



# FIELD LOG OF BORING

## B- Well #1

PROJECT: R D Keene Park      CLIENT:      W.O. NUMBER:      DATE STARTED:

DRILLED BY: Diversified      RIG:      ELEVATION (DATUM):      TOTAL DEPTH:      DATE FINISHED:

SURFACE CONDITIONS:      WATER DEPTH:      DATE:      TIME:

SAMPLE TYPE	SAMPLE NUMBER	SET	2 <sup>nd</sup> 6	3 <sup>rd</sup> 6	N VALUE	SAMPLE RECOV.	DEPTH (FT.)	LOG	CLASSIFICATION OF MATERIAL	REMARKS
							1		Coarse grain sand-grey tan; significant organic material	All samples recovered from mud rotary
						2				
						3				
						0.5			Dark brown, coarse to fine sands; organic material	
						6				
						7				
						10			Medium brown coarse to fine grain sand with some silt	
						1				
						2				
						1.5			Light to medium brown fine grain sand with silt; small amount of coarse material in sample	
						6				
						7				
						20			Light brown fine grain silty sand; trace of clay	
						1				
						2				
						2.5			Light brown fine grain silty sand; trace of clay	
						6				
						7				
						3.0				
						1				
						2				



# FIELD LOG OF BORING

## B- Well #1

PROJECT: R.D. Keene Park CLIENT: \_\_\_\_\_ W.O. NUMBER: \_\_\_\_\_ DATE STARTED: \_\_\_\_\_

DRILLED BY: Diversified RIG: \_\_\_\_\_ ELEVATION (DATUM): \_\_\_\_\_ TOTAL DEPTH: \_\_\_\_\_ DATE FINISHED: \_\_\_\_\_

SURFACE CONDITIONS: \_\_\_\_\_ WATER DEPTH: \_\_\_\_\_ DATE: \_\_\_\_\_

TIME: \_\_\_\_\_

SAMPLE TYPE	SAMPLE NUMBER	SET	2 <sup>nd</sup> 6	3 <sup>rd</sup> 6	N VALUE	SAMPLE RECOV.	DEPTH (FT.)	LOG	CLASSIFICATION OF MATERIAL	REMARKS
							1		Light brown fine grain silty sand; trace of clay	All samples recovered from mud rotary
						2				
						3				
							3.5		Medium to light brown fine grain silty sand; trace of clay	
						6				
						7				
							4.0		Grey silty fine grain sand; trace of clay	
						1				
						2				
							4.5		Grey silty fine grain sand; trace of clay	
						6				
						7				
							5.0		Grey fine grain sand with clay	
						1				
						2				
							5.5		Grey fine grain sand with clay	
						6				
						7				
							6.0			
							1			
							2			



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DRILLED BY: Diversified RIG: ELEVATION (DATUM) TOTAL DEPTH: DATE FINISHED:

SURFACE CONDITIONS: WATER DEPTH: DATE: TIME:

SAMPLE TYPE	SAMPLE NUMBER	SET	2 <sup>nd</sup> 6	3 <sup>rd</sup> 6	N VALUE	SAMPLE RECOV.	DEPTH (FT.)	LOG	CLASSIFICATION OF MATERIAL	REMARKS
							1		Well indurated grey siltstone - small pieces; grey sandy clay	All samples recovered from mud rotary
						2				
						3				
						4				
						6.5			Well indurated grey siltstone - small pieces; matrix not recovered in sample	
						6				
						7				
						8				
						7.0			Well indurated grey siltstone w/ poorly sorted quartz; little or no fines; broken sharks tooth	
						1				
						2				
						3				
						7.5			Well indurated grey siltstone w/ poorly sorted quartz; little or no fines	
						6				
						7				
						8				
						8.0			Well indurated grey siltstone w/ poorly sorted quartz; shell; little or no fines	
						1				
						2				
						3				
						8.5			Grey sandy clay w/ well indurated siltstone & quartz	
						6				
						7				
						8				
						9.0				
						2.0				
						1				
						2				



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SURFACE CONDITIONS: WATER DEPTH: DATE: TIME:

