WR-35 Rev (5-01)

State of West Virginia Department of Environmental Protection Office of Oil and Gas

DATE: 06-24-2011 API#: 47-5901888

Well Operator's Report of Well Work

| District: MAGNOLIA | Farm name: <u>JEROME MARCUM</u> | Op | erator Well NO | .: <u>1730</u> | |
|--|---------------------------------------|--|---|--|--|
| Longitude | LOCATION: Elevation: 882' | Qua | adrangle: <u>M</u> | <u>ATEWAN</u> | |
| Longitude | District: MAGNOLIA | C | ounty MI | NGO | |
| Longitude | Latitude: 10 023 Feet South of 37 | Deg 35 | Min 00 | Sec | - |
| Company: M&M DRILLING, INC. Casing & Used in Tubing drilling Cement fill up Cu. Ft. | Longitude 1.411 Feet West of 82 | _Dcg <u></u> | Min 30 | | |
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| Casing & Used in Tubing Casing & Used in Tubing Casing & Casing & Used in Tubing Casing & Casi | Company: M&M DRILLING, INC. | | | | |
| Tubing drilling up Cu. Ft. | | Casing & | Used in | Left in well | Cement fill |
| Address: HC 71, RT. 4, BOX 87-A WHARNCLIFFE, WV 25651 Agent: JAMES HILL T" 2358' 2358' 425 Inspector: GARY SCITES Date Permit Issued: 12/20/2007 Date Well Work Commenced: 09/28/09 Date Well Work Commenced: 10/03/09 Verbal Plugging: Date Permission granted on: Rotary YES Cable Total Depth (feet): 5,022' Fresh Water Depth (ft.): Is coal being mined in area (N/Y)? NO Coal Depths (ft.): 206-208' OPEN FLOW DATA Producing formation Gas: Initial open flow MCF/d Final open flow Bbl/d Time of open flow between initial and final tests Static rock Pressure psig (surface pressure) after Hours Static rock Pressure psig (surface pressure) after Hours NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: I). 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. | | | | Bott III WO | 1 ' |
| WHARNCLIFFE, WV 25651 9 5/8" 755' 755' 153 Agent: JAMES HILL 7" 2358' 2358' 425 Inspector: GARY SCITES 4 ½" 5020' 5020' 314 Date Permit Issued: 12/20/2007 Date Well Work Completed: 10/03/09 Perbal Plugging: Date Permission granted on: Rotary YES Cable Rig Total Depth (feet): 5,022' Fresh Water Depth (ft.): Salt Water Depth (ft.): Is coal being mined in area (N/Y)? NO Coal Depths (ft.): 206-208' OPEN FLOW DATA Producing formation Shale, Shale/Berea Pay zone depth (ft)see ATTACHED Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure psig (surface pressure) after Hours Second producing formation Pay zone depth (ft) Gas: Initial open flow MCF/d Final open flow Bbl/d Time of open flow MCF/d Final open flow Bbl/d Time of open flow MCF/d Final open flow Bbl/d Time of open flow MCF/d Final open flow Bbl/d Time of 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 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. | Address: HC 71, RT, 4, BOX 87-A | | | 32, | up our zu |
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| INCLUDING COAL ENCOUNTERED BY THE WELLBORE. | | | | | |
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| Signed: Person : | | | | | |
| | Signed John | 4 40 | | | |

