### LOG INTERVAL

<table>
<thead>
<tr>
<th>DEPTH:</th>
<th>12 m MD</th>
<th>TO 960 m MD</th>
</tr>
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<tbody>
<tr>
<td>DATE:</td>
<td>24 FEB 2014</td>
<td>TO 07 MAR 2014</td>
</tr>
<tr>
<td>SCALE:</td>
<td>1:500</td>
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### CASING DATA

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<th>SIZE:</th>
<th>9-5/8&quot;</th>
<th>16&quot;</th>
<th>7&quot;</th>
<th>12.0 m MD</th>
<th>119 m MD</th>
<th>536.5 m MD</th>
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<tbody>
<tr>
<td>TO:</td>
<td>960 m MD</td>
<td>544 m MD</td>
<td>120 m MD</td>
<td>544 m MD</td>
<td>960 m MD</td>
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</tr>
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### MUD TYPES

<table>
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<tr>
<th>TYPE:</th>
<th>WBM</th>
<th>TO 120 m MD</th>
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<tbody>
<tr>
<td>WBM</td>
<td>TO 544 m MD</td>
<td></td>
</tr>
<tr>
<td>Air Drilling</td>
<td>TO 960 m MD</td>
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</table>

### HOLE SIZE

<table>
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<tr>
<th>SIZE:</th>
<th>12-1/4&quot;</th>
<th>8-1/2&quot;</th>
<th>6-1/8&quot;</th>
<th>120 m MD</th>
<th>544 m MD</th>
<th>960 m MD</th>
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<tbody>
<tr>
<td>TO:</td>
<td>12-1/4&quot;</td>
<td>8-1/2&quot;</td>
<td>6-1/8&quot;</td>
<td>120 m MD</td>
<td>544 m MD</td>
<td>960 m MD</td>
</tr>
</tbody>
</table>

### SYMBOLS

- Casing
- Side Wall Core
- Wireline Log
- Bit Trip
- Survey
- No Show
- Weak Show
- Fair Show
- Good Show

### ABBREVIATIONS

- NB: New Bit
- RRB: Rerun Bit
- CB: Core Bit
- TG: Trip Gas
- SG: Survey Gas
- WTG: Wiper Trip Gas
- CG: Connection Gas
- SWG: Swab Gas
- WOB: Weight On Bit
- RPM: Rotary Rev/Min.
- PP: Pump Pressure
- SPM: Stroke/Min.
- MW: Mud Weight
- CI: ppm Chloride Ion
- Rm: Mud Resistivity
- Rmf: Filtrate Resistivity
- LAT: Lagged After Trip
- LAS: Lagged After Svy
- NR: No Returns
- PR: Poor Returns
- LC: Lost Circulation
- CO: Circulation Out
- SVY: Survey
- AZI: Azimuth
- CSG: Casing
- SOL: Solids %

### COMPANY: Tri-Star Energy

- BLOCK: EP 134
- WELL: New Crown 1
- FIELD: Pedirka Basin
- REGION: Onshore, NT Australia
- COMPANY: Tri-Star Energy
- BLOCK: EP 134
- WELL: New Crown 1
- FIELD: Pedirka Basin
- REGION: Onshore, NT Australia
- DATE: 24 FEB 2014
- SCALE: 1:500

### FORMATION EVALUATION

- LATITUDE: xx° xx' xx" S
- LONGITUDE: xxx° xx' xx.xx" E
- NORTHING: 7170391 m N
- EASTING: 522870 m E
- Elevation: RT-GL: 2.75 m
- Country: Australia
- API Index: Exploration
- Spud Date: 24 FEB 2014
- Total Depth: 960 mMDRT/960 mTVDRT
- Contractor: Mitchell
- Rig/Type: Rig-1236/ Schramm 200
- Geologist: xxx
- Logging Unit: 118
- Data Engineer: Sachin Jagtap/ Ohidul Islam.
- Loggers: xxx.

### FORMATION ANALYSIS

- **Sandstone**
- **Argillaceous Sandstone**
- **Claystone**
- **Silty Sandstone**
- **Carbonaceous Claystone**
- **Earthy Coal**
- **Basement**

- **Argillaceous**
- **Silty**
- **Calcereous**
- **Dolomitic**
- **Pyrite**
- **Siliceous**
- **Foram**
- **Oolitic**
- **Glauconite**
- **Bentonite**
- **Mollusc**
- **Coated Grains**
- **Coral**
- **Gastropod**

### Lithology Description

**Sandstone**
- Calcareous Sandstone
- Silty Sandstone
- Argillaceous Sandstone

**Siltstone**
- Carbonaceous Siltstone
- Coal

**Claystone**
- Argillaceous Siltstone

**Earthy Coal**
- Limestone
- Conglomerate

**Basement**

### Weatherford Surface Logging System

**Company:** Tri-Star Energy  **Well:** New Crown 1  **Location:** Onshore, NT Australia  **Spud:** 24 FEB 2014  **Scale:** 1:500
Spudded New Crown 1
12 1/4" section on 24 Feb 2014

SANDSTONE: light grey, white, fine to predominantly medium, clayey matrix, angular to subangular, subspherical to elongate fractured grains, loose, fair to good porosity.