SAMPLE TYPE	SAMPLE NUMBER	SET	2 <sup>nd</sup>	3 <sup>rd</sup>	N VALUE	SAMPLE RECOV.	DEPTH (FT.)	LOG	CLASSIFICATION OF MATERIAL	REMARKS
							1		Broken quartz, lime mudstone, grey siltstone - possible	All samples recovered from mud rotary
						2				
						3		broken fossils → very little sample recovered		
						4				
						9.5				
						6		Broken quartz, lime mudstone, grey siltstone		
						7				
						8				
						9				
						10.0				
						1		Lime mudstone, grey siltstone		
						2				
						3				
						4				
						10.5				
						6				
						7				
						8				
						9				
						10				
						1		VOID - No samples		
						2		Recovered		
						3				
						4				
						5				
						6				
						7				
						8				
						9				
						10				
						1				
						2				



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## B- Well #1

PROJECT: R. D Keene Park	CLIENT:	W.O. NUMBER:	DATE STARTED:
DRILLED BY: Diversified	RIG:	ELEVATION (DATUM):	TOTAL DEPTH:
SURFACE CONDITIONS:			WATER DEPTH:
			DATE:
			TIME:

SAMPLE TYPE	SAMPLE NUMBER	SET 6	2 <sup>nd</sup> 6	3 <sup>rd</sup> 6	N VALUE	SAMPLE RECOV.	DEPTH (FT.)	LOG	CLASSIFICATION OF MATERIAL	REMARKS
							1		Grey to tan packstone w/ Dark grey well-indurated siltstone	All samples recovered from mud rotary
							2			
							3			
							4			
							125			
							6		Tan lime packstone with a significant amount of broken shell (only small fragments recovered)	
							7			
							8			
							9			
							130			
							1		Tan lime packstone with broken shell and dark grey siltstone (only small fragments recovered)	
							2			
							3			
							4			
							135			
							6		Tan lime wackstone with small amount of dark grey siltstone	
							7			
							8			
							9			
							140			
							1		Lt. tan packstone w/ grey to dark grey siltstone	
							2			
							3			
							4			
							145			
							6		Grey to tan lime packstone with shell and dark grey siltstone	
							7			
							8			
							9			
							150			
							1			
							2			



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## B- Well # 1

PROJECT: R D. Keene Park CLIENT: W.O. NUMBER: DATE STARTED:

DRILLED BY: Diversified RIG: ELEVATION (DATUM) TOTAL DEPTH: DATE FINISHED:

SURFACE CONDITIONS: WATER DEPTH: DATE: TIME:

SAMPLE TYPE	SAMPLE NUMBER	SET 6	2 <sup>nd</sup> 6	3 <sup>rd</sup> 6	N VALUE	SAMPLE RECOV.	DEPTH (FT.)	LOG	CLASSIFICATION OF MATERIAL	REMARKS
							1		Lt. tan lime wackstone with shell and grey siltstone	All samples recovered from mud rotary.
						2				
						3				
						4				
							15.5			
							6		Lt. grey lime mudstone w/ small amount of grey siltstone	
							7			
							8			
							9			
							16.0			
							1		Lt. grey lime mudstone w/ small amount of grey siltstone	
							2			
							3			
							4			
							16.5			
							6		Lt grey to tan lime wackstone w/ small amount of grey siltstone	
							7			
							8			
							9			
							17.0			
							1		Lt grey to tan mudstone w/ fossils and grey siltstone	
							2			
							3			
							4			
							17.5			
							6		Lt grey to tan lime mudstone w/ significant amount of fossil material (very small pieces recovered)	
							7			
							8			
							9			
							18.0			
							1			✓
							2			



# FIELD LOG OF BORING

B- Well #1

PROJECT: R.D Keene Park CLIENT: W.O. NUMBER: DATE STARTED:

DRILLED BY: Diversified RIG: ELEVATION (DATUM) TOTAL DEPTH: DATE FINISHED:

SURFACE CONDITIONS: WATER DEPTH: DATE: TIME:

SAMPLE TYPE SAMPLE NUMBER SET 6 2nd 6 3rd 6 N VALUE SAMPLE RECOV. DEPTH (FT.) LOG CLASSIFICATION OF MATERIAL REMARKS

SAMPLE TYPE	SAMPLE NUMBER	SET 6	2nd 6	3rd 6	N VALUE	SAMPLE RECOV.	DEPTH (FT.)	LOG	CLASSIFICATION OF MATERIAL	REMARKS
							1		Grey to lt. tan wackestone with siltstone & fossils (small pieces recovered)	All samples recovered from mud rotary
						2				
						3				
							18.5			
							6		Lt. tan mudstone, few small fragments of siltstone recovered	
						7				
						8				
							19.0			
							1		Lt. tan lime wackestone, few small fragments of siltstone & fossils (small pieces recovered)	
						2				
						3				
							19.5			
							6		Lt. tan packstone with broken shell & fragments of siltstone (small pieces recovered)	
						7				
						8				
							20.0			
							1			
							2			
							3			
							4			
							5			
							6			
							7			
							8			
							9			
							0			
							1			
							2			



