

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

API 47-103-02781 County Wetzel District Grant  
Quad Pine Grove Pad Name WVDNR Pad 6 Field/Pool Name Jacksonburg  
Farm name West Virginia Conservation Commission Well Number WVDNR # 1207  
Operator (as registered with the OOG) Triad Hunter, LLC  
Address 777 Post Oak Blvd. Suite 910 City Houston State Texas Zip 77056

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4372887.8 Easting 529420.8  
Landing Point of Curve Northing 4373150.8 Easting 528979.2  
Bottom Hole Northing 4373942.2 Easting 528493.7

Elevation (ft) 1450' 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 Base Mud; HT Light Mineral Oil, Synvert TWA & LWA - thinner and wetting agents, Synvert L-1 primary emulsifier, and Cimbar - weighting and filler material

Date permit issued 8/28/2012 Date drilling commenced 8/10/2013 Date drilling ceased 10/30/2013  
Date completion activities began 1/10/2014 Date completion activities ceased 3/13/2014  
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 surface - 400' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1,750' - 2,750' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 1,600' - 1,900' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

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Reviewed by:  
JK 6/25/15  
WS 7/01/15

**Completions Summary**

**WVDNR 1207**

API	Total Depth (ft)	Landing Point MD (ft)	Landing Point Angle (Degrees)	Effective Lateral Length (ft)	TVD (ft)	Tubing Depth (ft)	Tubing Size (OD)	Tubing Angle (Degrees)	Casing Depth (ft)	Casing Size (OD)
47-103-02781	12,195	8,221	90	3,974	7,500				12,195	5 1/2

Stages	Perforation Intervals	Footage	Stage Intervals	Footage	Total Volume (bbl)	Average Rate (bpm)	Formation Break (PSI)	Average Pressure (PSI)	80/100 Mesh Pumped (Lb)	40/70 Mesh Pumped (Lb)	20/40 Mesh Pumped (Lb)	Total Sand Pumped (Lb)	ISIP (PSI)	Completed per design	Notes on Frac
Stage 1	12,080'-11,927'	153	12,100'-11,905'	195	8,391	78	4,921	7,697	40,900	320,700	99,700	461,300	4,376	Yes	
Stage 2	11,861'-11,720'	141	11,905'-11,705'	200	N/A	N/A	5,419	N/A	4,325	N/A	N/A	N/A	N/A	No	
Stage 3	11,682'-11,527'	155	11,705'-11,500'	205	9,498	70	5,708	4,041	45,000	320,200	100,100	465,300	4,041	Yes	
Stage 4	11,480'-11,327'	153	11,500'-11,305'	195	8,810	75	5,821	7,380	44,200	309,400	93,500	447,100	4,133	Yes	
Stage 5	11,280'-11,127'	153	11,305'-11,105'	200	8,354	68	5,456	7,340	45,300	320,100	100,300	465,700	4,975	Yes	
Stage 6	11,080'-10,927'	153	11,105'-10,905'	200	8,650	75	5,752	6,992	44,700	320,200	85,300	450,200	4,868	Yes	
Stage 7	10,880'-10,727'	153	10,905'-10,705'	200	8,357	77	6,010	7,372	45,900	320,200	100,600	466,700	4,439	Yes	
Stage 8	10,680'-10,527'	153	10,705'-10,498'	207	8,180	73	5,737	7,127	45,100	320,000	100,000	465,100	4,474	Yes	
Stage 9	10,473'-10,327'	146	10,498'-10,305'	193	8,234	76	6,197	6,748	45,200	320,400	99,800	465,400	4,250	Yes	
Stage 10	10,280'-10,127'	153	10,305'-10,105'	200	8,915	74	5,825	7,384	44,200	319,700	99,800	463,700	4,860	Yes	
Stage 11	10,080'-9,927'	153	10,105'-9,905'	200	8,622	80	5,440	7,081	44,700	320,100	100,500	465,300	4,900	Yes	
Stage 12	9,880'-9,727'	153	9,905'-9,705'	200	9,079	74	5,743	6,976	45,500	320,500	90,400	456,400	N/A	Yes	
Stage 13	9,680'-9,527'	153	9,705'-9,511'	194	9,077	77	5,504	6,756	45,100	320,100	99,700	464,900	4,588	Yes	
Stage 14	9,480'-9,327'	153	9,511'-9,305'	206	8,770	76	5,581	7,106	45,200	320,100	93,500	458,800	6,362	Yes	
Stage 15	9,280'-9,133'	147	9,305'-9,105'	200	8,448	79	5,495	6,884	45,300	319,900	100,200	465,400	4,702	Yes	
Stage 16	9,080'-8,927'	153	9,105'-8,905'	200	9,853	76	5,537	7,294	45,000	320,000	100,200	465,200	4,391	Yes	
Stage 17	8,883'-8,727'	156	8,905'-8,700'	205	8,757	69	5,536	6,453	45,000	320,000	99,900	464,900	4,916	Yes	
Stage 18	8,680'-8,527'	153	8,700'-8,505'	195	10,554	64	5,947	6,638	44,400	320,100	100,000	464,500	5,930	Yes	
Stage 19	8,480'-8,323'	157	8,505'-8,305'	200	8,511	68	5,539	6,371	45,600	319,900	100,200	465,700	5,482	Yes	
Stage 20	8,282'-8,127'	155	8,305'-	N/A	8,866	68	5,737	6,210	45,000	313,100	99,900	458,000	4,756	Yes	

Total	20		3,046		3,795	167,926	1,397	112,905	129,850	855,625	6,064,700	1,863,600	8,779,600	86,443	
Average			152		200	8,838	74	5,645	6,834	42,781	319,195	98,084	462,084	4,802	

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**WVDNR # 1207 ( P# 47-10302781 ) CHEMICAL SUMMARY**

<b>Stage #</b>	<b>LINEAR GEL (gals.)</b>	<b>FRICTION REDUCER (gals.)</b>	<b>BIOCIDES (gals.)</b>	<b>SCALE INHIBITOR (gals.)</b>	<b>SURFACTANT (gals.)</b>	<b>BREAKER (qts.)</b>	<b>7.50% HCL ACID (gals.)</b>
1	265	345	97	45	355	1	2000
2	0	0	0	0	0	0	2000
3	433	410	194	50	375	1.5	2000
4	205	352	179	46	365	1	2000
5	315	265	155	39	333	1.5	2000
6	341	338	188	48	341	1.5	2000
7	321	350	175	47	334	1.5	2000
8	339	350	170	35	330	1.5	2000
9	315	360	170	40	340	1.5	2000
10	554	385	180	40	388	2	2000
11	401	369	175	33	365	1.5	2000
12	389	380	186	50	362	2	2000
13	563	375	139	38	352	3	2000
14	581	365	136	42	352	2	2000
15	350	342	124	36	345	1.5	2000
16	775	407	147	42	400	3	2000
17	414	355	131	44	340	1.5	2000
18	550	418	155	53	419	2	2000
19	357	355	126	50	334	1.5	2000
20	425	372	127	46	372	1.5	2000
<b>TOTALS:</b>	<b>7,893</b>	<b>6,893</b>	<b>2,954</b>	<b>824</b>	<b>6,802</b>	<b>32.5</b>	<b>40,000</b>

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