



CORE OPERATIONS

CORE RUN: 1A

OPERATOR: Falcon Oil and Gas Australia
 WELL: Shenandoah #1
 FIELD / PROSPECT: _____
 COUNTRY: Australia
 REGION: Northern Territory

LAT: / LONG: Lat: 16° 37' 22.16" S / Long: 133°34' 38.22" E
 SECTION: N/A
 TOWNSHIP: N/A
 RANGE: N/A
 ELEV (M): GL: 226.8 m; KB: 232.6 m
 Datum: KB

OPERATOR: Falcon Oil and Gas Australia

RIG: Australian Drilling Services Rig #6
 SERVICE: Baker Hughes Inteq Coring Service
 Baker Hughes Inteq Surface Logging

| CORE RUN: 1A | | | | | | | | |
|--------------|--------------|----------|----------|------------------|----------|----------------------|--------|----------|
| Top Depth | Bottom Depth | Start | End | Penetration Rate | Canister | Can Sealed Date/Time | Sample | |
| meters, KB | meters, KB | hh:mm:ss | hh:mm:ss | mm:ss | No. | date hh:mm:ss | No. | |
| 0.2 | 1,585.0 | 1,585.2 | 13:02:00 | 13:10:00 | 08:00 | | | |
| 0.4 | 1,585.2 | 1,585.4 | 13:10:00 | 13:32:00 | 22:00 | | | |
| 0.6 | 1,585.4 | 1,585.6 | 14:12:00 | 14:32:00 | 20:00 | | | |
| 0.8 | 1,585.6 | 1,585.8 | 14:32:00 | 14:44:00 | 12:00 | | | |
| 1.0 | 1,585.8 | 1,586.0 | 14:44:00 | 14:48:00 | 04:00 | #N/A | #N/A | 44569-1A |
| 1.2 | 1,586.0 | 1,586.2 | 14:48:00 | 14:51:00 | 03:00 | #N/A | #N/A | 44569-1B |
| 1.4 | 1,586.2 | 1,586.4 | 14:51:00 | 14:56:00 | 05:00 | | | |
| 1.6 | 1,586.4 | 1,586.6 | 14:56:00 | 15:01:00 | 05:00 | | | |
| 1.8 | 1,586.6 | 1,586.8 | 15:01:00 | 15:06:00 | 05:00 | | | |
| 2.0 | 1,586.8 | 1,587.0 | 15:06:00 | 15:11:00 | 05:00 | | | |
| 2.2 | 1,587.0 | 1,587.2 | 15:11:00 | 15:14:00 | 03:00 | | | |
| 2.4 | 1,587.2 | 1,587.4 | 15:14:00 | 15:19:00 | 05:00 | | | |
| 2.6 | 1,587.4 | 1,587.6 | 15:19:00 | 15:25:00 | 06:00 | | | |
| 2.8 | 1,587.6 | 1,587.8 | 15:25:00 | 15:30:00 | 05:00 | | | |
| 3.0 | 1,587.8 | 1,588.0 | 15:30:00 | 15:36:00 | 06:00 | | | |
| 3.2 | 1,588.0 | 1,588.2 | 15:36:00 | 15:40:00 | 04:00 | | | |
| 3.4 | 1,588.2 | 1,588.4 | 15:40:00 | 15:43:00 | 03:00 | | | |
| 3.6 | 1,588.4 | 1,588.6 | 15:43:00 | 15:48:00 | 05:00 | | | |
| 3.8 | 1,588.6 | 1,588.8 | 15:48:00 | 15:52:00 | 04:00 | | | |
| 4.0 | 1,588.8 | 1,589.0 | 15:52:00 | 15:56:00 | 04:00 | | | |
| 4.2 | 1,589.0 | 1,589.2 | 15:56:00 | 16:02:00 | 06:00 | | | |
| 4.4 | 1,589.2 | 1,589.4 | 16:02:00 | 16:07:00 | 05:00 | | | |
| 4.6 | 1,589.4 | 1,589.6 | 16:07:00 | 16:12:00 | 05:00 | | | |
| 4.8 | 1,589.6 | 1,589.8 | 16:12:00 | 16:18:00 | 06:00 | | | |
| 5.0 | 1,589.8 | 1,590.0 | 16:18:00 | 16:26:00 | 08:00 | | | |
| 5.2 | 1,590.0 | 1,590.2 | 16:26:00 | 16:37:00 | 11:00 | | | |
| 5.4 | 1,590.2 | 1,590.4 | 16:37:00 | 16:48:00 | 11:00 | | | |
| 5.6 | 1,590.4 | 1,590.6 | 16:48:00 | 17:03:00 | 15:00 | | | |
| 5.8 | 1,590.6 | 1,590.8 | 17:03:00 | 17:16:00 | 13:00 | | | |
| 6.0 | 1,590.8 | 1,591.0 | 17:16:00 | 17:32:00 | 16:00 | | | |

