

Annual Report 2013 - 2014 for EL25/2008

APPENDIX 5

Drill-hole Logs, OJ030-OJ035
(Rowena Murcott)

Midland Energy

DRILL HOLE No OJ 30

Survey Depth	Azimuth	Dip	Hole Co-ordinates	GPS GDA 94
			Easting	0524 860m E
			Northing	5314 951m N
			Elevation (m)	371m RL
			Azimuth_Mag	0
			Dip	-90

SHEET 1 OF 3

Scale: 1:100

PROJECT:	OAKLANDS-JERICO COAL
PROSPECT:	EL 26 / 2008
DATE:	1st SEPTEMBER 2014
LOGGED BY:	MURCOTT

KMR TRUCK MOUNTED ROVING SCOUT

DRILLER: DALE ROBERTS PRECOLLAR SCREW 5 1/2"

3.6m - HQ3 DIAMOND DRILLING

HOLE DEPTH	CORE RECOVERY	RCD	SAMPLE NO	SULPHIDES					PICTORIAL LOG		GRAPHIC LOG	GEOLOGY NOTES	SUMMARY LOG
				1	3	1	3	5	STRUCT	ALT			
1											0-3.6m REGOLITH RED-BROWN SANDY CLAYS		
2													
3													
4	40	0											
5	100	20									3.6-4.15m SANDSTONE; YELLOW; WEATHERED 4.15-4.70m DOLERITE TALUS; DOLERITE FRAGMENTS IN SANDS 4.70-4.89m DOLERITE; STAINED AND WEATHERED.		
6	100	20							αJ22° αJ50°		4.89-13.42m DOLERITE; fresh; grey-blue OPHATIC		
7	100	0							αJ35° αJ22° αJ22° αJ22°				
8	100	55							αJ10°	SERICITE CALCITE			
9	100	90							αJ45°				
10	100	95											
11	100	40											
12	100	25							αJ12° SLK αJ45°	SERICITE			
13	100	95							αJ70° αJ45° αJ35°	sericite HORNFELS	CALCITE VEINLETS up to 3mm XV 3° VARYING		
14	100	90							αJ35°		HORNFELS ALTERATION 13.42-16.30m MUDSTONE; BLEACHED / ALTERED. CREAM; TRACE OF SILTY BANDING.		
15	100	10							αJ40°				
16	100	60							αJ45°				
17	100	0							αJ30°		16.30-16.71m SILTSTONE; GREY; TRACE CALCITE MINOR SEDIMENTARY SLUMPING 16.71-16.92m MUDSTONE; GREY; FINE GRAINED		
18	100	55							αJ10° αJ40° αJ30°		16.92-17.59m CARBONACEOUS MUDSTONE AND GREY MUDSTONE INTERBEDS; FINE; TRACE COAL 17.59-17.76m GREY MUDSTONE; CARBONACEOUS AT BASE		
19	100	0							αJ32° αJ65°		17.76-18.60m SILTSTONE; GREY; CARBONACEOUS MUDSTONE FINE LAMINAE INTERBEDS 18.60-19.53m MUDSTONE; GREY; SOME FINE SILTY LAMINAE INTERBEDS		
20	100	40							αJ50°		19.53-20.18m SILTSTONE GREY; SOME MUDSTONE FINE INTERBEDS - FLAKES		
REMARKS		SLK = Slickenside											

Survey Depth	Azimuth	Dip	Hole Co-ordinates	
			Easting_	
			Northing_	
			Elevation (m)	
			Azimuth_Mag	
			Dip	

PROJECT: <u>OAKLANDS - JERICHO COAL</u>
PROSPECT: <u>EL 26 / 2008</u>
DATE:
LOGGED BY: <u>MURCOTT</u>

HOLE DEPTH	CORE RECOVERY	ROD	SAMPLE NO	SULPHIDES	PICTORIAL LOG		GRAPHIC LOG	GEOLOGY NOTES	SUMMARY LOG
					STRUCT	ALT			
21	100	40				xj 45° WEAK FRIBLE	0.08 0.5 1 2 3 4 5 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34	20-18-20-70m MUDSTONE; GREY; SOME RARE SILTY INTERBEDS; CARBONACEOUS 20-70-20-75m CARBONACEOUS MUDSTONE, DARK GREY 20-75-20-78m MUDSTONE, GREY 20-78-20-90m COAL; DULL; HEAVY (0-12m) 20-78-20-80m COALY CLAYS 20-80-20-90m COAL; 20% BRIGHT COALY CLAYS 20-90-20-91m COALY CLAYS 20-91-21-00m CARBONACEOUS MUDSTONE + MUDS 21-00-24-10m SILTSTONE; GREY TO BROWN; JUDGED WEAK MATRIX; UNCONSOLIDATED IN PART @ 22-30-22-75m SOME CARBONACEOUS BANDS @ 21-37-21-42m; 22-40-22-46m	
22	100	30				xj 50° undulating xj 87° WEAK		24-10 - 26-82m SANDSTONE; CREAM; FINE SOME TO ABUNDANT INTERBEDS OF BROWN CARBONACEOUS AND SILTY BANDS UP TO 25mm IN WIDTH. UNIT IS WEAK; FRIBLE AND IN PART UNCONSOLIDATED.	
23	100	0				xj 45° AF 30°		26-82 - 27-64m SANDSTONE; LIGHT GREY; MEDIUM GRAINED; MASSIVE TRACES COAL FLASERS AT BASE 27-64 - 28-15m SANDSTONE; CREAM/BROWN CARBONACEOUS MUDSTONE + COAL FLASER BEDS IN SS MATRIX	
24	100	30				xj 45° AF 30°		28-15 - 31-48m SANDSTONE; CREAM-GREY; MEDIUM TO FINE GRAINED; MIND SALT + PEPPER TEXTURE 28-46 - 28-48m FINE CARBONACEOUS MUDSTONE LAMINAE IN SS MATRIX 28-52 - 28-67m CMS LAMINAE IN CARBONACEOUS SILTSTONE 28-95 - 30-05m ERODED FLASERS 30-12 - 31-38 CMS FLASERS IN MINOR SS MATRIX	
25	100	80				xj 87°		31-90 - 32-68m SILTSTONE GREY; WEAK; UNCONSOLIDATED IN PART.	
26	100	90				xj 85° xj 55°		32-68 - 34-14m MUDSTONE; INTERBEDDED GREY MUDSTONE AND SILTSTONE 33-60-34-14m INCREASING CARBONACEOUS WITH WEAK GREY MUDSTONE	
27	100	85				FLASERS		34-14 - 34-81m CARBONACEOUS MUDSTONE; WEAK; FRIBLE; TRACE COAL + DIRT 34-81 - 35-00m SILTSTONE; LIGHT BROWN; FRIBLE 35-00 - 35-16m SANDSTONE - CALCIFIED 35-16 - 35-42m MUDSTONE; GREY; UNCONSOLIDATED 35-42 - 35-62m SILTSTONE; GREY; TRACE MUDSTONE LAMINAE 35-62 - 35-83m GREY MUDSTONE; SILTSTONE INTERBEDS 35-83 - 36-02m SILTSTONE; FRIBLE 36-02 - 36-52m CARBONACEOUS MUDSTONE; TRACE GM + SLT 36-52 - 36-69m SILTSTONE; GREY MUDSTONE; FRIBLE 36-69 - 37-90m SILTSTONE; DARK GREY; FRIBLE CONSOLIDATING AT BASE	
28	100	90				FLASERS		37-90 - 38-41m GREY MUDSTONE; SOME WEAK BANDS 38-41 - 38-72m INTERBEDDED CARBONACEOUS MUDSTONE AND SILTSTONE; FRIBLE 38-72 - 38-87m CARBONACEOUS MUDSTONE; DARK GREY; MASSIVE 38-87 - 39-02m SANDSTONE; FINE; WEAK; FRIBLE 39-02 - 39-04m CARBONACEOUS MUDSTONE; DARK GREY 39-04 - 39-31m COAL; DULL; 5% BRIGHT BANDS	
29	100	95						39-31 - 39-52m GREY MUDSTONE 39-52 - 39-58m CARBONACEOUS MUDSTONE 39-58 - 40-50m COAL; dull, heavy; 10% bright bands (0-92m)	
30	100	95							
31	100	95							
32	100	40				xj 22°			
33	100	70							
34	100	50				xj 55°			
35	100	15				xj 87° xj 40°			
36	100	25				xj 120° undulating			
37	100	0				xj 45° xj 87°			
38	100	60				xj 80°			
39	100	55				xj 15°			
40	100	10				xj 75° SLK undulating			
REMARKS				SLK = slickensides					

