



# DIVERSIFIED WELL LOGGING

True Vertical Depth Log

1" = 100'

711 WEST 10TH STREET, RESERVE,LA.

DEPTH FROM 6811' TO '8085.71

DATES 02/03/13 TO 02/08/13

|           |                               |             |                                 |
|-----------|-------------------------------|-------------|---------------------------------|
| COMPANY : | W & T OFFSHORE INC.           | API:        | 17-712-40683-00                 |
| WELL:     | OCS-G-12010 No. A014 ST00BP00 | RIG:        | H & P 107                       |
| FIELD:    | SHIP SHOAL BLOCK 359          | SUPERVISOR: | RYAN DRAKE                      |
| REGION:   |                               | CREW:       | MARTIN DABIRINZE                |
| COUNTY    | OFFSHORE                      | UNIT:       | DAS-26                          |
| STATE:    | LOUISIANA                     | CO. REP(S): | Jerry Markum / Chester Chaisson |
| RKB ELE:  |                               | SPUD DATE:  | 01-12-2013                      |

### ABBREVIATIONS

CO - Circulated Out  
CF - Check Flow  
NB - New Bit  
SVY - Survey  
ST - Short Trip  
CG - Connection Gas  
LAT - Logged After Trip

### LITHOLOGY

|           |  |                 |  |             |  |
|-----------|--|-----------------|--|-------------|--|
| Anhydrite |  | Gypsum          |  | Salt        |  |
| Ash       |  | Limestone       |  | Sand        |  |
| Cement    |  | Limestone Sandy |  | Shale Green |  |
| Chalk     |  | Marl            |  | Shale Grey  |  |
| Coal      |  | No sample       |  | Siltstone   |  |
| Dolomite  |  |                 |  |             |  |

### MODIFIERS

|                   |  |
|-------------------|--|
| Anhydritic        |  |
| Argillaceous      |  |
| Calcareous        |  |
| Carbonaceous      |  |
| Cherty            |  |
| Conglomeratic     |  |
| Dolomite Stringer |  |
| Dolomitic         |  |
| Fossiliferous     |  |
| Marly             |  |
| Micaceous         |  |
| Pyritic           |  |
| Sandy             |  |
| Stylolitic        |  |

### SYMBOLS

|                  |  |                     |  |
|------------------|--|---------------------|--|
| Core (Recovered) |  | Sample Quality Good |  |
| Core (Lost)      |  | Sample Quality Fair |  |
|                  |  | Sample Quality Poor |  |
|                  |  | Gas Show (Fair)     |  |
|                  |  | Gas Show (Good)     |  |
|                  |  | Gas Show (Moderate) |  |
|                  |  | Gas Show (Poor)     |  |
| Casing Shoe      |  | Oil Show (Fair)     |  |
| SWC (None)       |  | Oil Show (Good)     |  |
| SWC (Recovered)  |  | Oil Show (Moderate) |  |
|                  |  | Oil Show (Poor)     |  |

| ROP / GAMMA         |     | DEPTH | Lithology | Total Gas | Chromatograph                                            |                                                   | Resistivity                                              | DESCRIPTIONS |                                                   |        |   |      |   |
|---------------------|-----|-------|-----------|-----------|----------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------|--------------|---------------------------------------------------|--------|---|------|---|
| Rate of Penetration |     |       |           | Total Gas | Gas Chromatograph c1                                     |                                                   | Shale Density                                            |              |                                                   |        |   |      |   |
| 100                 | F/H |       |           | 0         | UNIT                                                     | 100                                               | 1                                                        |              | PPM                                               | 100000 | 3 | G/C3 | 2 |
|                     |     |       |           |           |                                                          |                                                   | 1 <td>PPM<td>100000</td><td></td><td></td><td></td></td> |              | PPM <td>100000</td> <td></td> <td></td> <td></td> | 100000 |   |      |   |
|                     |     |       |           |           |                                                          |                                                   | 1 <td>PPM<td>100000</td><td></td><td></td><td></td></td> |              | PPM <td>100000</td> <td></td> <td></td> <td></td> | 100000 |   |      |   |
|                     |     |       |           |           | 1 <td>PPM<td>100000</td><td></td><td></td><td></td></td> | PPM <td>100000</td> <td></td> <td></td> <td></td> | 100000                                                   |              |                                                   |        |   |      |   |
|                     |     |       |           |           | 1 <td>PPM<td>100000</td><td></td><td></td><td></td></td> | PPM <td>100000</td> <td></td> <td></td> <td></td> | 100000                                                   |              |                                                   |        |   |      |   |
|                     |     |       |           |           | 1 <td>PPM<td>100000</td><td></td><td></td><td></td></td> | PPM <td>100000</td> <td></td> <td></td> <td></td> | 100000                                                   |              |                                                   |        |   |      |   |