Core Service Company: Baker Hughes Inteq
 Core Bit Type: URC - 427
 Core Bit Size¹: 21.59cm / 10.16cm
 8.5" / 4.0"
 Core Barrel Type: 9 m
 Liner Type: 9 m Solid Fiber Glass
 Coring Fluid: Water-based Mud
 Fluid Density (ppg): 8.4
 Fluid Temp. In (°C/°F): 43.2
 Fluid Temp. Out (°C/°F): 44.5
 Pump Pressure (psi): 457.0
 Pump Rate (gpm): 300
 Weight on Bit (lbs): 8,000 - 17,000
 Pipe Rotation Rate (rpm): 66
 Type Core
 (Oriented/Non-Oriented): Non-Oriented
 Formation Name: Lower Kyalla Shale
 Method for TOH: Conventional
 Date/Time Start Coring: 8/28/2009 13:02:00
 Date/Time End Coring: 8/28/2009 21:24:00
 Date/Time Start TOH: 8/28/2009 22:00:00
 Date/Time Last Stand at Surface: 8/29/2009 05:43:00
 Core Barrel Trip Out Time (hh:mm:ss): 7:43:00
 Interval Cored (m): 1,585.00 - 1,595.55
 Core Length Recovered (m): 10.55
 Reservoir Temp (°C): _____
 Reservoir Temp (°F): _____
 Surf. Temp/Press (°C/in-Hg): 22.9 / 29.26
 Surf. Temp/Press (°F/in-Hg): 73.2 / 29.26

¹ Exterior and Interior Diameter (centimeters / inches)

NOTES: Connection made from 13:32 - 14:12

No pressure increase at the commencement of coring operations. Due to this weight, on bit was thought to be reaming. Operations continued and the decision was made to TOOH and check barrel and coring BHA at 22:00 on 8/29/09.