Survey Depth	Azimuth	Dip	Hole Co-ordinates
			Easting_
			Northing_
			Elevation (m)
			Azimuth_Mag
			Dip

PROJECT: OAKLANDS - JERICHO COAL
PROSPECT: EL 26/2008
DATE:
LOGGED BY: MURCOTT

HOLE DEPTH	CORE RECOVERY	ROD	SAMPLE NO	PREFIX	SULPHIDES					PICTORIAL LOG		GRAPHIC LOG	GEOLOGY NOTES	SUMMARY LOG
					%	1	3	1	3	5	STRUCT			
41	100	10											40.50 - 40.73m GREY MUDSTONE; TRACE COAL FLASERS	
													40.73 - 40.76m COAL (0.03m)	
													40.76 - 40.95m GREY MUDSTONE	
42	100	70											40.95 - 41.00m FAULT? FRIABLE; BROKEN MUDSTONE	
													41.00 - 41.36m GREY MUDSTONE; SOME CMS	
													41.36 - 42.97m SILTSTONE WITH INTERBEDDED GREY MUDSTONE BANDS	
43	100	70											42.97 - 43.28m CARBONACEOUS MUDSTONE - FRIABLE	
44	100	70											43.28 - 45.65m GREY MUDSTONE WITH FINE SANDSTONE/SILTSTONE INTERBEDDING	
45	100	50												
46	100	80											45.65 - 46.22m SANDSTONE VERY FINE GRAINED WITH SOME COAL FLASER LAMINAE	
47	100	50											46.22 - 46.80m CARBONACEOUS MUDSTONE WITH SOME BROWN SILTSTONE/DIRT BANDS	
													46.80 - 46.91m WEATHER CARB. MUD WITH TRACE COAL	
													46.91 - 47.55m SILTSTONE; FINING TO BASE AND LESS COHERENT TO BASE - CALCIFICATION	
48	100	15											47.55 - 47.64m CARBONACEOUS MUDSTONE - BROWN	
													47.64 - 48.27m CARBONACEOUS MUDSTONE AND COAL	
49	100	0											48.27 - 48.88m GREY MUDSTONE; SILTY AT BASE	
													48.88 - 49.22m GREY MUDSTONE; SILTY AT BASE	
50	100	0											49.22 - 50.52m SANDSTONE/SILTSTONE; LIGHT GREY	
51	100	25											50.52 - 53.46m SILTSTONE AND GREY MUDSTONE INTERBEDDED	
52	100	55											51.95 - 52.20m SILTSTONE	
													53.00 - 53.46m SILTSTONE	
													53.37 - 53.46m SILTY MUDSTONE	
53	100	30												
54	100	25											53.46 - 54.40m Mudstone - breccia; medium grey fragments of grey mudstone in a grey clay matrix; disintegrating	
55	100	0											54.40 - 54.76m GREY MUDSTONE; some carb mud beds	
													54.76 - 54.84m FAULT?	
													54.84 - 55.30m CARBONACEOUS MUDSTONE; BROWN; DINTS	
56	100	10											55.30 - 55.73m SILTSTONE; DISINTEGRATING; WEAK MATRIX	
													55.73 - 56.27m SILTSTONE AND CARBONACEOUS MUDSTONE	
57	100	10											56.27 - 56.61m SILTSTONE AND GREY MUDSTONE; FRIABLE	
													56.61 - 58.10m CALCIFIED SANDSTONE; SOME FRIABLE SILTSTONE	
58	100	0											INTERBEDDED (some cms); FRIABLE; DISINTEGRATING IN CLAY MATRIX	
END OF HOLE 58.1m														
(TARGET WAS 60m - CORE BARREL BECAME BOGGED AT 58m)														
REMARKS														

Midland Energy

DRILL HOLE No 0J31

Survey Depth	Azimuth	Dip	Hole Co-ordinates GPS GDA 94
			Easting_ 0525 260m E
			Northing_ 5313 657m N
			Elevation (m) 402m RL
			Azimuth_Mag 0
			Dip -90

SHEET 1 OF 4

PROJECT: OAKLANDS - JERICHO COAL
PROSPECT: EL26 /2008
DATE: 4 SEPTEMBER 2014
LOGGED BY: MURCOTT

KMR TRUCK MOUNTED ROVING SCOUT

DRILLER: DALE ROBERTS

Precollar
to 2.3m
Screw 5/8"

