

WR-35
Rev (9-11)

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

DATE: 04-11-2012
API #: 47-097-03798

Farm name: HURST, DONALD L. & MARY L. Operator Well No.: EMBREY UM CHURCH 1 H WV042

LOCATION: Elevation: 1597 Quadrangle: BUCKHANNON 7.5

District: BUCKHANNON County: UPSHUR
Latitude: 38-55 19.067 N Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude 80 14 56.728 W Feet West of _____ Deg. _____ Min. _____ Sec.

Company: Mountain V Oil and Gas

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>P.O. Box 470</u>				
<u>BRIDGEPORT WV. 26330</u>	<u>16</u>		<u>42'</u>	<u>SAND IN</u>
Agent: <u>Mike Shaver</u>	<u>13 3/8</u>		<u>464</u>	<u>355 SK</u>
Inspector: <u>Bill Hatfield</u>	<u>9 5/8</u>		<u>2025</u>	<u>687 SK</u>
Date Permit Issued: <u>05-17-2011</u>	<u>7"</u>		<u>4268</u>	<u>522 SK</u>
Date Well Work Commenced: <u>09-03-2011</u>	<u>4 1/2</u>		<u>10365</u>	<u>505 SK</u>
Date Well Work Completed: <u>11-09-2011</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7329</u>				
Total Measured Depth (ft): <u>10,398.00</u>				
Fresh Water Depth (ft.): <u>60,350</u>				
Salt Water Depth (ft.): <u>1780</u>				
Is coal being mined in area (N/Y)?				
Coal Depths (ft.): <u>221</u>				
Void(s) encountered (N/Y) Depth(s)				

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OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation MARCELLUS Pay zone depth (ft) 7198 - 7314

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow 1500 MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure 3100 psig (surface pressure) after 24 Hours

Second producing formation _____ Pay zone depth (ft) _____

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 all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.


Signature

4-16-12
Date

Were core samples taken? Yes _____ No

Were cuttings caught during drilling? Yes No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list YES GEOPHYSICAL

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

Perforated Intervals, Fracturing, or Stimulating:

SEE ATTACHED SHEET

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Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: _____ Top Depth / _____ Bottom Depth
Surface:

GROUND EL	1597	RILEY	2898 - 4024
GREENBRIER BIG LIME	1360 - 1586	BENSON	4024 - 4100
BIG INJUN	1586 - 1642	ALEXANDER	4226 - 4503
SQUAW	1642 - 1724	ELK	4503 - 6560
WEIR	1724 - 1813	HAVERTY	6560 - 7030
BEREA-GTZ	1813 - 1886	GENESEO	7030 - 7070
50 FT	1886 - 1954	TULLY	7070 - 7100
30 FT	1954 - 2001	HAMILTON	7100 - 7198
Gordon STRAY	2001 - 2062	MARCELLUS	7198 - 7314
GORDON	2062 - 2170	ONONDAGA	7314 - 7329
4 TH SS	2170 - 2243		
5 TH SS	2243 - 2352		
WARREN	2352 - 2460		
SPEECHLEY	2460 - 2630		
BALLTOWN	2630 - 2898		

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MOUNTAIN V OIL & GAS
EMBREY UM CHURCH 1 H WV042

STAGE # 1

PERFS 10351 – 10349 – 12 SHOTS, 10284 – 10282 12 SHOTS, 10217 – 10215 12 SHOTS, 10150 – 10148 12 SHOTS, 10083 – 10081 12 SHOTS

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SLICK WATER FRACK 7269 BBL H2O, 7548 BBL SLURRY, 250 SK 80/100, 2006 SK 40/70, AVG PSI 7543, AVG RATE 68.7 BPM , 4435 ISIP

STAGE # 2 PERFS 10011 – 10009 12 SHOTS, 9944 – 9942 12 SHOTS, 9877 – 9875 12 SHOTS 9810 – 9808 12 SHOTS 9743 – 9741 12 SHOTS

SLICK WATER FRACK 7063 BBL H2O, 7302 BBL SLURRY, 250 SK 80/100, 1947 SK 40/70, AVG PSI 7543, AVG RATE 71.5 BPM

STAGE # 3 PERFS 9671 – 9669 12 SHOTS, 9604 – 9602 12 SHOTS, 9537 – 9535 12 SHOTS, 9470 – 9468 12 SHOTS, 9403 – 9401 12 SHOTS

SLICK WATER FRACK 7362 BBL H2O, 7710 BBL SLURRY, 254 SK 80/100, 2013 SK 40/70, AVG PSI 7661, AVG RATE 70.7 BPM 4889 ISIP

STAGE # 4 PERFS 9331 – 9329 12 SHOTS, 9264 – 9262 12 SHOTS, 9197 – 9195 12 SHOTS, 9130 – 9128 12 SHOTS 9063 – 9061 12 SHOTS

SLICK WATER FRACK 7238 BBL H2O, 7533 BBL SLURRY, 251 SK 80/100, 2007 SK 40/70, AVG PSI 7709, AVG RATE 70.9 BPM 5147 ISIP

STAGE # 5 PERFS 8991 – 8989 12 SHOTS, 8924 – 8922 12 SHOTS 8857 – 8855 12 SHOTS 8790 – 8788 12 SHOTS, 8723 – 8721 12 SHOTS

SLICK WATER FRACK 7282 BBL H2O, 7574 BBL SLURRY, 253 SK 80/100, 2017 SK 40/70, AVG PSI 7742, AVG RATE 71.5 BPM 5290 ISIP

STAGE # 6 PERFS 8651 – 8649 12 SHOTS, 8584 – 8582 12 SHOTS, 8517 – 8515 12 SHOTS, 8450 – 8448 12 SHOTS 8383 – 8381 12 SHOTS

SLICK WATER FRACK 7124 BBL H2O, 7462 BBL SLURRY, 250 SK 80/100, 2003 SK 40/70, AVG PSI 7629, AVG RATE 70.8 BPM 5530 ISIP

STAGE # 7 PERFS 8311 – 8309 12 SHOTS, 8244 – 8242 12 SHOTS, 8177 – 8175 12 SHOTS 8110 – 8108 12 SHOTS, 8043 – 8041 12 SHOTS

SLICK WATER FRACK 7216 BBL H2O, 7498 BBL SLURRY, 251 SK 80/100, 2004 SK 40/70, AVG PSI 7370, AVG RATE 72.8 BPM 4732 ISIP

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STAGE # 8 PERFS 7971 – 7969 12 SHOTS, 7904 – 7902 12 SHOTS, 7837 – 7835 12 SHOTS, 7770 – 7768 12 SHOTS 7703 – 7701 12 SHOTS,

SLICK WATER FRACK 7214 BBL H2O, 7496 BBL SLURRY, 251 SK 80/100, 2004 SK 40/70, AVG PSI 7521, AVG RATE 72.3 BPM 5257 ISIP

STAGE # 9 PERFS 7631 – 7629 12 SHOTS, 7564 – 7562 12 SHOTS, 7497 – 7495 12 SHOTS 7430 – 7428 12 SHOTS, 7362 – 7360 12 SHOTS 7304 – 7302 12 SHOTS

SLICK WATER FRACK 7265 BBL H2O, 7524 BBL SLURRY, 250 SK 80/100, 2015 SK 40/70, AVG PSI 7094, AVG RATE 74.3 BPM 4562 ISIP

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