrock Et Ux	150.23	S54	18-45	Steven Berisford	2.170
S3	15-14	John David Petrock Et Ux	25.0	S55	18-46	Michael Fincham & Kezia Winters	2.07
S4	15-6.1	Joseph J. Kramer Et Ux	39.40	S56	18-47	Dale W. & Patricia Gardner	2.030
S5	15-7	Terry D. Rose Et Ux	4.5	S57	18-13.5	Robert Pelley II & Susan Briggs	2.010
S6	16-3.2	Jimmy Ostrander Sr. Et Ux	1.435	S58	18-36	Wesley Bryan	1.023
S7	16-3.1	Dennis Jackson Et Ux	0.27	S59	18-15.2	Ruth Mulligan Est.	2.030
S8	16-2	Fredonia Christian Church	0.19	S60	18-11	Edward Burge	4.171
S9	16-1	Fredonia Christian Church	0.50	S61	18-11.2	Benjamin Robinson	1.023
S10	16-23.1	Ray E. Minor Et Ux	2.0	S62	18-11.1	Edward Lee Burge Jr.	18.0
S11	16-23.4	Michael R. & Brenda K. Bryan	3.0	S63	18-15	Edward Lee Burge Jr.	2.495
S12	16-23.3	Greg & Christina Riddle	1.0	S64	18-15.1	Jason Blair	5.948
S13	16-24	Alan M. Beyser Et Ux	1.083	S65	18-12	William Wayne Et Ux	2.27
S14	16-23.2	Alan M. Beyser Et Ux	1.726	S66	18-10	David & Nancy Anderson	0.907
S15	17-16	Glen A. Gunto	9.702	S67	18-10.2	David Anderson Et Ux	1.377
S16	16-15.1	Glen A. Gunto	10.17	S68	18-10.1	David Anderson Et Ux	1.65
S17	17-15	Glen A. Gunto	10.22	S69	18-15.5	Darrell & Teresa Boley	23.547
S18	18-13	Southern Country Farms Inc.	11.415	S70	18-13.3	Robert Closterman	9.813
S19	18-13.9	Roy & Renee Butler	9.603	S71	18-17	Michael S. Fincham & Kezia M. Winters	6.555
S20	18-13.4	Renee D. Streight	9.938	S72	18-13.1	Betty Tagg Est.	9.248
S21	18-13.12	Charles A. & Mary Nice	5.969	S73	18-13.7	Victor W. Woods Jr. & Jessica L. Woods	5.255
S22	18-13	Southern Country Farms Inc.	8.037	S74	18-13.6	Glenn Eugene Whisler Et Ux	5.384
S23	17-3.1	Wilbur L. Riddle Et Ux	10.148	S75	18-13.13	Glenn E. & Sandra K. Whisler	5.59
S24	17-1.6	Lola M. Slaughter	6.347	S76	18-34	Jodi A. & Gary A. Hall	5.002
S25	17-1.5	Donnie R. & Lola M. Slaughter	5.607	S77	18-13	Southern Country Farms Inc.	24.724
S26	17-1.3	Jody & Michelle Anderson	5.0	S78	18-57	Marvin D. Roberts	2.228
S27	17-1.2	Donnie R. & Lola M. Slaughter	5.073	S79	18-18	Linda Coen	3.0
S28	17-1.1	Donnie R. & Lola M. Slaughter	8.078	S80	17-10.4	Ron Murrin Et Al	2.01
S29	17-1.4	Donnie R. & Lola M. Slaughter	8.844	S81	18-48	Marvin Dean Roberts Et Al	2.920
S30	17-14	Southern Country Farms Inc.	7.314	S82	18-13.14	Glenn & Sandra Whisler	2.116
S31	17-13	Roy E. & Renee Butler	5.433	S83	18-16	Charles Yeater	17.768
S32	17-1.7	Roy E. & Renee Butler	5.22	S84	15-09	CNX Land Resources Inc.	81.98
S33	17-1	Southern Country Farms Inc.	5.030	S85	15-08	Terry D. Rose et ux	77.11
S34	18-13	Southern Country Farms Inc.	8.743	S86	16-23	CNX Land Resources Inc.	60.138
S35	18-58	Kevin W. Roberts	2.435	S87	16-22	James M. Ruckman et ux	54.605
S36	18-35	Mary Anderson	2.635	S88	16-22.1	Heather A. Burgy	1.465
S37	18-42	Roger Howard Hall	2.383	S89	16-21	James M. Ruckman et ux	60.75
S38	18-19	Roger Howard Hall Jr.	10.0	S90	18-56	William O'Hara	3.965
S39	18-53	Christopher M. Previtara	2.0	S91	18-55	William O'Hara	3.202
S40	18-61	Roger White Jr.	2.984	S92	18-28	Dotson Harrison	6.36
S41	18-52	Roger Hall	2.536	S93	18-28.1	Carol Helmick	5.696
S42	18-51	Roger Hall	2.505	S94	18-13.2	Steven Berisford	6.023
S43	18-43	Roy E. & Renee Butler	2.532	S95	18-13	Southern Country Farms, Inc.	11.054
S44	18-44	Renee Streight Butler	2.133	S96	18-27.1	Marlon R. Conner	2.003
S45	18-25	Charles & Maria Rayl	2.133	S97	18-27.2	Linda L. Moore	3.009
S46	18-41	Cory A. Holt	2.308	S98	18-27	Linda L. Moore	2.447
S47	18-40	Cory A. Holt	2.237	S99	18-26	Linda L. Moore	2.624
S48	18-14	Michael Fincham & Kezia Winters	6.386	S100	18-13.11	Linda L. Moore	3.156
S49	18-39	Marlon R. Conner	2.001	S101	18-53.1	Christopher M. Previtara	6.283
S50	18-38	Marlon R. Conner	2.231	S102	18-60	Christopher M. Previtara	6.297
S51	18-37	John W. Wetzel	2.064				



P.S. 708

*David L Jackson*



**TUG HILL  
OPERATING**

OPERATOR'S  
WELL #: Bryan S-9HM  
API #: 47-051-01980  
DISTRICT: Franklin  
COUNTY: Marshall  
STATE: WV

**WELL PLAT**  
**PAGE 2 OF 2**  
**DATE: 08/27/20**