HOLE DEPTH	CORE RECOVERY	ROD	SAMPLE NO	SULPHIDES					PICTORIAL LOG		GRAPHIC LOG					GEOLOGY NOTES	SUMMARY LOGS
				%	STRUCT	ALT	mm	mm	mm	mm	mm	mm					
1															0-2.3m REGOLITH RED/BROWN SANDS AND CLAYS		
2																	
3	70	0													2.3-2.84m MUDDSTONE, YELLOW/GREY	2.3m HQ3 DIAMOND DRILL	
4	80	0												2.84-3.35m SANDSTONE, YELLOW			
5	50	0												3.35-8.70m MUDSTONE, YELLOW TO GREY SOME SAND/SILT BEDS FAULTED CONTACT AT BASE OF UNIT $\alpha F 40^\circ$			
6	60	0							$\alpha F 20^\circ$								
7	100	20							$\alpha b 82^\circ$								
8	85	0							$\alpha J 40^\circ$ $\alpha b 87^\circ$								
9	70	0							$\alpha F 40^\circ$ $\alpha J 50^\circ$ $\alpha b 87^\circ$	iron stain				8.70-8.96m CARBONACEOUS MUDSTONE, GREY 8.96-9.20m GREY MUDSTONE, SOME CMS CLAY INTERBEDS			
10	100	30												9.20-9.65m PEAT; BROWN CARBONACEOUS/COAL CLAYS BECOMING SILTY TO BASE 9.65-9.86m GREY MUDSTONE CLAYS; iron stain 9.86-10.61m SILTSTONE YELLOW/GREY iron staining			
11	100	40							$\alpha b 78^\circ$					10.61-19.74m SANDSTONE, GREY; LITIC MEDIUM TO FINE IRON STAINED TO 11.48m			
12	100	100												SOME CARBONACEOUS MUDSTONE AND COAL FLASERS - FINE -			
13	100	100							$\alpha b 70^\circ$								
14	100	100							$\alpha J 10^\circ$								
15	100	100							$\alpha J 20^\circ$	iron stain							
16	100	100							$\alpha b 72^\circ$								
17	100	100							$\alpha b 65^\circ$								
18	100	100															
19	100	100															
20	100	85												19.74-19.85m CARBONACEOUS MUDSTONE CLAYS → PEAT; BROWN 19.85-20.32m GREY MUDSTONE, LAMINATED WITH SILTY INTERBEDS; FRIABLE			
REMARKS																	

Survey Depth	Azimuth	Dip	Hole Co-ordinates
			Easting_
			Northing_
			Elevation (m)
			Azimuth_Mag
			Dip

PROJECT: OAKLANDS - JERICHO COAL
PROSPECT: EL26/2008
DATE: 4 SEPTEMBER 2014
LOGGED BY: MURCOTT

HOLE DEPTH	CORE RECOVERY	R/D	SAMPLE NO	SULPHIDES	PICTORIAL LOG		GRAPHIC LOG	GEOLOGY NOTES	SUMMARY LOG
					STRUCT	ALT			
				%			mm		
				1 3 1 3 5			0.08 0.5 2 8 32		
21	100	10							20.32 - 20.56m CARBONACEOUS MUDSTONE - FRIABLE 20.56 - 20.85m SILTSTONE; friable; pale brown; some mudstone 20.85 - 21.12m SILTSTONE; coherent; cream-brown
22	100	10							21.12 - 21.60m SILTSTONE + CLAYS; TRACE COAL 21.60 - 21.90m FRIABLE 21.90 - 22.74m GREY MUDSTONE; bedded; friable 22.74 - 23.28m SILTSTONE; friable grading to coherent sandstone at base
23	100	25							23.28 - 23.64m CARBONACEOUS MUDSTONE; brown; friable; trace dirt bands 23.64 - 25.74m SANDSTONE; LITHIC; FINE GRAINED 25.74 - 27.70m GREY MUDSTONE; friable; fretting GREY-LIGHT BROWN TRACE SANDY MATRIX
24	100	10							27.70 - 27.90m MUDSTONE; COHERENT GREY-BROWN 27.90 - 28.05m CARBONACEOUS MUDSTONE; LIGHT BROWN 28.05 - 28.11m (0.06m) COAL; dull; 2% bright band
25	100	90							28.11 - 28.17m (0.06m) COAL; dull; 2% bright band 28.17 - 28.22m (0.05m) COAL; dull; 20% bright 28.22 - 28.50m CARBONACEOUS MUDSTONE GRADING TO MUDSTONE 28.50 - 30.05m GREY MUDSTONE WITH SANDY INTERBEDS
26	85	30							30.05 - 30.12m (0.07m) COAL; dull; heavy; dirt 30.12 - 30.95m GREY MUDSTONE AND SILTSTONE INTERBEDS 30.95 - 31.04m (0.09m) COAL; dull; 10% bright WITH SOME DIRT BANDS 31.04 - 31.07m CARBONACEOUS MUDSTONE - DARK BROWN 31.07 - 35.12m SILTSTONE; INTERBEDDED SILTSTONE AND GREY MUDSTONE GREY MUDSTONE AT TOP OF UNIT FRIABLE SOME CARBONACEOUS MUDSTONE INTERBEDS
27	100	0							35.12 - 35.26m COAL ~ dull; fragment? (0.14m) Flaser; broken 35.26 - 36.09m MUDSTONE; gray-cream; weak; friable; jointed; bedded Faulted base 36.09 - 38.61m SANDSTONE; LITHIC; light grey
28	100	20							38.61 - 38.80m GREY MUDSTONE WITH SOME FINE SILTSTONE INTERBEDS 38.80 - 38.86m COAL; dull; brown 38.86 - 39.49m GREY MUDSTONE - FAULTED TOP CONTACT 39.49 - 39.95m SANDSTONE; SILTSTONE + GREY MUDSTONE AT TOP OF UNIT; LITHIC; GREY
29	100	10							
30	100	0							
31	100	0							
32	100	10							
33	100	0							
34	100	10							
35	100	10							
36	100	0							
37	100	90							
38	100	100							
39	100	85							
40	100	50							
REMARKS									

Survey Depth	Azimuth	Dip	Hole Co-ordinates
			Easting_
			Northing_
			Elevation (m)
			Azimuth_Mag
			Dip