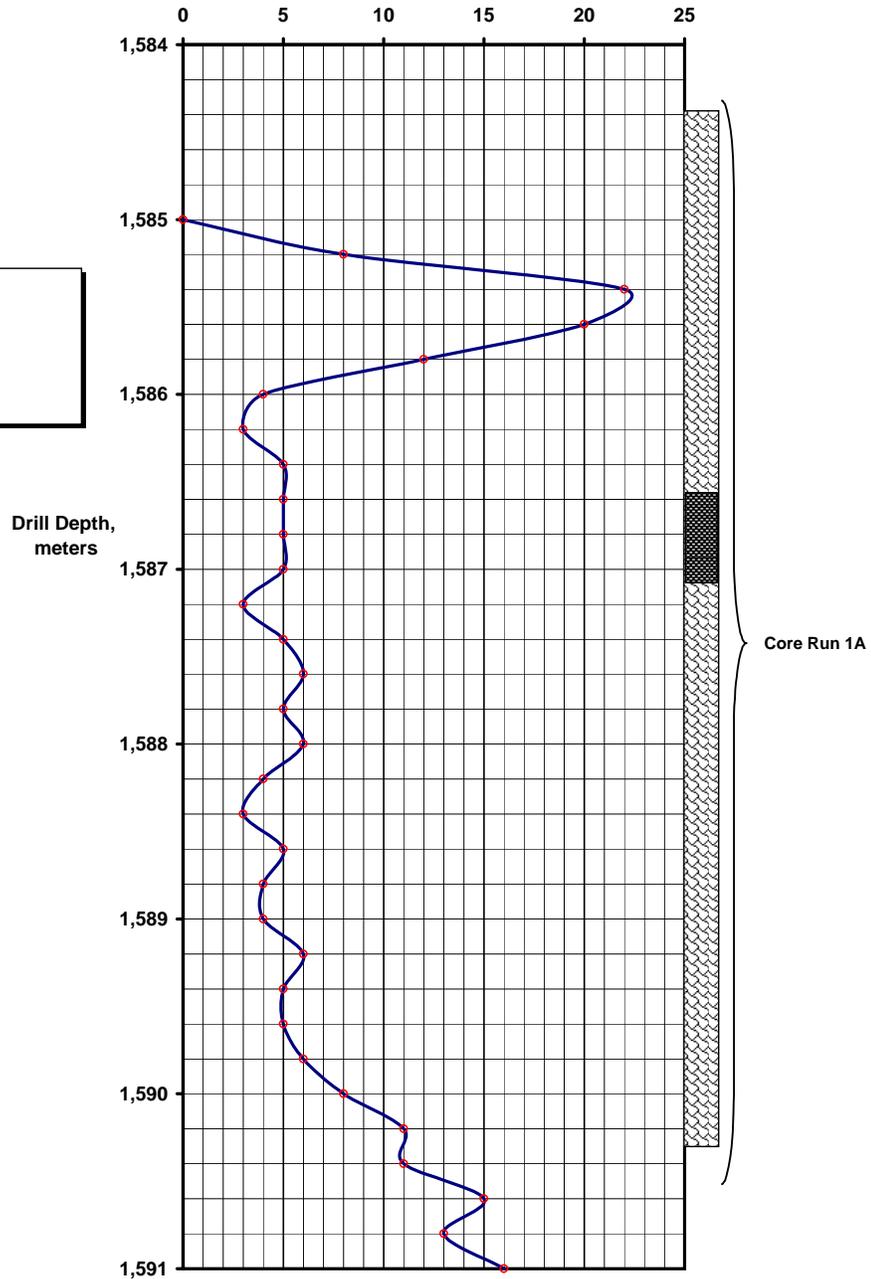
10.55 m recovered.

WFT Labs Personnel: Nathan Parker and Phil Rose

Falcon Oil and Gas Australia
 Shenandoah #1
 CORE RUN: 1A
 Lower Kyalla Shale
 Rate of Penetration

(minutes per foot)

Core Run 1
 Pump Pressure: 0 psig
 Pump Rate: 0 spm
 Pump Rate: 0 gpm
 Weight On Bit: 0 lbs.
 Pipe Rotation Rate: 0 rpm



| | |
|-------------------------------|--|
| -Non-Recovered Core | |
| -Recovered Core | |
| -Gas Content Sample Intervals | |
| -Preservation Core Intervals | |



CORE OPERATIONS

CORE RUN: 1B

OPERATOR: Falcon Oil and Gas Australia
 WELL: Shenandoah #1
 FIELD / PROSPECT: _____
 COUNTRY: Australia
 REGION: Northern Territory

LAT: / LONG: Lat: 16° 37' 22.16" S / Long: 133°34' 38.22" E
 SECTION: N/A
 TOWNSHIP: N/A
 RANGE: N/A
 ELEV (M): GL: 226.8 m; KB: 232.6 m
 Datum: KB

