

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm Name: CURREY, CHARLES BRADY ET. Operator Well No. CURREY 2H
Location: Elevation: 1496' Quadrangle: ROSEMONT 7.5
District: BOOTH'S CREEK County: TAYLOR
Latitude: 8,560 Feet South of 39 Degrees 22 Minutes 30 Seconds
Longitude: 4,480 Feet West of 80 Degrees 7 Minutes 30 Seconds

Company: TRIANA ENERGY, LLC.
900 VIRGINIA STREET E., SUITE 400
CHARLESTON, WV 25301

Agent: RACHELLE KING
Inspector: BRYAN HARRIS
Permit Issued: 4/27/2010
Date Well work Commenced: 7/16/2010
Date Well work Completed: 11/6/2010
Verbal Plugging: NA
Date Permission granted on: NA
Rotary X Cable Tool Rig
Total Vertical Depth (ft): 7497'
Total Measured Depth (ft): 10969'
Fresh Water Depths (ft): 790'
Salt Water Depths (ft): NONE
Is coal being mined in area (Y/N)? N
Coal Depths: 124-127', 196-198', 562-565', 571-573', 621-626', 694-697', 709-710', 877-878'
Void(s) encountered (N/Y) N Depth(s) NA

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
20"	42'	42'	115 cf
13.375"	994'	994'	705 sks
9.625"	3120'	3120'	695 sks
5.5"	10967'	10967'	1100 sks

OPEN FLOW DATA:

Producing formation(s): MARCELLUS SHALE Pay zone depth (ft) See back
Gas: Initial open flow 0 MCF/D Oil: Initial open flow 0 Bbl/d
Final open flow 2,750 MCF/D Final open flow 0 Bbl/d
Time of open flow between initial and final tests: Hours
Static rock pressure 3000 psig (surface pressure) after 96 Hours
Second producing formation(s): NA Pay zone depth (ft) See back
Gas: Initial open flow MCF/D Oil: Initial open flow Bbl/d
Final open flow MCF/D Final open flow Bbl/d
Time of open flow between initial and final tests: Hours
Static rock pressure psig (surface pressure) after Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information is true, accurate, and complete.

Rachelle King
Signature

9-11-11
Date

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Were core samples taken? Yes No Were cuttings caught during drilling? Yes No

Were N Electrical, N Mechanical, Y or Geophysical logs recorded on this well?
Y/N Y/N Y/N

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1.) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

	Stage 1	Stage 2	Stage 3	Stage 4
MD	10887	10777	10684	10582
Circulating Vol (gal)	13417	8499	10692	12670
Reverse Circulate Volume (gal)	5329	7122	3615	9250
Tubing Injected Volume (gal)	16803	13440	15729	19856
Annulus Injected Vol (gal)	107216	107093	117244	143327
Injected Volume (gal)	124019	120533	132973	163183
Ave Annulus Pressure (psi)	7951	8169	8484	8859
Ave BH Rate (bpm)	33.6	33.7	32.2	31.8
Ave BH Prop Con (lb/gal)	1.38	1.49	1.45	1.58
100 Mesh (100 lbs)	384	415	322	343
40/70 White (100 lbs)	922	902	906	911
HydroProp (lbs)	144	114	147	149
Pump Time (min)	95	89	103	100

	Stage 5	Stage 6	Stage 7	Stage 8
MD	10480	10382	10280	9780
Circulating Vol (gal)	7899	7697	66869	9344
Reverse Circulate Volume (gal)	3763	3820	21199	5050
Tubing Injected Volume (gal)	12738	15140	16870	14054
Annulus Injected Vol (gal)	107668	124805	63090	106080
Injected Volume (gal)	120406	139945	79960	120134
Ave Annulus Pressure (psi)	7551	7784	7983	8392
Ave BH Rate (bpm)	33	27.3	25.2	35.2
Ave BH Prop Con (lb/gal)	1.24	0.98	1.95	1.46
100 Mesh (100 lbs)	356	351	461	420
40/70 White (100 lbs)	905	917	700	986
HydroProp (lbs)	110	101	0	137
Pump Time (min)	90	130	72	90

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	Stage 9	Stage 10	Stage 11	Stage 12
MD	9662	9560	9442	9318
Circulating Vol (gal)	14063	15395	8199	7577
Reverse Circulate Volume (gal)	6366	7267	3564	4480
Tubing Injected Volume (gal)	12776	13747	13691	13451
Annulus Injected Vol (gal)	98989	103994	115800	119380
Injected Volume (gal)	111765	117741	129491	132831
Ave Annulus Pressure (psi)	7899	8056	8056	8221
Ave BH Rate (bpm)	32.3	34.2	34.2	32.2
Ave BH Prop Con (lb/gal)	1.29	1.32	1.18	1.18
100 Mesh (100 lbs)	360	368	380	368
40/70 White (100 lbs)	887	935	910	926
HydroProp (lbs)	87	98	103	105
Pump Time (min)	78	85	98	105

	Stage 13	Stage 14	Stage 15	Stage 16
MD	9215	9112	9010	8907
Circulating Vol (gal)	9053	8699	11158	18796
Reverse Circulate Volume (gal)	9958	8560	6415	6600
Tubing Injected Volume (gal)	16649	13085	14737	24517
Annulus Injected Vol (gal)	111227	86349	94356	136331
Injected Volume (gal)	127876	99434	109093	160848
Ave Annulus Pressure (psi)	8391	7938	8121	8225
Ave BH Rate (bpm)	33.1	30.1	34.2	21.3
Ave BH Prop Con (lb/gal)	1.33	1.69	1.43	0.81
100 Mesh (100 lbs)	373	399	393	252
40/70 White (100 lbs)	902	864	866	783
HydroProp (lbs)	114	107	126	101
Pump Time (min)	93	82	78	180