API# 4/-5901888

WELL

1730

| FROM | ТО | ROCK TYPE (DESCRIBE ROCK TYPES AND OTHER MATERIALS PENETRATED AND RECORD OCCURRENCES OF OIL GAS, AND WATER FROM SURFACE TO TOTAL DEPTH) | FROM | то | ROCK TYPE (DESCRIBE ROCK TYPES AND OTHER MATERIALS PENETRATED AND RECORD OCCURRENCES OF OIL GAS, AND WATER FROM SURFACE TO TOTAL DEPTH) |
|--------------|------|---|------|----|--|
| 0 | 29 | SURFACE | | | GAS CHECK @ 2390' - 8 7/8" TD/NO GAS |
| 29 | 50 | SAND | | | GAS CHECK @ 2680' - INJUN/SMELL |
| 50 | 144 | SAND/SLATE | 1 | | GAS CHECK @ 3252' - COFFEE/SMELL |
| 144 | 206 | SAND | İ | | GAS CHECK @ 3554' - BROWN/SMELL |
| 206 | 208 | COAL | | İ | GAS CHECK (b) 3554 - BRO WIVENELL |
| 208 | 270 | SAND | | | |
| 270 | 416 | SAND/SLATE | | | • |
| 416 | 478 | SAND | | | |
| 478 | 512 | SALTE | | ľ | |
| 512 | 631 | SAND/SLATE | | | |
| 631 | 818 | SAND | | | |
| 818 | 824 | SAND/SLATE | | | |
| 824 | 947 | SAND | ľ | | |
| 947 | 991 | SLATE | | | |
| 991 | 1010 | SAND/SLATE | | | · · |
| 1010 | 1150 | SAND | | | |
| 11150 | 1205 | SLATE | | | |
| 1205 | 1203 | SAND | | İ | |
| 1203 | 1293 | SAND/SLATE | | | |
| 1217 | 1750 | SAND | | ļ | |
| 1750 | 1800 | | | | |
| | 1850 | SLATE/SAND | 1 . | | |
| 1800 1850 | 1900 | SLARE/RED ROCK | | | |
| | | RED ROCK | | - | |
| 1900 | 1930 | SAND/SLATE | | | |
| 1930 | 1990 | RED ROCK | | | |
| 1990 | 2110 | SAND/SLATE | | | |
| 2110 | 2200 | SAND | | | |
| 2200 | 2230 | SAND/SLATE | 1 | | |
| 2230 | 2300 | SAND | | | |
| 2300 | 2340 | SAND/SLATE | | | |
| 2340 | 2412 | DARK LIME | | | |
| 2412 | 2656 | BIG LIME | | | |
| 2656 | 2716 | INJUN | | | |
| 2716 | 2930 | WEIR | | | 1 |
| 2930 | 3228 | SHALE | | | .] |
| 3228 | 3290 | COFFEE SHALE | | | |
| 3290 | 3390 | BEREA | | | |
| 3390 | 3530 | GREY SHALE | | | |
| 3530 | 3590 | BROWN SHALE | | | |
| 3590 | 4300 | WHITE SHALE | | | |
| 4300 | 4350 | BROWN SHALE | 1 1 | | |
| 4350 | 4460 | WHITE SHALE | | | |
| 4460 | 4488 | BROWN SHALE | | | |
| 4488 | 4860 | WHITE SHALE | 1 . | | |
| 4860 | 4098 | BROWN SHALE | | | |
| 4098 | 5030 | MARCELLOUS |] | | |
| 5030 | 5042 | CORNIFEROUS | | | |
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QUALITY NATURAL GAS, LLC WR-35 COMPLETION REPORT - Attachment TREATMENT SUMMARY

| WELL NAME & NO. | QUALITY NATURAL GAS, LLC, #1730 | | | | |
|--------------------------|---------------------------------------|--|--|--|--|
| API# | 47-5901888 | | | | |
| DATE | NOT YET TREATED | | | | |
| | | | | | |
| STAGE NO. 1 | | | | | |
| TYPE FRAC | | | | | |
| ACID AMOUNT | | | | | |
| # PERFORATIONS | | | | | |
| PERF INTERVAL | | | | | |
| MAXIMUM PRESSURE | | | | | |
| INSTANT SHUT IN PRESSURE | | | | | |
| TOTAL TREATMENT VOLUME | | | | | |
| TOTAL TREATMENT VOLUME | | | | | |
| ~~ . ~~ | | | | | |
| STAGE NO. 2 | | | | | |
| | | | | | |
| TYPE FRAC | · · · · · · · · · · · · · · · · · · · | | | | |
| ACID AMOUNT | | | | | |
| # PERFORATIONS | | | | | |
| PERF INTERVAL | | | | | |
| MAXIMUM PRESSURE | | | | | |
| INSTANT SHUT IN PRESSURE | | | | | |
| TOTAL TREATMENT VOLUME | | | | | |
| | | | | | |
| STAGE NO. 3 | | | | | |
| STAGE NO. 3 | | | | | |
| TVDE ED A C | | | | | |
| TYPE FRAC ACID AMOUNT | | | | | |
| # PERFORATIONS | | | | | |
| • | | | | | |
| PERF INTERVAL | | | | | |
| MAXIMUM PRESSURE | | | | | |
| INSTANT SHUT IN PRESSURE | | | | | |
| TOTAL TREATMENT VOLUME | | | | | |
| | | | | | |
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