OPERATOR: Falcon Oil and Gas Australia

RIG: Australian Drilling Services Rig #6
 SERVICE: Baker Hughes Inteq Coring Service
 Baker Hughes Inteq Surface Logging

| CORE RUN: 1B | | | | | | | | |
|--------------|--------------|----------|----------|------------------|----------|----------------------|--------|--|
| Top Depth | Bottom Depth | Start | End | Penetration Rate | Canister | Can Sealed Date/Time | Sample | |
| meters, KB | meters, KB | hh:mm:ss | hh:mm:ss | mm:ss | No. | date hh:mm:ss | No. | |
| 0.2 | 1,591.0 | 1,591.2 | 17:32:00 | 17:38:00 | 06:00 | | | |
| 0.4 | 1,591.2 | 1,591.4 | 17:38:00 | 17:55:00 | 17:00 | | | |
| 0.6 | 1,591.4 | 1,591.6 | 18:12:00 | 18:23:00 | 11:00 | | | |
| 0.8 | 1,591.6 | 1,591.8 | 18:23:00 | 18:30:00 | 07:00 | | | |
| 1.0 | 1,591.8 | 1,592.0 | 18:30:00 | 18:36:00 | 06:00 | | | |
| 1.2 | 1,592.0 | 1,592.2 | 18:36:00 | 18:42:00 | 06:00 | | | |
| 1.4 | 1,592.2 | 1,592.4 | 18:42:00 | 18:46:00 | 04:00 | | | |
| 1.6 | 1,592.4 | 1,592.6 | 18:46:00 | 18:49:00 | 03:00 | | | |
| 1.8 | 1,592.6 | 1,592.8 | 18:49:00 | 18:56:00 | 07:00 | | | |
| 2.0 | 1,592.8 | 1,593.0 | 18:56:00 | 18:58:00 | 02:00 | | | |
| 2.2 | 1,593.0 | 1,593.2 | 18:58:00 | 19:00:00 | 02:00 | | | |
| 2.4 | 1,593.2 | 1,593.4 | 19:00:00 | 19:02:00 | 02:00 | | | |
| 2.6 | 1,593.4 | 1,593.6 | 19:02:00 | 19:04:00 | 02:00 | | | |
| 2.8 | 1,593.6 | 1,593.8 | 19:04:00 | 19:06:00 | 02:00 | | | |
| 3.0 | 1,593.8 | 1,594.0 | 19:06:00 | 19:08:00 | 02:00 | | | |
| 3.2 | 1,594.0 | 1,594.2 | 19:08:00 | 19:10:00 | 02:00 | | | |
| 3.4 | 1,594.2 | 1,594.4 | 19:10:00 | 19:17:00 | 07:00 | | | |
| 3.6 | 1,594.4 | 1,594.6 | 19:17:00 | 19:20:00 | 03:00 | | | |
| 3.8 | 1,594.6 | 1,594.8 | 19:20:00 | 19:22:00 | 02:00 | | | |
| 4.0 | 1,594.8 | 1,595.0 | 19:22:00 | 19:26:00 | 04:00 | | | |
| 4.2 | 1,595.0 | 1,595.2 | 19:26:00 | 20:00:00 | 34:00 | | | |
| 4.3 | 1,595.2 | 1,595.3 | 20:00:00 | 20:40:00 | 40:00 | | | |
| 4.4 | 1,595.3 | 1,595.4 | 20:40:00 | 20:56:00 | 16:00 | | | |
| 4.6 | 1,595.4 | 1,595.6 | 20:56:00 | 21:24:00 | 28:00 | | | |
| 4.8 | | | | | | | | |
| 4.9 | | | | | | | | |
| 5.1 | | | | | | | | |
| 5.3 | | | | | | | | |
| 5.5 | | | | | | | | |
| 5.7 | | | | | | | | |

Core Service Company: Baker Hughes Inteq
 Core Bit Type: URC - 427
 Core Bit Size¹: 21.59cm / 10.16cm / 8.5" / 4.0"
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¹ Exterior and Interior Diameter (centimeters / inches)