	Stage 17	Stage 18	Stage 19	Stage 20
MD	8780	8670	8570	8470
Circulating Vol (gal)	7620	8186	7649	9162
Reverse Circulate Volume (gal)	3446	6432	8639	4011
Tubing Injected Volume (gal)	14730	19016	14416	14148
Annulus Injected Vol (gal)	120875	145218	122589	136998
Injected Volume (gal)	135605	164234	137005	151146
Ave Annulus Pressure (psi)	8703	8036	8200	8243
Ave BH Rate (bpm)	27.3	318	29.3	29.5
Ave BH Prop Con (lb/gal)	1.33	1.24	1.28	1.1
100 Mesh (100 lbs)	389	410	366	356
40/70 White (100 lbs)	312	913	916	943
HydroProp (lbs)	109	113	91	104
Pump Time (min)	126	127	109	132

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	Stage 21	Stage 22	Stage 23	Stage 24
MD	8368	8258	8158	8053
Circulating Vol (gal)	11844	11665	24600	5861
Reverse Circulate Volume (gal)	10023	10515	0	5412
Tubing Injected Volume (gal)	16995	12062	3286	14840
Annulus Injected Vol (gal)	141072	61515	0	82851
Injected Volume (gal)	158067	73577	3286	97691
Ave Annulus Pressure (psi)	8466	8839	NA	7924
Ave BH Rate (bpm)	28	18.6	NA	35.3
Ave BH Prop Con (lb/gal)	1.62	0.35	NA	1.65
100 Mesh (100 lbs)	353	225	55	362
40/70 White (100 lbs)	906	82	NA	904
HydroProp (lbs)	109	0	NA	97
Pump Time (min)	155	166	NA	116

	Stage 25	Stage 26	Stage 27	Stage 28
MD	7950	7836	7740	7640
Circulating Vol (gal)	8259	8221	10054	22278
Reverse Circulate Volume (gal)	12112	4911	9680	3193
Tubing Injected Volume (gal)	12340	14396	12824	16422
Annulus Injected Vol (gal)	127782	168968	140071	126991
Injected Volume (gal)	140122	183364	152895	143413
Ave Annulus Pressure (psi)	7908	7885	7851	8645
Ave BH Rate (bpm)	36.8	29.2	32.5	32
Ave BH Prop Con (lb/gal)	1.07	0.85	1.05	1.26
100 Mesh (100 lbs)	370	365	366	395
40/70 White (100 lbs)	920	833	900	935
HydroProp (lbs)	107	99	100	124
Pump Time (min)	94	145	116	102

	Stage 29	Stage 30
MD	7534	7440
Circulating Vol (gal)	8699	9017
Reverse Circulate Volume (gal)	12767	5888
Tubing Injected Volume (gal)	13053	16105
Annulus Injected Vol (gal)	136005	162334
Injected Volume (gal)	149058	178439
Ave Annulus Pressure (psi)	7803	8087
Ave BH Rate (bpm)	31.9	23.7
Ave BH Prop Con (lb/gal)	1.05	0.76
100 Mesh (100 lbs)	377	356
40/70 White (100 lbs)	883	804
HydroProp (lbs)	125	109
Pump Time (min)	116	182

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NOTE: IN THE ARE BELOW PUT THE FOLLOWING: 2.) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

FORMATION	TOP(FT)	BOTTOM(FT)	REMARKS
SOIL, SAND, SHALE	0	124	DRLR. LOG
COAL	124	127	"
SAND, SHALE	127	196	"
COAL	196	198	"
SAND, SHALE	198	337	"
RED ROCK	337	343	"
SAND	343	562	"
COAL	562	565	"
SAND	565	571	"
COAL	571	573	"
SAND	573	621	"
COAL	621	626	"
SAND	626	694	"
COAL	694	697	"
SAND, SHALE	697	709	"
COAL	709	710	"
SAND	710	833	"
SAND, SHALE	833	861	"
RED ROCK	861	877	"
SAND, SHALE	877	939	"
COAL	939	940	"
SAND	940	956	"
SHALE	956	1202	"
LITTLE LIME	1202	1216	"
SHALE	1216	1240	"
BIG LIME	1240	1405	"
BIG INJUN	1405	1455	"
SHALE	1455	1808	"
SAND	1808	1830	"
SAND, SHALE	1830	2337	"
5TH SAND	2337	2382	"
SHALE, SAND	2382	3033	"
SPEECHLEY SAND	3033	3040	"
SHALE	3040	6440	"
SYCAMORE	6440	6528	"
SHALE	6528		"
KOP @ 6670'			"
SHALE	6528 MD	7110 MD	MUDLOG
TULLY LIMESTONE	7110 MD	7182 MD	"
SHALE	7182 MD	7462 MD	"
MARCELLUS SHALE	7462	10969 MD	"
LTD LATERAL HOLE			"

GAS v at 572' - NS

1/2" stream FWTR at 790'

GAS v at 1025' - NS

GAS v at 1321' - NS

GAS v at 1574' - 196mcf

GAS v at 1826' - 209mcf

GAS v at 2173' - 209mcf

GAS v at 2614' - 97mcf

GAS v at 3160' - 97mcf

GAS v at 3565' - NS

GAS v at 4038' - NS

GAS v at 4543' - NS

GAS v at 5047' - NS

GAS v at 5522' - NS

GAS v at 6056' - NS

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