API #47 - 017- 06015

# State of West Virginia Division of Environmental Protection Section of Oil and Gas

#### Well Operator's Report of Well Work

| COCATION:  | Farm Name:             | B. Sutton                               | Operator Well No.: Seven (7) |                                    |                                  |            |  |
|--|------------------------|---|------------------------------|------------------------------------|----------------------------------|------------|--|
| 22 GARTON PLAZA   8  | LOCATION:              | District: New Milton Latitude: 39.23244 |                              | County: <b>Dodd</b><br>Deg. 13 Min | <b>ridge</b><br>n. <b>56.8</b> S | Sec.       |  |
| Inspector:   Dave Scranage   11"   32'   Pulled   N/A  | Company:               | 22 GARTON PL<br>WESTON, WV 2            | AZA<br>26452                 | &<br>Tubing                        | In                               | ln         | Fill Up  |
| Permit Issued:   6-10-11   Well Work Commenced: 8-20-11   9-5/8"   126'   126'   110 sks. CTS   Well Work Completed: 8-24-11     9-5/8"   1055'   1055'   170 sks. CTS     Permission granted on: 6-15-11   Rotary X   Cable   Rig   4-1/2"   2863'   2863'   160 sks.   ETOC 1000'   Fresh water depths (ft ) 80' & 110'   Salt water depths (ft ) 1500'   Is coal being mined in area (Y / N )? No   Coal Depths (ft ): None   Coal Depths (ft   | •                      |   | 1                            | . 11"                              | 32'                              | Pulled     | . N/A  |
| Well Work Commenced: 8-20-11       9-5/8"       126'       126'       110 sks. CTS         Well Work Completed: 8-24-11       8-24-11       1055'       1055'       170 sks. CTS         Verbal Plugging N/A       7"       1055'       1055'       170 sks. CTS         Permission granted on: 6-15-11       80' & 110'       80' & 110  |                        |   |                              | 11                                 | JZ                               | i ulleu    | IN/A   |
| Verbal Plugging         N/A         7"         1055'         1055'         170 sks. CTS           Permission granted on: Rotary X Cable         Rig         4-1/2"         2863'         2863'         160 sks.           Total Depth (feet ) 2931'         Fresh water depths (ft ) 80' & 110'         Salt water depths (ft ) 1500'         Fresh water depths (ft ) 1500'         Fresh water depths (ft ) 1500'         No         Fresh water depths (ft ) 1500'         No         Fresh water depths (ft ) 1500'         No         Fresh water depths (ft ) 1500'         Fresh water depths  |                        |   |                              | 9-5/8"                             | 126'                             | 126'       | 110 sks. CTS   |
| Permission granted on: 6-15-11 Rotary X Cable Rig 4-1/2" 2863' 2863' 160 sks. Total Depth (feet ) 2931' ETOC 1000' Fresh water depths (ft ) 80' & 110' Salt water depths (ft ) 1500' Is coal being mined in area ( Y / N )? No Coal Depths (ft ): None  OPEN FLOW DATA Gordon & Gantz 2105-2170  | Well Work Cor          |   |                              |                                    |                                  |            |  |
| Rotary X Cable Rig 4-1/2" 2863' 2863' 160 sks.  Total Depth ( feet ) 2931' ETOC 1000'  Fresh water depths (ft ) 80' & 110'  Salt water depths (ft ) 1500' Is coal being mined in area ( Y / N )? No  Coal Depths (ft ): None  OPEN FLOW DATA Gordon & Gantz 2105-2170  Keener/Injun 1874-1952  Producing formation Blue Monday Pay zone depth (ft ) 1810-1820  Gas: Initial open flow 115 MCF / D Oil: Initial open flow Show Final open flow between initial and final tests 24  Static rock pressure 850 psig ( surface pressure ) after 60  Hours  160 sks.  ETOC 1000'  FITOC 10 |                        | 9                                       |                              | 7"                                 | 1055'                            | 1055'      | 170 sks. CTS   |
| Fresh water depths (ft ) 80' & 110' Salt water depths (ft ) 1500' Is coal being mined in area (Y/N)? No Coal Depths (ft ): None  OPEN FLOW DATA  Weir  Keener/Injun  Producing formation  Blue Monday  Pay zone depth (ft )  Final open flow  Final open flow  115 MCF / D  Final open flow  Final open flow between initial and final tests  Static rock pressure  850 psig (surface pressure) after  Solution  Salt water depths (ft )  1500'  RECEIVED  Office of Oil & Gas  SEP 2 3 2011  SEP 2 3 2011  WV Deciment of  Environmental Protection  Hours  | Rotary X               | 4-1/2"                                  | 2863'                        | 2863'                              |                                  |            |  |
| Is coal being mined in area (Y/N)? No  Coal Depths (ft ): None  OPEN FLOW DATA Gordon & Gantz 2310-2750 Weir 2105-2170 Keener/Injun 1874-1952  Producing formation Blue Monday Pay zone depth (ft ) 1810-1820  Gas: Initial open flow 115 MCF/D Oil: Initial open flow Show Final open flow 628 MCF/D Oil: Final open flow 2 Bbl/D Time of open flow between initial and final tests 24  Static rock pressure 850 psig ( surface pressure ) after 60  RECEIVED Office of Oil & Gas  SEP 2 3 2011  WV Deciment of Final Protection Hours  |                        |   |                              |                                    |                                  |            |  |