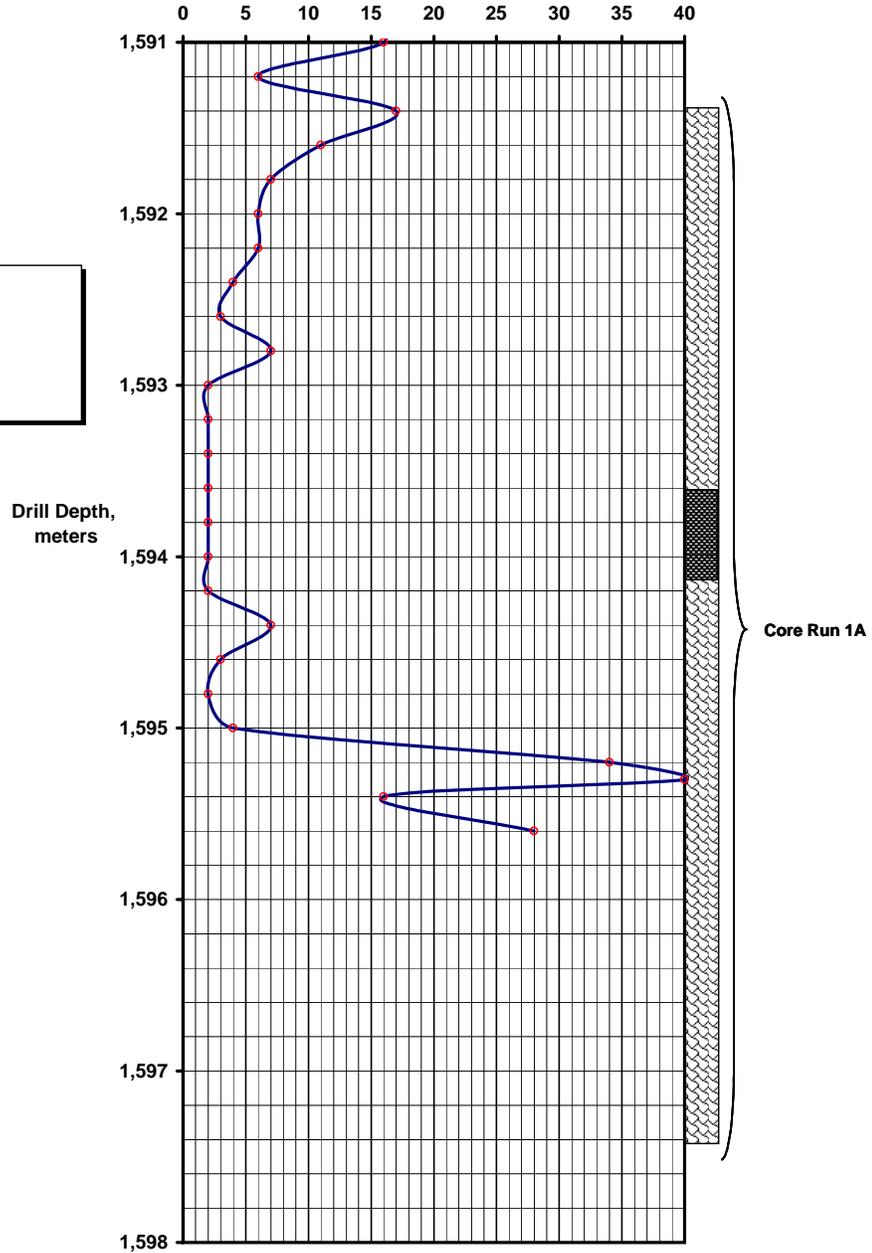
NOTES: Connection made from 19:26 - 19:54

WFT Labs Personnel: Nathan Parker and Phil Rose

Falcon Oil and Gas Australia
 Shenandoah #1
 CORE RUN: 1B
 Lower Kyalla Shale
 Rate of Penetration

(minutes per foot)

Core Run 1
 Pump Pressure: 0 psig
 Pump Rate: 0 spm
 Pump Rate: 0 gpm
 Weight On Bit: 0 lbs.
 Pipe Rotation Rate: 0 rpm



-Non-Recovered Core
 -Recovered Core
 -Gas Content Sample Intervals
 -Preservation Core Intervals