

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 1H
Location: Elevation: 1496' Quadrangle: ROSEMONT 7.5
District: BOOTH'S CREEK County: TAYLOR
Latitude: 8,590 Feet South of 39 Degrees 22 Minutes 30 Seconds
Longitude: 4,505 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: 4/24/2010
Date Well work Commenced: 7/16/2010
Date Well work Completed: 10/19/2010
Verbal Plugging: NA
Date Permission granted on: NA
Rotary Cable Tool Rig
Total Vertical Depth (ft): 7513'
Total Measured Depth (ft): 11289'
Fresh Water Depths (ft): 791'
Salt Water Depths (ft): NONE
Is coal being mined in area (Y/N)? N
Coal Depths: 108-111', 302-305', 331-334', 438-441', 556-560', 627-630', 828-831'
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"	983'	983'	716 sks
9.625"	3129'	3129'	665 sks
5.5"	11278'	11278'	1265 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

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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.

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Rachelle King
Signature

9-11-11
Date

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

Were Y Electrical, Y 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
<u>Bottom Treatment Zone</u>	11222'	10980'	10660'	10320'
<u>Bottom Perf Cluster</u>	11172-11177'	10930-10935'	10622-10627'	10270-10275'
<u>Middle Perf Cluster</u>	11090-11095'	10830-10835'	10500-10505'	10184-10189'
<u>Top Perf Cluster</u>	11030-11035'	10730-10735'	10364-10369'	10100-10105'
<u>Total # holes this Stage</u>	60	60	60	60
<u>Frac Type</u>	Slickwater	Slickwater	Slickwater	Slickwater
<u>FRAC Total ACID (3%)</u>	0 gals	0 gals	2700 gals	0 gals
<u>FRAC Total ACID (7.5%)</u>	2257 gals	1500 gals	0 gals	1357 gals
<u>FRAC Total TRTD. WTR</u>	12969 bbls	9613 bbls	8543 bbls	9091 bbls
<u>FRAC Total 100 mesh SAND</u>	82810 lbs	82699 lbs	81579 lbs	80900 lbs
<u>FRAC Total 40/70 mesh SAND</u>	325250 lbs	325213 lbs	225872 lbs	221800 lbs
<u>BD</u>	8749 psi	6952 psi	6571 psi	6279 psi
<u>ATP</u>	8140 psi	7913 psi	7988 psi	7951 psi
<u>Max TP</u>	9387 psi	9220 psi	9339 psi	9670 psi
<u>AIR</u>	68.7 bpm	74.5 bpm	73.9 bpm	77.6 bpm
<u>Max IR</u>	71.6 bpm	80.3 bpm	75.4 bpm	80.5 bpm
<u>ISIP</u>	5273 psi	5720 psi	5897 psi	6068 psi
<u>2 min SIP</u>	4928 psi	5183 psi	5452 psi	5623 psi
<u>5 min SIP</u>	4737 psi	4888 psi	5149 psi	5316 psi

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	STAGE 5	STAGE 6	STAGE 7	STAGE 8
<u>Bottom Treatment Zone</u>	10060'	9750'	9450'	9150'
<u>Bottom Perf Cluster</u>	10010-10015'	9700-9705'	9400-9405'	9100-9105'
<u>Middle Perf Cluster</u>	9905-9910'	9600-9605'	9300-9305'	8995-9000'
<u>Top Perf Cluster</u>	9800-9805'	9500-9505'	9200-9205'	8890-8895'
<u>Total # holes this Stage</u>	60	60	60	60
<u>Frac Type</u>	Slickwater	Slickwater	Slickwater	Slickwater
<u>FRAC Total ACID (3%)</u>	0 gals	0 gals	0 gals	0 gals
<u>FRAC Total ACID (7.5%)</u>	1348 gals	1500 gals	1500 gals	1500 gals
<u>FRAC Total TRTD. WTR</u>	9751 bbls	8602 bbls	7403 bbls	8061 bbls
<u>FRAC Total 100 mesh SAND</u>	79200 lbs	79700 lbs	79800 lbs	80500 lbs
<u>FRAC Total 40/70 mesh SAND</u>	324800 lbs	222800 lbs	136000 lbs	155700 lbs
<u>BD</u>	6051 psi	7584 psi	7455 psi	7740 psi
<u>ATP</u>	7446 psi	7882 psi	8068 psi	8160 psi
<u>Max TP</u>	9207 psi	8909 psi	8814 psi	9090 psi
<u>AIR</u>	77.3 bpm	80.9 bpm	79.4 bpm	79.5 bpm
<u>Max IR</u>	80.4 bpm	82.9 bpm	81.2 bpm	81.2 bpm
<u>ISIP</u>	4922 psi	5185 psi	5390 psi	5451 psi
<u>2 min SIP</u>	4758 psi	4919 psi	4966 psi	4956 psi
<u>5 min SIP</u>	4616 psi	4801 psi	4808 psi	4756 psi