| Coal Depths (ft ): None  Office of Oil & Gas  OPEN FLOW DATA Gordon & Gantz 2310-2750 Weir 2105-2170 Keener/Injun 1874-1952  Producing formation Blue Monday Pay zone depth (ft ) 1810-1820 Gas: Initial open flow 115 MCF / D Oil: Initial open flow Show Final open flow 628 MCF / D Oil: Final open flow 2 Bbl / D Time of open flow between initial and final tests 24  Static rock pressure 850 psig ( surface pressure ) after 60  Office of Oil & Gas  OFFICE OIL & Gas  OFFICE OF OIL & Gas  OFFICE OF OIL & Gas  OFFICE  |                        |   |                              |                                    |                                  |            | •  |
| OPEN FLOW DATA Gordon & Gantz  Weir  Keener/Injun  Producing formation  Gas: Initial open flow Final open flow Final open flow Time of open flow between initial and final tests  Static rock pressure  Office of Oil & Gas  2310-2750  SEP 2 3 2011  SEP 2 3 2011  WV Decision of Oil & Gas  SEP 2 3 2011  SEP 2 3 2011  WV Decision of Oil & Gas  SEP 2 3 2011  WV Decision of Oil & Gas  SEP 2 3 2011  Final open flow Show Final open flow Bbl / D Final open flow between initial and final tests Hours  Static rock pressure  850 psig ( surface pressure ) after 60  Office of Oil & Gas  SEP 2 3 2011  Final open flow Show Bbl / D Final open flow Hours  |                        |   |                              |                                    | RF(C)                            |            |  |
| OPEN FLOW DATA  Weir  Evener/Injun  Producing formation  Gas: Initial open flow Final open flow Time of open flow between initial and final tests  Static rock pressure  Sordon & Gantz  2310-2750  2105-2170  1874-1952  1810-1820  SEP 2 3 2011  FINAL open flow Show Final open flow Final open flow Final open flow between initial and final tests Final open flow between initial and final tests Static rock pressure  Static rock pressure  Sordon & Gantz  2310-2750  SEP 2 3 2011  SEP 2 3 2011  FINAL OPEN STATE OF SEP 2 3 2011  SEP 2 3 2011  FINAL OPEN STATE OF SEP 2 3 2011  FINAL OPEN STATE OPEN STATE OF SEP 2 3 2011  FINAL OPEN STATE O | Coal Depths (1         |   |                              | u. 14                              |                                  |            |  |
| Weir Keener/Injun 1874-1952 Producing formation Blue Monday Pay zone depth (ft ) 1810-1820 Gas: Initial open flow 115 MCF / D Oil: Initial open flow Show Final open flow 628 MCF / D Oil: Final open flow 2 Bbl / D Time of open flow between initial and final tests 24 Static rock pressure 850 psig ( surface pressure ) after 60  SEP 2 3 2011  WV Department of Environment of Hours   | OPEN FLOW I            | DATA Gordon & Gant                      | 2                            | 2310-2750                          |                                  | W111100 V1 | Profession Commission and Profession and Commission |
| Gas: Initial open flow 115 MCF / D Oil: Initial open flow Show Bbl / D WV Decision Of Final open flow 628 MCF / D Oil: Final open flow 2 Bbl / D Environmental Protection Time of open flow between initial and final tests 24 Hours  Static rock pressure 850 psig ( surface pressure ) after 60 Hours  | G. <b>2</b> , V. 20 V. | Weir<br>Keener/Injun                    |                              | 2105-2170<br>1874-1952             |                                  | SEP 2      | 2 3 2011   |
| Final open flow 628 MCF / D Oil: Final open flow 2 Bbl / D Environmental Protection Time of open flow between initial and final tests 24 Hours Static rock pressure 850 psig ( surface pressure ) after 60 Hours   |                        |   |                              |                                    | 51.15                            | MAN Pares  | errings at of  |
| Time of open flow between initial and final tests  Static rock pressure 850 psig ( surface pressure ) after 60 Hours   |                        |   |                              |                                    |                                  |            |  |
| Static rock pressure 850 psig ( surface pressure ) after 60 Hours  |                        | F                                       |                              |                                    |                                  |            |  |
|  |                        | •                                       |                              |                                    |                                  |            |  |
| All t diffigures dominigues.   |                        |   | ,                            |                                    |                                  |            |  |
| Second producing formation Pay zone depth ( ft )   |                        |   |                              |                                    |                                  |            |  |
| Gas: Initial open flow MCF / D Oil: Initial open flow Bbl / D  |                        |   |                              |                                    |                                  |            |  |
| Final open flow MCF / D Oil: Final open flow Bbl / D Time of open flow between initial and final tests Hours   |                        | 1                                       |                              | pen flow                           |                                  |            |  |
| Time of open flow between initial and final tests  Static rock pressure psig ( surface pressure ) after  Hours   |                        |   |                              |                                    |                                  |            |  |