BIT 1: 12 1/4" bit
Maker: HMI-PDC
S/N: 1612028
Jet: 4x16, 3x18
In: 12.0 m
Out: 120.0 m
Bit Hrs: 4.5 Hrs

CLAYSTONE: Light grey, yellowish grey, light brown, occasional brown to reddish interlaminations, soft to moderately hard, sticky in part, massive sand contamination from above.

MW: 8.6ppg
FV: 46, PV: 8, YP: 10
WOB: 1 - 10 klb
TRQ: 4.6 - 4.8 klb
SPP: 200 - 220 psi
FlowIn: 300-400gpm

CLAYSTONE: Light grey, light brown, white, off white, occasional brown to reddish interlaminations, soft to moderately hard, sticky.

SVY: 117.0 m, 0.4 deg

Commence 8-1/2" section drilling on 01st Mar 2014 @ 1500hrs

Performed FIT @ 120.0mMD
MW: 8.4ppg, 77psi EMW: 12.15ppg

BIT 2: 8 1/2" bit
PDC
S/N: M76HPX
Jet: 4x12, 3x11
TFA: 0.72sq.in
In: 120.0 m
Out: 544m
Bit Hrs: 8.7 Hrs
CLAYSTONE: Medium grey to dark grey, occasional dark bluish grey interlamina
tions, soft to moderately hard, sticky, non calcious.

MW: 8.9 ppg, FV: 46
PV: 8, YP: 10

CLAYSTONE: Medium grey to dark grey, occasional dark bluish grey, light grey
interlamina
tions, soft to moderately hard, sticky, rear slightly silty, non calcious.

WOB: 1 - 8 klb
RPM: 35 - 105
TRQ: 2.3 - 5.3 klb
SPP: 121 - 398 psi
FlowIn: 250 - 310 gpm

SILTSTONE: Light grey to medium grey, very arenaceous, moderately hard, abundant dark
green lithic fragments, non calcareous.

SVY: 233.0 m, 0.5 deg

SILTSTONE: Medium grey to dark grey, very arenaceous to argilaceous, moderately hard,
abundance dark green lithic fragments, tr. quartz, non calcareous.

SVY: 263.0 m, 0.5 deg

CLAYSTONE: Medium grey to dark grey, occasional light grey, interlamina
tions, soft to moderately hard, sticky, rear slightly silty, tr. Pyrite lamina, non calcious.

SVY: 263.0 m, 0.5 deg

SANDSTONE: White, off white grey, light yellow white, clear to translucent, fine to
coarse, aggregates of fine grains, loose to friable, subangular to subrounded,
spherical, moderately sorted, common white matrix, trace siliceous cement, rare brown
stain grains, poorly inferred porosity, no show.

01 Mar 2014
02 Mar 2014
WOB: 1 - 7 klb
RPM: 51 - 115
TRQ: 4.3 - 4.7 kips
SPP: 220 - 490 psi
Flowin: 220-315 gpm

SVY: 320.0 m, 0.2 deg
SANDSTONE: white, off white grey, transparent to translucent, loose, medium to coarse, subangular to subrounded, subspherical, moderate to well sorted, rare light brown stain grains, fair inferred porosity, no show.

SVY: 369.12 m, 0.6 deg
SANDSTONE: white, off white, transparent to translucent, occasionally brown grain, loose, medium to coarse, occasionally fine and very coarse, subangular to subrounded, subspherical, moderate to well sorted, rare light brown stain grains, fair inferred porosity, no show.

SVY: 417.67 m, 0.4 deg
SANDSTONE: white, off white, transparent to translucent, occasionally brown grain, loose, medium to coarse, occasionally fine and very coarse, subangular to subrounded, few very will rounded grain, subspherical, moderate to well sorted, rare light brown stain grains, Tr. of pyrrt, fair inferred
SANDSTONE: white, clear, transparent to translucent, occasionally off white, loose, medium to coarse, occ fine and very coarse, subangular to subrounded, tr. few very well rounded grain, subspherical, moderate to well sorted, rare light brown stain grains, tr. of lithics, fair inferred porosity, no show.

CLAYSTONE: Medium grey to dark grey, occasional light grey, soluble in water, soft to moderately hard, sub blocky, rear slightly silty, Tr. Pyrite lamina, non calcarios.

SVY: 475.82 m, Incl: 0.4 deg

SANDSTONE: white, off white, transparent to translucent, occasionally brown grain, loose, medium to coarse, occ fine and very coarse, subangular to subrounded, tr. few very well rounded grain, subspherical, moderate to well sorted, rare light brown stain grains, tr. of pyritr, fair inferred porosity, no show.