PROJECT: OAKLANDS - JERICHO COAL
PROSPECT: EL 26/2008
DATE: 10 SEPTEMBER 2014
LOGGED BY: MURLOTT

HOLE DEPTH	CORE RECOVERY	R/D	SAMPLE NO	SULPHIDES	PICTORIAL LOG		GRAPHIC LOG	GEOLOGY NOTES	SUMMARY LOG		
					STRUCT	ALT					
				%							
				1	3	1	3	5			
PREFIX											
41	100	10									39.95 - 40.95m GREY MUDSTONE; CARBONACEOUS MUDSTONE AT BASE, FRIABLE AT BASE UNCONSOLIDATED BEDS
											40.95 - 41.01m COAL; broken, dull
											41.01 - 41.73m CARBONACEOUS MUDSTONE; GREY-BROWN FRIABLE, JOINTED
42	100	10									41.73 - 42.18m SILTSTONE WITH INCREASING MUDSTONE TO BASE OF UNIT
											42.18 - 42.72m SANDSTONE; LITHIC; LIGHT GREY
43	100	90									42.72 - 45.80m SILTSTONE; LIGHT GREY; GREY MUDSTONE INTERBEDDING AND SOME DEPOSITIONAL SUMPING FEATURES
44	100	0									
45	100	10									45.80 - 45.85m GREY MUDSTONE GRADING TO CARBONACEOUS MUDSTONE
											45.85 - 45.88m CARBONACEOUS MUDSTONE + DIET BAND
											45.88 - 45.91m (0.03m) COAL DULL
46	100	60									45.91 - 45.96m MUDSTONE; dark grey
											45.96 - 46.05m (0.09m) COAL; dull
											46.05 - 46.07m DIRT; LIGHT BROWN
47	100	0									46.07 - 46.20m COAL; 20% BRIGHT
											(0.13m)
											46.20 - 46.35 GREY MUDSTONE
											46.35 - 47.08m COAL; dull; 10% BRIGHT; minor pyrite
											(0.73m)
49	100	15									47.08 - 47.09m DIRT; LIGHT BROWN
											47.09 - 47.51m COAL; dull; friable, jointed
											(0.42m)
50	100	25									47.51 - 47.64m GREY MUDSTONE GRADING TO SILTSTONE
											47.64 - 47.71m COAL; dull; 20% BRIGHT
											(0.07m)
51	100	55									47.71 - 48.16m GREY MUDSTONE; FRETTING; WEAK
											48.16 - 48.26m CARBONACEOUS MUDSTONE; DARK BROWN
52	100	80									48.26 - 53.27m SILTSTONE; LITHIC; MINOR GREY MUDSTONE
53	100	40									53.27 - 53.41m GREY MUDSTONE; FRETTING; JOINTED
											53.41 - 53.59m SANDSTONE; CALCIFIED; COMPACT
											WHITE-GREY
54	100	30									53.59 - 53.86m CARBONACEOUS MUDSTONE; MINOR SILT BEDS
											53.86 - 54.21m SILTSTONE GRADING DOWN TO DIRT MUDSTONE
											54.21 - 54.27m CARBONACEOUS MUDSTONE
											54.27 - 54.28m DIRT BAND
55	100	10									54.28 - 54.42m COAL; dull; jointed; broken
											(0.14m)
56	100	60									54.42 - 54.49m MUDSTONE; dark grey
											54.49 - 54.54m COAL; dull; FRETTING
											54.54 - 54.64m CARBONACEOUS MUDSTONE AND SOME DARK GREY MUDSTONE
											(0.02m)
											54.64 - 54.66m COAL; dull
											54.66 - 54.67m DIRT BAND; GREY-BROWN PYRITE
58	100	70									54.67 - 54.80m COAL; dull; 20% BRIGHT
											(0.13m)
											54.80 - 54.82m DIRT; PYRITE; LIGHT BROWN
59	100	100									54.82 - 54.94m COAL; DULL; 20% BRIGHT
											(0.12m)
											54.94 - 57.49m GREY MUDSTONE, SOME SILTY INTERBEDS
60	100	100									57.49 - 59.26m SANDSTONE; FINE; LITHIC;
REMARKS											
TRACE CMS LAMINAE, X-BEDDING											
59.26 - 60.36m SILTSTONE; SOME GREY MUDSTONE											

Midland Energy

DRILL HOLE No 0132

SHEET 1 OF 4

Survey Depth	Azimuth	Dip	Hole Co-ordinates	GPS GDA 94
			Easting	0525 211 m E
			Northing	5313 972 m N
			Elevation (m)	398 m RL
			Azimuth_Mag	0
			Dip	-90

PROJECT:	OAKLANDS JERICO BOWHILL RD
PROSPECT:	EL 26/2008
DATE:	11 SEPTEMBER 2014
LOGGED BY:	MURCOTT

KMR TRUCK MOUNTED ROVING SCOUT

DRILLER: DALE ROBERTS

Pre-collar
to 3.4m
screen 5/8"

HOLE DEPTH	CORE RECOVERY	ROD	SAMPLE NO	SULPHIDES					PICTORIAL LOG		GRAPHIC LOG				GEOLOGY NOTES	SUMMARY LOG
				%	1	3	1	3	5	STRUCT	ALT	0.00	0.5	2		
1															0-3.4m Red-brown clay and sand regolith	
2																
3																
4	60	0												3.4-5.62m Yellow mudstone; increasingly sandy to base of unit	HQ3	
5	100	0													DIAMOND	
6	100	20							x b 76°					5.62-11.59m Sandstone; yellow, medium grained; iron stained.	DRILL	
7	100	20							x j 20°						CORE.	
8	100	80														
9	100	55							x v 12° 2mm Ca 19/11							
10	100	90														
11	100	55							x j 15° open							
12	100	55							x b 82° x b 86°					11.59-11.98m mudstone; yellow-grey		
13	100	15							x j 45° x b 82°					11.98-12.77m Carbonaceous mudstone with interbedded fine siltstone some grey mudstone. friable/fretting		
14	100	45							x b 85°					12.77-13.47m Sandstone; calcified; white compact; hard		
15	100	0							x f 30° weak x v 35°					13.47-14.99m mudstone; grey-brown; some interbedded siltstone; friable; weak; fretting; trace CMS		
16	100	10							x v 20° 2mm Ca 18/11					14.99-15.42m siltstone ~ calcified; grading to grey mudstone at unit base		
17	100	90												15.42-15.56m compact carbonaceous mudstone		
18	100	100												15.56-16.11m (0.55m) coal. brown-black, dull fine bright 15.56-15.70m dull heavy coal 15.70-15.72m ditto; light brown 15.72-15.85m ditto; 3% bright coal 15.85-16.11m coal; broken 10% bright		
19	100	45							x r 93° FAULT x f 30°					16.11-18.93m mudstone; light grey; calcified at top of unit (16.44-16.74 - calcified siltstone)		
20	100	15							x b 80°					18.93-19.65m mudstone grey in part; calcite veins (fault breccia) 19.65-19.84m mudstone; grey		
REMARKS																
CMS = CARBONACEOUS MUDSTONE																
b = breccia.																