NOTE: ON BACK OF THIS FORM 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 ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: KEY OIL COMPANY

y: In aggmon PRESIDENT

Date: September 16, 2011

### B. Sutton #7 (47-017-06015)

### TREATMENT:

| Gordon &<br>Gantz | (20 holes) | 2310-2750 | sand, water and N2:<br>183 bbls. water | 30,500# 20/40 sand, 270,000 SCF N2 |
|-------------------|------------|-----------|--|------------------------------------|
| Weir              | (21 holes) | 2105-2170 | sand, water and N2:<br>132 bbls. water | 20,700# 20/40 sand, 288,000 SCF N2 |
| Keener/Injun      | (20 holes) | 1874-1952 | sand, water and N2:<br>146 bbls. water | 20,000# 20/40 sand, 254,000 SCF N2 |
| Blue Monday       | (20 holes) | 1810-1820 | sand, water and N2:<br>207 bbls. water | 37,100# 20/40 sand, 282,000 SCF N2 |

## **FORMATIONS**:

| Sand & Shale | 0'    | 1300' |
|--------------|-------|-------|
| Salt Sands   | 1300' | 1360' |
| Shale        | 1360' | 1650' |
| Little Lime  | 1650' | 1690' |
| Sand & Shale | 1690' | 1790' |
| Sand         | 1790' | 1800' |
| Blue Monday  | 1800' | 1820' |
| Big Lime     | 1820' | 1870' |
| Keener       | 1870' | 1902' |
| lnjun        | 1902' | 1960' |
| Shale        | 1960' | 2100' |
| Weir         | 2100' | 2170' |
| Shale        | 2170' | 2310' |
| Gantz        | 2310' | 2320' |
| Shale        | 2320' | 2520' |
| Gordon       | 2520' | 2750' |
| Shale        | 2750' | 2921' |
| TD           |       | 2921' |