	STAGE 9	STAGE 10	STAGE 11	STAGE 12
<u>Bottom Treatment Zone</u>	8840'	8550'	8260'	7980'
<u>Bottom Perf Cluster</u>	8790-8795'	8500-8505'	8210-8215'	7930-7935'
<u>Middle Perf Cluster</u>	8695-8700'	8405-8410'	8120-8125'	7840-7845'
<u>Top Perf Cluster</u>	8600-8605'	8310-8315'	8030-8035'	7750-7755'
<u>Total # holes this Stage</u>	60	60	60	60
<u>Frac Type</u>	Slickwater	Slickwater	Slickwater	Slickwater
<u>FRAC Total ACID (3%)</u>	0	0	0	0
<u>FRAC Total ACID (7.5%)</u>	1500 gals	1500 gals	1500 gals	1500 gals
<u>FRAC Total TRTD. WTR</u>	9429 bbls	10002 bbls	8977 bbls	8551 bbls
<u>FRAC Total 100 mesh SAND</u>	63200 lbs	78700 lbs	80800 lbs	86500 lbs
<u>FRAC Total 40/70 mesh SAND</u>	326100 lbs	324600 lbs	326900 lbs	343300 lbs
<u>BD</u>	7106 psi	7758 psi	8225 psi	7586 psi
<u>ATP</u>	7885 psi	8110 psi	8257 psi	8211 psi
<u>Max TP</u>	9003 psi	8938 psi	9011 psi	8760 psi
<u>AIR</u>	75.7 bpm	75.5 bpm	73.4 bpm	75.8 bpm
<u>Max IR</u>	81.1 bpm	81.1 bpm	76.5 bpm	81.1 bpm
<u>ISIP</u>	5303 psi	5516 psi	6204 psi	5470 psi
<u>2 min SIP</u>	4982 psi	5285 psi	6020 psi	5269 psi
<u>5 min SIP</u>	4859 psi	5135 psi	5887 psi	5126 psi

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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.

PILOT HOLE

FORMATION	TOP(FT)	BOTTOM(FT)	REMARKS
SOIL, SAND, SHALE	0	50	DRLR. LOG
SAND	50	108	"
COAL	108	111	"
SAND, SHALE	111	302	"
COAL	302	305	"
SAND, SHALE	305	331	"
COAL	331	334	"
SAND, SHALE	334	337	"
RED ROCK	337	362	"
SAND, SHALE	362	438	"
COAL	438	441	"
SAND, SHALE	441	556	"
COAL	556	560	"
SAND, SHALE	560	627	"
COAL	627	630	"
SAND	630	828	"
COAL	828	831	"
SAND, SHALE	831	856	"
RED ROCK	856	881	"
SAND	881	936	"
RED ROCK	936	1000	"
SAND	1000	1085	GR LOG
SHALE	1085	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	7072	"
TULLY LIMESTONE	7072	7132	"
SHALE	7132	7295	"
MARCELLUS SHALE	7295	7410	"
ONONDAGA LIME	7410	7430	"
LTD PILOT HOLE		7430	GR LOG

1" stream FWIR at 791'

GAS v at 1015' - NS

GAS v at 1540' - 120/10ths
 thru 5/8" plate
 GAS v at 1999' - 110mcf

GAS v at 2501' - 142mcf
 GAS v at 3100' - 80/10ths
 thru 7/8" plate
 GAS v at 3544' - NS
 GAS v at 4015' - NS
 GAS v at 4542' - NS
 GAS v at 5047' - NS
 GAS v at 5551' - NS
 GAS v at TD' - NS

LATERAL HOLE

KOP @ 5970

SHALE	5970 MD	6468 MD	MUDLOG
SYCAMORE	6468 MD	6455 MD	MUDLOG
SHALE	6455 MD	7194 MD	MUDLOG
TULLY LIMESTONE	7194 MD	7282 MD	MUDLOG
SHALE	7282 MD	7820 MD	MUDLOG
MARCELLUS SHALE	7820 MD	11289 MD	MUDLOG
LTD LATERAL HOLE		11289 MD	MUDLOG

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