Survey Depth	Azimuth	Dip	Hole Co-ordinates
			Easting
			Northing
			Elevation (m)
			Azimuth_Mag
			Dip

PROJECT: OAKLANDS JERICHO BOWHILL RD
PROSPECT: EL 26/2008
DATE: 11 SEPTEMBER 2014
LOGGED BY: MURLOTT

HOLE DEPTH	CORE RECOVERY	RCD	SAMPLE NO	PREFIX	SULPHIDES					PICTORIAL LOG		GRAPHIC LOG				GEOLOGY NOTES	SUMMARY LOG
					%	1	3	1	3	5	STRUCT	ALT	0.06	0.2	0.5		
21	100	40														19.90 - 20.02m (0.12m) COAL; dull; LOW GRADE.	
22	100	0														20.02 - 22.42m MUDSTONE; GREY; SOME SILT BANDS UNIT FRETTING AND FEASIBLE WITH INCREASING DEPTH.	
23	100	0														22.42 - 22.46m CARBONACEOUS MUDSTONE 22.46 - 22.50m (0.04m) COAL; dull 20% BRIGHT. 22.50 - 23.01m MUDSTONE; GREY; FRETTING; DISINTEGRATING 23.01 - 23.18m (0.17m) COAL; dull 2% BRIGHT 23.18 - 23.29m CARBONACEOUS SILTSTONE/MUDSTONE; DARK BROWN 23.29 - 24.70m MUDSTONE; GREY-BROWN; WEAK FRETTING	
24	100	10														24.70 - 29.46m SILTSTONE; CREAM; SOME MUDSTONE GREY + CARBONACEOUS; FINE LAMINAE AND FLASERS.	
25	100	10															
26	100	20															
27	100	80															
28	100	80															
29	100	90														29.46 - 29.59m (0.13m) COAL; dull 5% BRIGHT.	
30	100	30														29.59 - 30.02m MUDSTONE; GREY; ABUNDANT CALCITE VEINING BISECTING CORE	
31	100	65														30.02 - 35.01m MUDSTONE; GREY; SOME SILTSTONE WITH DEPTH UNIT BECOMES INTERBEDDED GREY MUDSTONE; CARBONACEOUS MUDSTONE AND SILTSTONE UNIT.	
32	100	100															
33	100	30															
34	100	60															
35	100	20														35.01 - 35.77m CARBONACEOUS MUDSTONE WITH SOME GREY MUDSTONE BEDDING AND FINE CREAM SILTSTONE BEDS.	
36	100	20														35.77 - 39.72m MUDSTONE; GREY; RARE INTERBEDS OF SANDSTONE UP TO 8CM IN WIDTH; SOME SILTSTONE LAMINAE BEDS; RARE CMS FINE BEDS.	
37	100	60															
38	100	20														39.72 - 40.00 (0.28m) COAL; dull; trace bright coal	
39	100	10														39.72 - 39.87m DULL COAL 39.87 - 39.88m DIRT; BROWN 39.88 - 39.94m DULL COAL 39.94 - 40.00m DULL; 70% BRIGHT COAL.	
40	100	10															
REMARKS		SLX = Slickensides CMS = CARBONACEOUS MUDSTONE.															

Survey Depth	Azimuth	Dip	Hole Co-ordinates
			Easting
			Northing
			Elevation (m)
			Azimuth_Mag
			Dip

PROJECT: <u>OAKLANDS JERICHO BOWHILL RD</u>
PROSPECT: <u>EL 26/2008</u>
DATE: <u>12TH SEPTEMBER 2014</u>
LOGGED BY: <u>MURCOTT</u>

HOLE DEPTH	CORE RECOVERY	ROD	SAMPLE NO	SULPHIDES					PICTORIAL LOG		GRAPHIC LOG	GEOLOGY NOTES	SUMMARY LOG
				%	1	3	1	3	5	STRUCT			
41	100	10									40.00 - 40.30m MUDSTONE; GREY 40.30 - 40.38m 40.30-40.33m GREY MUDSTONE + COAL 40.38 - 41.24m (0.86m) COAL; DULL BROWN BRIGHT		
42	100	50									40.33 - 40.89m COAL; dull; 20% BRIGHT 40.89 - 40.90m DST; dark brown 41.00 - 41.01m DST; LIGHT BROWN 41.01 - 41.13m COAL; dull; 20% BRIGHT 41.24 - 41.27m CARBONACEOUS MUDSTONE 41.27 - 41.41m MUDSTONE GREY; CMS AT BASE 41.41 - 41.43m (0.02m) COAL; BRIGHT BAND 41.43 - 41.46m CARBONACEOUS MUDSTONE 41.46 - 46.60m MUDSTONE; GREY; GRADING TO SILTSTONE INTERBEDDED WITH MUDSTONE		
43	100	50											
44	100	60											
45	100	60											
46	100	60											
47	100	80											
48	100	45											
49	100	70											
50	100	50											
51	100	95											
52	100	60											
53	100	100											
54	100	20											
55	100	55											
56	100	55											
57	100	65											
58	100	65											
59	100	35											
60	100	60											
REMARKS													

Survey Depth	Azimuth	Dip	Hole Co-ordinates	GDA 94 GPS
			Easting	0525 322 m E
			Northing	5314 455 m N
			Elevation (m)	401 m RL
			Azimuth_Mag	0
			Dip	-90

SHEET 1 OF 4

PROJECT:	EL 26/2008
PROSPECT:	OAKLANDS - JERICHO BOOTHILL ROAD
DATE:	19TH SEPTEMBER 2014
LOGGED BY:	MURCOTT

KMR TRUCK MOUNTED ROVING SCOUT

DRILLER: DALE ROBERTS

HOLE DEPTH	CORE RECOVERY	ROD	SAMPLE NO	SULPHIDES					PICTORIAL LOG		GRAPHIC LOG					GEOLOGY NOTES	SUMMARY LOG
				%	1	3	1	3	5	STRUCT	ALT	0.00	0.5	1	2		
1															0-3.5m REGOLITH; RED-BROWN SANDS AND CLAYS SOME SANDSTONE FRAGMENTS WITH IRON-STAINED SURFACES	5 1/2 inch COLLAR	
4	50	0								Rubble					3.5-4.13m SANDSTONE; IRON STAINED FRAGMENTS	HQ3 DIAMOND DRILL	
5	100	10								iron staining					4.13-7.03m MUDSTONE GREY; IRON STAINED IN PART FRACTURED AND JOINTED		
6	100	10								iron staining							
7	100	0								Rubble CLAY							
8	100	10								iron staining					7.03-12.30m SILTSTONE GREY; INTERBEDDED SILTSTONE AND GREY MUDSTONE; SOME CARBONACEOUS MUDSTONE		
9	100	20													JONITED SOME STEEP ANGLE BEDDING WITH ALTERED APPEARANCE		
10	100	20								iron staining							
11	100	20								iron staining							
12	100	35													12.30-12.63m CARBONACEOUS MUDSTONE DARK BROWN-GREY		
13	100	10													12.63-12.78m CARBONACEOUS MUD CLAYS DARK BROWN GREY 12.78-12.85m CARBONACEOUS MUDSTONE CLAYS DARK GREY 12.85-13.03m COALY CLAYS; DULL DARK BROWN TO BLACK		
14	100	50													13.03-13.15m GREY MUDSTONE; MID TO DARK GREY 13.15-14.33m GREY MUDSTONE INTERBEDDED WITH SANDSTONE BANDS UP TO 5mm IN WIDTH		
15	100	80													14.33-23.12m SANDSTONE CREAM TO LIGHT TO DARK GREY		
16	100	75													SILTSTONE AT TOP OF UNIT GRADING DOWN INTO A MEDIUM TO COARSE GRAINED SANDSTONE WITH RARE TO SOME INTERBEDS OF MUDSTONE		
17	100	70															
18	100	75													RARE CARBONACEOUS MUDSTONE LAMINAE		
19	100	90															
20	100	90															
REMARKS																	