SANDSTONE: white, off white, transparent to translucent, occasionally brown grain, loose, medium to coarse, occ fine and very coarse, subangular to subrounded, tr. few very well rounded grain, subspherical, moderate to well sorted, rare light brown stain grains, occasionally consolidated, fair inferred porosity, no show.

SANDSTONE: white, off white, transparent to translucent, loose, medium to coarse, occ fine and very coarse, subangular to subrounded, tr. few very well rounded grain, subspherical, moderate to well sorted, rare light brown stain grains, occasionally consolidated, fair inferred porosity, no show.

SVY: 524.50 m, Incl: 0.8 deg

Coal: Black, occasionally light brownish black, soft, brittle, earthy to sub vitreous, hackly fracture.

8.5" Section TD @544m MD
Reached on 02 Mar 2014
SANDSTONE: white, off white, transparent to translucent, loose, medium to coarse, occ fine and very coarse, subangular to subrounded, tr. few very will rounded grain, subspherical, moderate to well sorted, tr. of mica, fair inferred porosity, no show.

Coal: Black, soft, brittle, sub angular to subrounded, sub vitreous, hackly fracture.

WOB: 1-6 klb
RPM: 75-110
TRQ: 1.5-4.7 klb
SPP: 420-690 psi

SANDSTONE: Light grey, off white, transparent to translucent, loose, medium to coarse, occ fine and very coarse, subangular to subrounded, tr. few very will rounded grain, subspherical, moderate to well sorted, tr. of mica, tr. of pyrite, fair inferred porosity, no show.

Tr. of medium grey siltstone
Tr. of Coal

SAMPLE collected after every connection

Coal: Black, brownish black, moderately hard, brittle, sub angular, sub vitreous.

SANDSTONE: Light grey, off white, transparent to translucent, loose, medium to coarse, occ fine and very coarse, subangular to subrounded, tr. few very will rounded grain, subspherical, moderate to well sorted, tr. of mica, tr. of pyrite, fair inferred porosity, no show.

SILTSTONE: dark grey to medium grey, very carbonaceous in part very
Weatherford Mudlogging installed
Block height sensor.
used rig sensor target.
Depth data recorded from 800m

SANDSTONE: white, off white grey to light brown white, clear to translucent, fine to medium, coarse aggregates of fine grains, moderately sorted, loose to friable to firm, subangular, spherical (fine) to sub elongate (medium-coarse), common white matrix, trace siliceous cement-faceted grains, rare brown stained grains, common argillaceous coating grains, tr of pyrite, tr.of mica, good porosity

COAL: black, earthy to vitreous, hard to crumbly where argillaceous, brittle, uneven to angular, sub vitreous.

SANDSTONE: white, off white grey, light pink, clear to translucent, fine to medium, coarse,
aggregates of fine grains, moderately sorted, loose to friable to firm, siliceous cement, subangular, spherical (fine) to sub elongate (medium-coarse), common white matrix, trace siliceous cement- faceted grains, rare brown stain grains, common argillaceous coating grains, tr of pyrite, tr.of mica, good porosity

SANDSTONE: white, off white grey, light pink, clear to translucent, fine to medium, coarse, aggregates of fine grains, moderately sorted, loose to friable to firm, siliceous cement, subangular, spherical (fine) to sub elongate (medium-coarse), common white matrix, trace siliceous cement- faceted grains, rare brown stain grains, common argillaceous coating grains, tr of pyrite, tr.of mica, good porosity

COAL: black, earthy to vitreous, hard to crumbly where argillaceous, brittle, uneven to angular, sub vitreous.

SANDSTONE: white, off white grey, clear to translucent, fine to coarse, com medium, aggregates of fine grains, moderately sorted, loose to friable to firm, siliceous cement, subangular, spherical (fine) to sub elongate (medium-coarse), common white matrix, trace siliceous cement- faceted grains, rare brown stain grains, common argillaceous coating grains, tr of pyrite, tr.of mica, good porosity, no shows.

COAL: black, occasionally brownish black, earthy to vitreous, hard to crumbly where argillaceous, brittle, uneven to angular, sub vitreous.

CLAYSTONE: Mediam grey to grey, light grey, occasional dark grey, soluble in water, moderately hard, sub blocky, sb-platy, non calcarios.

SANDSTONE: white, off white grey, clear to translucent, fine to coarse, com medium, aggregates of fine grains, moderately sorted, loose to friable to firm, siliceous cement, subangular, spherical (fine) to sub elongate (medium-coarse), common white matrix, trace siliceous cement- faceted grains, rare brown stain grains, common argillaceous coating grains, tr of lithic fragment, tr.of mica, good porosity, no shows.

6.125" Section TD @960m MD
Reached on 07 Mar 2014