Gas Chromatograph nc4  
1 PPM 100000

Gas Chromatograph ic5  
1 PPM 100000

Gas Chromatograph nc5  
1 PPM 100000

NB 17.5" Milled Tooth Bit,  
VG-1, 2x24's & 2x20's, IN  
AT 6065'

BEGIN LOGGING @ 7000'  
MD/6810.08' TVD

SHORT TRIP

6800  
6900  
7000  
7100  
7200  
7300  
7400  
7500  
7600  
7700

MD: 7031' TVD: 6838.21'  
INC: 24.83° AZIM: 167.99°

MD: 7126' TVD: 6924.4'  
INC: 24.89° AZIM: 166.88°

MD: 7219' TVD: 7008.72'  
INC: 25.01° AZIM: 166.48°

MD: 7311' TVD: 7092.21'  
INC: 24.68° AZIM: 168.44°

MD: 7408' TVD: 7180.31'  
INC: 24.79° AZIM: 169.47°

MD: 7502' TVD: 7265.6'  
INC: 24.94° AZIM: 169.46°

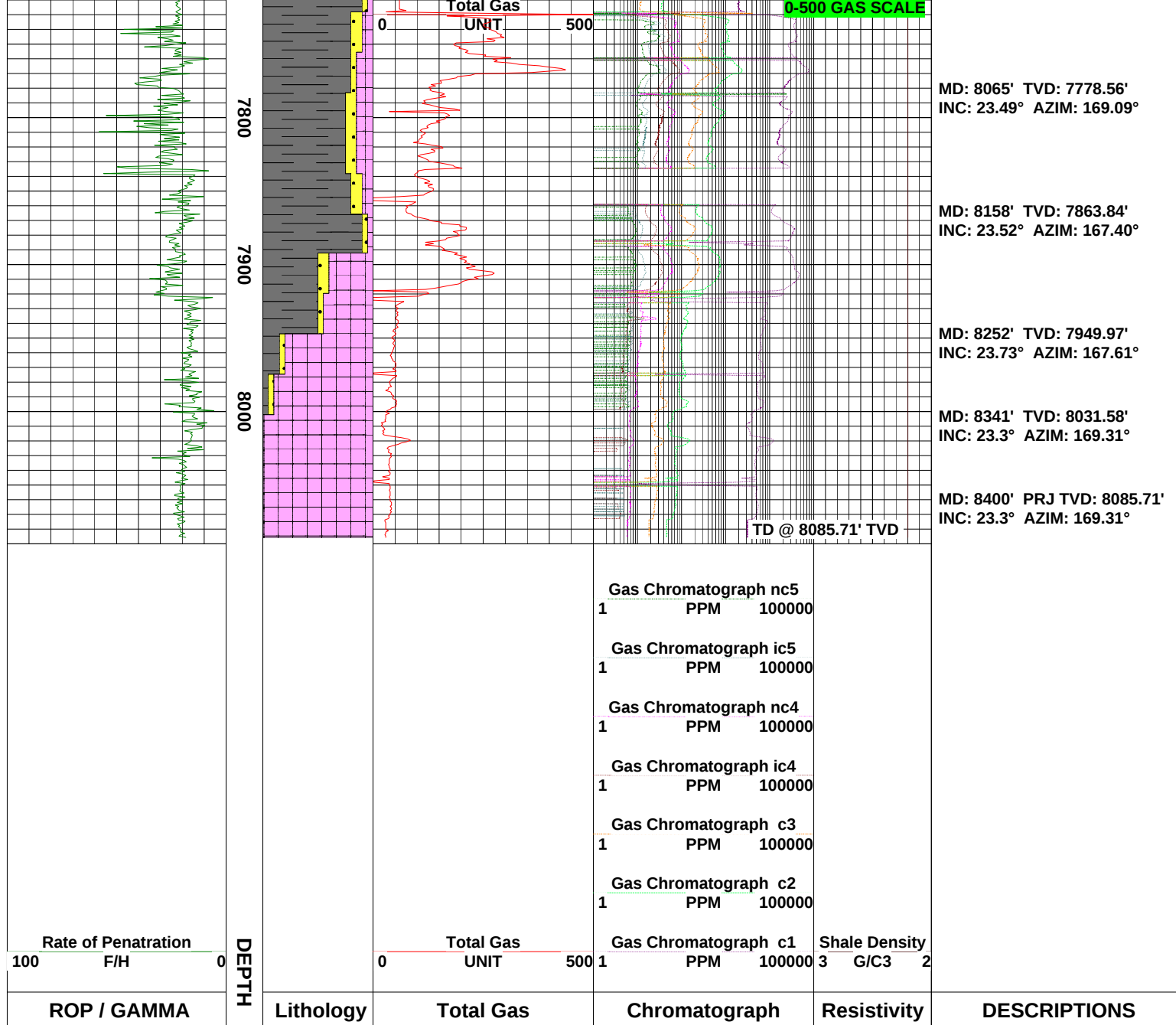
MD: 7596' TVD: 7350.89'  
INC: 24.77° AZIM: 167.45°