Survey Depth	Azimuth	Dip	Hole Co-ordinates
			Easting
			Northing
			Elevation (m)
			Azimuth_Mag
			Dip

PROJECT: <u>FL 26/2008</u>
PROSPECT: <u>OAKLANDS/JERICHO Bow Hill Rd.</u>
DATE: <u>19 SEPTEMBER 2014</u>
LOGGED BY: <u>MURCOTT</u>

HOLE DEPTH	CORE RECOVERY	ROD	SAMPLE NO	SULPHIDES	PICTORIAL LOG		GRAPHIC LOG	GEOLOGY NOTES	SUMMARY LOG
					STRUCT	ALT			
				%			mm		
			PREFIX	. 3 1 3 5			0.06 0.2 0.4 0.8 1.6 3.2		
21	100	90							
22	100	100				x172°			
23	100	95							
24	100	85				x150°		23.12 - 23.81m GREY MUDSTONE WITH 5cm BAND CARBONACEOUS MUDSTONE AT TOP OF UNIT SOME SILTSTONE INTERBEDS	
25	100	85				x182°		23.81 - 24.04m MUDSTONE, CALCIFIED, CONTACT WHITE 24.04 - 25.58m INTERBEDDED GREY MUDSTONE AND SILTSTONE FINE LAMINAE	
26	100	10				x145° x156° x182° x110° x188° x115°		25.58 - 26.47m CARBONACEOUS MUDSTONE; TRACE COAL SOME INTERBEDS OF SILTSTONE LAMINAE	
27	100	20				x120° x140° x120°		26.47 - 29.15m GREY MUDSTONE WITH SOME INTERBEDDED SILTSTONE INCREASING TO BASE OF UNIT	
28	100	85				x180° x185°			
29	100	70						29.15 - 29.25m SANDSTONE, CONTACT CALCIFIED 29.25 - 29.99m GREY SILTSTONE WITH GREY MUDSTONE FINE INTERBEDS	
30	100	55				0130° x180° x165° x15°		29.99 - 30.42m CARBONACEOUS MUDSTONE WITH SILTSTONE INTERBEDS 30.42 - 30.60m GREY SILTSTONE; VERY FINE GRAINED 30.60 - 30.88m (0.28m) COAL - SEE REMARKS -	
31	100	35				0150° x180°		30.88 - 31.25m GREY MUDSTONE & BUBBLE COAL LOSS 31.25 - 32.03 (0.78m) COAL - SEE REMARKS - 32.03 - 32.17m CARBONACEOUS MUDSTONE GRADING TO GREY MUDSTONE	
32	90	30						32.17 - 32.21m (0.04m) COAL DULL; 50% BRIGHT; ABUNDANT ZEOLITE 32.21 - 32.72m GREY MUDSTONE; FINE	
33	100	50				x182°		32.72 - 37.05m GREY SILTSTONE WITH GREY MUDSTONE FINE INTERBEDS SOME SEDIMENTARY SLUMPING X-BEDDING FEATURES SOME SANDSTONE BANDS	
34	100	25				FX30 SLK FX15° SLK 2m FX15° 3m x178°			
35	100	70							
36	100	85							
37	100	25						37.05 - 38.77m SANDSTONE WITH CARBONACEOUS INTERBEDS AND A DIRTY CARBONACEOUS MATRIX	
38	100	85				x183° x145°			
39	100	85				0150°		38.77 - 39.53m CARBONACEOUS MUDSTONE; TRACE COAL SOME SILTSTONE AND GREY MUDSTONE HORNSHEDS ALTERED	
40	100	10						39.53 - 45.32m DOLOERITE; FRACTURED	
REMARKS									
SLK = slickenside CMS = CARBONACEOUS MUDSTONE 31.25 - 32.03m =>									
30.60 - 30.88m => 30.60 - 30.72m COAL DULL 5% BRIGHT 31.21 - 31.25m CMS + cm; mud's									
30.72 - 30.73m DIRT BAND BROWN 31.25 - 31.42m COAL DULL 5% BRIGHT									
30.73 - 30.79m COAL DULL 10% BRIGHT 31.42 - 31.67m COAL DULL 30% BRIGHT									
30.79 - 30.83m COAL BRIGHT X-LINE BAND 31.67 - 31.85m COAL DULL 5% BRIGHT; ZEOLITE									
30.83 - 30.88m COAL BRIGHT ABUNDANT ZEOLITE VEMULETS 31.85 - 32.03m COAL DULL 20% BRIGHT									

Survey Depth	Azimuth	Dip	Hole Co-ordinates
			Easting_
			Northing_
			Elevation (m)
			Azimuth_Mag
			Dip

PROJECT: - EL 26 / 2008
PROSPECT: OAKLANDS/JERICO Bowhill Rd
DATE: 19 SEPTEMBER 2014
LOGGED BY: MURCOTT

HOLE DEPTH	CORE RECOVERY	ROD	SAMPLE NO	SULPHIDES					PICTORIAL LOG		GRAPHIC LOG				GEOLOGY NOTES	SUMMARY LOG
				%	1	3	1	3	5	STRUCT	ALT	0.06	0.05	0.2		
41	100	90								veinlets ca 2mm at 45° at 45°						
42	100	60								veinlets						
43	100	90								veinlets						
44	100	40								SERICITE						
45	100	10								xj 50°						
46	100	15								at 86° at 30° at 40°						45.22 - 48.19m BLEACHED SEDIMENTS
47	100	85								at 75°						SILTSTONE WITH GREY MUDSTONE AND BRITTLE MUDSTONE HORNFELS ALTERED
48	100	90														
49	100	80								at 15° ca 2mm						48.19 - 52.18m Dolerite HORNFELS FRACTURED ABUNDANT VEINLETS
50	100	95														
51	100	90														
52	100	75								at 30° at 45°						
53	100	50														52.18 - 60.50m BLEACHED SEDIMENTS HORNFELS ALTERED
54	100	80								xj 20°						SILTSTONES AND MUDSTONES 54.00 - 54.45m DISINTEGRATING SEDIMENTS
55	80	45														CORE LOSS 54.45 - 54.65m
56	100	60								xj 45° at 20° 7mm 19mm						54.95 - 60.50m INTERBEDDED SILTSTONE AND MUDSTONE
57	100	95								xj 35° at 80°						
58	100	100								xj 40° at 82°						
59	100	100														58.60 - 59.65m CARBONACEOUS MUDSTONE
60	100	75								at 84° xj 55°						
REMARKS																

Midland Energy

DRILL HOLE No OJ 34

Survey Depth	Azimuth	Dip	Hole Co-ordinates	
			Easting	0524 843m E
			Northing	5315 900m N
			Elevation (m)	405m RL
			Azimuth_Mag	
			Dip	

SHEET 1 OF 3

PROJECT:	OAKLANDS JERICHO Bowhill Rd
PROSPECT:	EA26/2008
DATE:	15 SEPTEMBER 2014
LOGGED BY:	MURCOTT

KMR TRUCK MOUNTED PERCUSSION HYDRAPOWER EXPLORER 500 DRILLER: DARREN RICHARDSON

HOLE DEPTH	CORE RECOVERY	ROD	SAMPLE NO	SULPHIDES					PICTORIAL LOG		GRAPHIC LOG	GEOLOGY NOTES	SUMMARY LOG
				%	1	3	1	3	5	STRUCT			
1												0-2m REGOLITH. YELLOW-BROWN CLAYS AND SANDS	
2												2-4m MUDSTONE GREY; SILTY AT BASE	
3													
4													
5												4-5m MUDSTONE; "STICKY" GREY; SERICITE ALTERATION?	
6												5-6m SANDSTONE GREY; SOME SILTSTONE	
7												6-7m MUDSTONE; GREY-DARK GREY 50% GREY MUDSTONE; 50% CMS	
8												7-8m COAL 60% CMS, 20%; GREY MUDSTONE 20%	
9												8-9m CARBONACEOUS MUDSTONE 50% COAL 10%; GREY MUDSTONE 40%	
10												9-12m MUDSTONE, GREY TRACE CMS.	
11													
12												- WATER TABLE -	
13												12-13m CARBONACEOUS MUDSTONE SOME GREY MUDSTONE	
14												13-14m MUDSTONE, GREY TRACE CARBONACEOUS MUDSTONE	
15												14-15m MUDSTONE, GREY 30% CARBONACEOUS MUDSTONE	
16												15-16m CARBONACEOUS MUDSTONE 80% COAL 20%	
17												16-17m MUDSTONE, GREY 70% CARBONACEOUS MUDSTONE 30%	
18												17-18m MUDSTONE GREY 60% CARBONACEOUS MUDSTONE 35% COAL 5%	
19												18-19m MUDSTONE GREY	
20												19-20m MUDSTONE GREY + CMS	
REMARKS													
CMS - CARBONACEOUS MUDSTONE													
COAL - DULL													

HAMMER
5 1/2 INCH

Midland Energy

DRILL HOLE No OJ 34

SHEET 2 OF 3

Survey Depth	Azimuth	Dip	Hole Co-ordinates
			Easting_
			Northing_
			Elevation (m)
			Azimuth_Mag
			Dip

PROJECT: <u>OAKLANDS - JERICHO Bowhill Rd</u>
PROSPECT: <u>EL26/2008</u>
DATE: <u>MONDAY 15 SEPTEMBER 2014</u>
LOGGED BY: <u>MURCOTT</u>

HOLE DEPTH	CORE RECOVERY	ROD	SAMPLE NO	SULPHIDES					PICTORIAL LOG		GRAPHIC LOG	GEOLOGY NOTES	SUMMARY LOG
				%	1	3	1	3	5	STRUCT			
21												20-22m MUDSTONE GREY + CMS 5% COAL	
22													
23												22-23m CARBONACEOUS MUDSTONE 70% COAL 30% ; TRACE GREY MUDSTONE	
24												23-26m SILTSTONE GREY RARE GREY MUDSTONE + CMS	
25													
26													
27												26-27m CARBONACEOUS MUDSTONE SAME GREY MUDSTONE 10% COAL	
28												27-28m CARBONACEOUS MUDSTONE 80% COAL 20% HAIR GREY MUDSTONE	
29												28-30m MUDSTONE, LIGHTER GREY TRACE SILTSTONE	
30												TRACE CMS	
31												30-31m CARBONACEOUS MUDSTONE AND GREY MUDSTONE 5% COAL	
32												31-32m MUDSTONE GREY; TRACE CMS	
33												32-33m MUDSTONE GREY	
34													
35													
36													
37													
38													
39												38-40m SILTSTONE, GREY	
40													
REMARKS													

Midland Energy

DRILL HOLE No 0J 34

SHEET 3 OF 3

Survey Depth	Azimuth	Dip	Hole Co-ordinates
			Easting_
			Northing_
			Elevation (m)
			Azimuth_Mag
			Dip

PROJECT: OAKLANDS-JERICHO Bowhill Rd.
 PROSPECT: EL26/2008
 DATE: 15 SEPTEMBER 2014
 LOGGED BY: MURCOTT

HOLE DEPTH	CORE RECOVERY	ROD	SAMPLE NO	SULPHIDES					PICTORIAL LOG		GRAPHIC LOG	GEOLOGY NOTES	SUMMARY LOG
				%	1	3	1	3	5	STRUCT			
41												40-41m SILTSTONE + GREY MUDSTONE 5% COAL	
42												41-44m MUDSTONE GREY	
43													
44													
45									sericite pyrite			44-45m MUDSTONE GREY TRACES SERICITE AND PYRITE (JEN)	
46												45-47m SANDSTONE; GREY-WHITE	
47													
48												47-48m SANDSTONE AND SOME GREY MUDSTONE	
49												48-49m GREY MUDSTONE + CMS 5% COAL (FLASER?)	
50												49-52m MUDSTONE GREY AND SILTSTONE	
51													
52													
53												52-54m SANDSTONE AND SOME GREY MUDSTONE; TRACE CMS	
54													
55												54-55m SANDSTONE GREY TRACE CARBONACEOUS MUDSTONE	
56												55-56m SANDSTONE; LIGHT GREY MEDIUM GRAINS LITHIC	
57												56-57m SANDSTONE; GREY TRACES CMS + GREY MUDSTONE	
58												57-60m SANDSTONE; LIGHT GREY "SALT + PEPPER" TEXTURE	
59													
60													
REMARKS													
END OF PERCUSSION HAMMER HOLE AT 60M.													