MD: 7688' TVD: 7434.41'  
INC: 24.83° AZIM: 166.62°

MD: 7782' TVD: 7519.69'  
INC: 24.83° AZIM: 166.62°

MD: 7876' TVD: 7605.36'  
INC: 23.7° AZIM: 168.82°

MD: 7971' TVD: 7692.39'  
INC: 23.60° AZIM: 167.72°



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True Vertical Depth Log

1" = 100'

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DEPTH FROM 6811' TO '8085.71

DATES FROM 01/29/13 TO

COMPANY : W & T OFFSHORE INC.

API: 17-712-40683-00

WELL: OCS-G-12010 No. A014 ST00BP00

RIG: H & P 107

FIELD: SHIP SHOAL BLOCK 359

SUPERVISOR: RYAN DRAKE

REGION:

CREW: MARTIN DABIRINZE

COUNTY OFFSHORE

UNIT: DAS-26

STATE: LOUISIANA

CO. REP(S): Jerry Markum / Chester Chaisson

RKB ELE:

SPUD DATE: 01-12-2013

### ABBREVIATIONS

### LITHOLOGY

CO Circulated Out

Art. Lith.



Q



Salt



|                         |           |                                                                                   |                 |                                                                                     |             |                                                                                     |
|-------------------------|-----------|-----------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|
| CO - Circulated Out     | Anhydrite |     | Gypsum          |     | Salt        |     |
| CF - Check Flow         | Ash       |    | Limestone       |    | Sand        |    |
| NB - New Bit            | Cement    |   | Limestone Sandy |  | Shale Green |  |
| SVY - Survey            | Chalk     |  | Marl            |  | Shale Grey  |  |
| ST - Short Trip         | Coal      |  | No sample       |  | Siltstone   |  |
| CG - Connection Gas     | Dolomite  |  |                 |                                                                                     |             |                                                                                     |
| LAT - Logged After Trip |           |                                                                                   |                 |                                                                                     |             |                                                                                     |

| MODIFIERS         |                                                                                   | SYMBOLS          |                                                                                   |                     |                                                                                     |
|-------------------|-----------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------|
| Anhydritic        |  | Core (Recovered) |  | Sample Quality Good |  |
| Argillaceous      |  | Core (Lost)      |  | Sample Quality Fair |  |
| Calcareous        |  |                  |                                                                                   | Sample Quality Poor |  |
| Carbonaceous      |  |                  |                                                                                   | Gas Show (Fair)     |  |
| Cherty            |  |                  |                                                                                   | Gas Show (Good)     |  |
| Conglomeratic     |  |                  |                                                                                   | Gas Show (Moderate) |  |
| Dolomite Stringer |  |                  |                                                                                   | Gas Show (Poor)     |  |
| Dolomitic         |  |                  |                                                                                   | Oil Show (Fair)     |  |
| Fossiliferous     |  | Casing Shoe      |  | Oil Show (Good)     |  |
| Marly             |  | SWC (None)       |  | Oil Show (Moderate) |  |
| Micaceous         |  | SWC (Recovered)  |  | Oil Show (Poor)     |  |
| Pyritic           |  |                  |                                                                                   |                     |                                                                                     |
| Sandy             |  |                  |                                                                                   |                     |                                                                                     |
| Stylolitic        |  |                  |                                                                                   |                     |                                                                                     |