Survey Depth	Azimuth	Dip	Hole Co-ordinates
			Easting <u>0524 788m E</u>
			Northing <u>5316 477m N</u>
			Elevation (m) <u>480m RL</u>
			Azimuth_Mag <u>0</u>
			Dip <u>-90</u>

PROJECT: <u>OKLANDS-JERICHO BOWHILL ROAD</u>
PROSPECT: <u>EL 26/2008</u>
DATE: <u>TUESDAY 16TH SEPTEMBER 2014</u>
LOGGED BY: <u>MURCOTT</u>

HOLE DEPTH	CORE RECOVERY	ROD	SAMPLE NO	SULPHIDES					PICTORIAL LOG		GRAPHIC LOG					GEOLOGY NOTES	SUMMARY LOG
				%	STRUCT	ALT	0.05	0.1	0.2	0.5	1	2	5				
1															0-2m REGOLITH YELLOW-WHITE SANDSTONE FRAGMENTS- IRON STAINED IN A SANDY MATRIX MINOR CLAYS		
2																	
3															2-5m SANDSTONE TRACE CLAYS YELLOW/GREY MEDIUM GRAIN SIZE		
4																	
5																	
6															5-7m CARBONACEOUS MUDSTONE/SILTSTONE DARK GREY		
7																	
8															7-8m COAL 40% dull dark grey 40% CARBONACEOUS MUDSTONE; 20% GREY MUDSTONE		
9															8-9m GREY MUDSTONE FINE SOME CARBONACEOUS MUDSTONE		
10															9-11m SILTSTONE 65% GREY GREY MUDSTONE 35%		
11																	
12															11-12m CARBONACEOUS MUDSTONE 50% GREY MUDSTONE 40% COAL DULL 10%		
13															12-13m GREY MUDSTONE 70% SILTSTONE GREY 30%		
14															13-14m GREY MUDSTONE 60% SILTSTONE 40% LIGHT GREY		
15															14-15m TRACE COAL CARBONACEOUS MUDSTONE + GREY MUDSTONE		
16															15-16m CARBONACEOUS MUDSTONE 95% COAL 5% DULL		
17															16-17m GREY MUDSTONE TRACE CARBONACEOUS MUDSTONE		
18															17-19m GREY MUDSTONE TRACE COAL RARE CARBONACEOUS MUDSTONE		
19																	
20															19-20m SILTSTONE-SANDSTONE 80% GREY BROWN-GREY MUDSTONE 20%		
REMARKS																	

Survey Depth	Azimuth	Dip	Hole Co-ordinates	
			Easting_	
			Northing_	
			Elevation (m)	
			Azimuth_Mag	
			Dip	

PROJECT: <u>OAKLANDS-JERICHO BOWHILL ROAD</u>
PROSPECT: <u>EL 26/2008</u>
DATE: <u>16 SEPTEMBER 2014</u>
LOGGED BY: <u>MURCOTT</u>

HOLE DEPTH	CORE RECOVERY	RQD	SAMPLE NO	PREFIX	SULPHIDES					PICTORIAL LOG		GRAPHIC LOG					GEOLOGY NOTES	SUMMARY LOG
					%	1	3	1	3	5	STRUCT	ALT	0.00	0.5	1	2		
21																	20-21m SANDSTONE, LIGHT GREY TRACE SILTSTONE	
22																	21-22m SANDSTONE, LIGHT GREY COAL 5% - FIBERS IN SS? -	
23																	22-23m SILTSTONE 70% GREY MUDSTONE 25% GREY COAL 5% DULL	
24																	23-24m SILTSTONE - GREY WITH SOME CARBONACEOUS MUDSTONE	
25																	24-26m SILTSTONE + GREY MUDSTONE GREY-BROWN	
26																		
27																	26-27m SILTSTONE - SANDSTONE WITH RARE COALY CLAYS + MINOR GREY MUDSTONE	
28																	27-28m SILTSTONE AND GREY MUDSTONE 5% COALY CLAYS	
29																	28-32m SILTSTONE - LIGHT GREY MEDIUM GRAINS	
30																		
31																		
32																		
33																	32-33m SILTSTONE 60% GREY MUDSTONE 40%	
34																	33-34m SILTSTONE 50% GREY MUDSTONE 40% COAL 10% DULL	
35																	34-35m GREY MUDSTONE 40% CARBONACEOUS MUDSTONE 30% SILTSTONE 30%	
36																	35-39m SILTSTONE + GREY MEDIUM TO FINE GRAIN	
37																		
38																		
39																		
40																	39-40m GREY MUDSTONE + SILTSTONE TRACE CARBONACEOUS MUDSTONE	
REMARKS																		

Survey Depth	Azimuth	Dip	Hole Co-ordinates	
			Easting	
			Northing	
			Elevation (m)	
			Azimuth_Mag	
			Dip	

PROJECT: OAKLANDS-JERICHO BOWHILL ROAD
PROSPECT: EL 26 2008
DATE: 16 SEPTEMBER 2014
LOGGED BY: MURCOTT

HOLE DEPTH	CORE RECOVERY	ROD	SAMPLE NO	SULPHIDES					PICTORIAL LOG		GRAPHIC LOG	GEOLOGY NOTES	SUMMARY LOG	
				%	STRUCT	ALT	mm	mm						
PREFIX	.1	.3	1	3	5			0.05	0.5	2	8	32	64	
41														40-41m CARBONACEOUS MUDSTONE 50% GREY MUDSTONE 30% SILTSTONE 20%
42														41-42m SILTSTONE AND GREY MUDSTONE TRACE CARBONACEOUS MUDSTONE
43														42-43m COAL 60% DULL CARBONACEOUS MUDSTONE 40%
44														43-44m SILTSTONE 60% LIGHT GREY GREY MUDSTONE 40%
45														44-45m SILTSTONE 80% GREY MUDSTONE 20%
46														45-46m GREY MUDSTONE 60% CARBONACEOUS MUDSTONE 30% COAL 10% DULL
47														46-47m GREY MUDSTONE AND SILTSTONE
48														47-48m SILTSTONE 40% BROWN-GREY GREY MUDSTONE 40% CARBONACEOUS MUDSTONE 20%
49														48-49m GREY MUDSTONE 90% SILTSTONE 10%
50														49-51m SILTSTONE, TRACE GREY MUDSTONE
51														
52														51-52m SILTSTONE GREEN-BROWN DIRTY CLAY MATRIX
53														52-53m CARBONACEOUS MUDSTONE AND SILTSTONE DIRTY MATRIX
54														53-54m SILTSTONE GREY MUDSTONE 10% TRACE LENS
55														54-55m SILTSTONE DIRTY 10% GREY MUDSTONE
56														55-57m GREY MUDSTONE
57														
58														57-60m GREY MUDSTONE GREEN-GREEN SERICITISED
59														
60														
REMARKS														