# FIELD LOG OF BORING

## B-Well #1

PROJECT: R D Keene Park CLIENT: W.O. NUMBER: DATE STARTED: 4-1-03

DRILLED BY: Diversified RIG: ELEVATION (DATUM): TOTAL DEPTH: DATE FINISHED:

SURFACE CONDITIONS: WATER DEPTH: DATE: TIME:

SAMPLE TYPE	SAMPLE NUMBER	SET 6	2nd 6	3rd 6	N VALUE	SAMPLE RECOV.	DEPTH (FT.)	LOG	CLASSIFICATION OF MATERIAL	REMARKS
							1		Lt Brown Lime Packstone, Significant skeletal matter (pieces too small to identify); significant voids visible in many pieces	Sample pieces are very small
							2			
							3			
							4			
							20.5		Lt. Brown Lime Packstone, Many pieces with significant void spaces	
							6			
							7			
							8			
							9			
							21.0		Brown to Lt. Brown Lime Wackestone. Numerous pieces of what appear to be broken echinoid fossils	Sample pieces are very small
							1			
							2			
							3			
							4			
							21.5		Lt. Brown Lime Wackestone Broken echinoid fossils (?)	Sample pieces are very small
							6			
							7			
							8			
							9			
							22.0		Tan Lime Mudstone/Wackestone Broken echinoid fossils (?)	Sample pieces are very small
							1			
							2			
							3			
							4			
							23.5		Brown to dark brown dolostone wackestone - numerous solution voids - permeable layer Phosphate shards (?)	
							6			
							7			
							8			
							9			
							24.0			
							1			
							2			





# FIELD LOG OF BORING

## B- Well #1

PROJECT: R.D. Keene Park CLIENT: W.O. NUMBER: DATE STARTED: 4-1-03

DRILLED BY: Diversified RIG: ELEVATION (DATUM): TOTAL DEPTH: DATE FINISHED:

SURFACE CONDITIONS: WATER DEPTH: DATE: TIME:

SAMPLE TYPE	SAMPLE NUMBER	SET 6	2 <sup>nd</sup> 6	3 <sup>rd</sup> 6	N VALUE	SAMPLE RECOV.	DEPTH (FT.)	LOG	CLASSIFICATION OF MATERIAL	REMARKS
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							1		Dark brown dolostone wackestone, Phosphate shards (?)	dolostone = angular pieces
--	--	--	--	--	--	--	---	--	---	----------------------------

							2			
--	--	--	--	--	--	--	---	--	--	--

							24.5		Lt. Brown lime packstone.	Sample pieces are very small.
--	--	--	--	--	--	--	------	--	---------------------------	-------------------------------

							6			
--	--	--	--	--	--	--	---	--	--	--

							25.0		Lt Brown lime packstone, Broken echinoid fossils	Sample pieces are very small
--	--	--	--	--	--	--	------	--	--	------------------------------

							1			
--	--	--	--	--	--	--	---	--	--	--

							25.5		Lt. Brown to Brown lime wackestone, Phosphate shards (?)	Sample pieces are very small
--	--	--	--	--	--	--	------	--	--	------------------------------

							6			
--	--	--	--	--	--	--	---	--	--	--

							26.0		Brown lime packstone, voids visible	Sample pieces are very small
--	--	--	--	--	--	--	------	--	-------------------------------------	------------------------------

							1			
--	--	--	--	--	--	--	---	--	--	--

							26.5		Brown lime packstone, broken skeletal matter visible, higher permeability layer	Sample pieces are very small
--	--	--	--	--	--	--	------	--	---	------------------------------

							6			
--	--	--	--	--	--	--	---	--	--	--

							7			
--	--	--	--	--	--	--	---	--	--	--

							27.0			
--	--	--	--	--	--	--	------	--	--	--

							1			
--	--	--	--	--	--	--	---	--	--	--



# FIELD LOG OF BORING

B- Well #1

PROJECT: RD Keene Park CLIENT: W.O. NUMBER: DATE STARTED: 4-1-03

DRILLED BY: Diversified RIG: ELEVATION (DATUM): TOTAL DEPTH: DATE FINISHED:

SURFACE CONDITIONS: WATER DEPTH: DATE: TIME:

SAMPLE TYPE	SAMPLE NUMBER	SET	2 <sup>nd</sup>	3 <sup>rd</sup>	N VALUE	SAMPLE RECOV.	DEPTH (FT.)	LOG	CLASSIFICATION OF MATERIAL	REMARKS
							1		Recovered sample appears to consist of primarily broken fossils; little to no mud present; sample effervesces w/ 10% HCl	Extremely small sample pieces!
							2			
							3			
							4			
							27.5			
							6		Brown lime grainstone; Broken fossils visible - too small to identify	Extremely small sample pieces!
							7			
							8			
							9			
							28.0			
							1		Brown lime grainstone; Broken fossils including echinoids	Extremely small sample pieces!
							2			
							3			
							4			
							28.5			
							6		Brown lime packstone; Broken fossils including echinoids	Extremely small sample pieces!
							7			
							8			
							9			
							29.0			
							1		Brown lime packstone; Broken fossils present - too small to identify	Extremely small sample pieces!
							2			
							3			
							4			
							29.5			
							6		Brown lime packstone; Broken fossils present - too small to identify	Extremely small pieces
							7			
							8			
							9			
							30.0			
							1			
							2			



# FIELD LOG OF BORING

## B- Well #1

PROJECT: R D. Keene Park CLIENT: W.O. NUMBER: DATE STARTED: 4-1-03

DRILLED BY: Diversified RIG: ELEVATION (DATUM): TOTAL DEPTH: DATE FINISHED:

SURFACE CONDITIONS: WATER DEPTH: DATE: TIME:

SAMPLE TYPE	SAMPLE NUMBER	SET	2 <sup>nd</sup> 6	3 <sup>rd</sup> 6	N VALUE	SAMPLE RECOV.	DEPTH (FT.)	LOG	CLASSIFICATION OF MATERIAL	REMARKS
							1		Brown lime packstone; Broken fossils including echinoids	Sample pieces are very small
							2			
							3			
							4			
							305			
							6		Brown lime packstone; clay globules present (tan)	Sample pieces are very small
							7			
							8			
							9			
							310			
							1		Brown lime wackestone/ Packstone; Broken fossils visible - some are cone shape but are not likely Dicyonus.	Sample pieces are very small
							2			
							3			
							4			
							315			
							6		Brown lime packstone/ wackestone; fossils present including echinoids	Sample pieces are very small
							7			
							8			
							9			
							320			
							1			
							2			
							3			
							4			
							5			
							6			
							7			
							8			
							9			
							0			
							1			
							2			



# FIELD LOG OF BORING

## B- Well #1

PROJECT: R.D Keene Park	CLIENT:	W.O. NUMBER:	DATE STARTED: 4-7-03
DRILLED BY: Diversified	RIG:	ELEVATION (DATUM):	TOTAL DEPTH:
SURFACE CONDITIONS:			WATER DEPTH:
			DATE:
			TIME:

SAMPLE TYPE	SAMPLE NUMBER	SET 6	2 <sup>nd</sup> 6	3 <sup>rd</sup> 6	N VALUE	SAMPLE RECOV.	DEPTH (FT.)	LOG	CLASSIFICATION OF MATERIAL	REMARKS
							1		Tan dolostone wackestone - small solution voids present	
							2			
							3			
							4			
							505			
							6		Tan dolostone wackestone	Sample pieces are small
							7			
							8			
							9			
							510			
							1		Tan dolostone wackestone - small solution voids visible;	Sample pieces are small
							2			
							3			
							4			
							515			
							6		Lt. tan dolostone wackestone - a few small solution voids are visible	Sample pieces are small
							7			
							8			
							9			
							520			
							1		Three sample types: Majority → Lt tan dolostone wackestone; Brown dolostone mudstone; Dark grey siltstone	Sample pieces are extremely small
							2			
							3			
							4			
							525			
							6		Grey dolostone mudstone - small solution voids are visible	Sample pieces are small
							7			
							8			
							9			
							530			
							1			
							2			



# FIELD LOG OF BORING

## B- Well #1

PROJECT: R.D. Keene Park	CLIENT:	W.O. NUMBER:	DATE STARTED: 4-7-03
DRILLED BY: Diversified	RIG:	ELEVATION (DATUM):	TOTAL DEPTH:
SURFACE CONDITIONS:			DATE FINISHED:

WATER DEPTH:			
DATE:			
TIME:			

SAMPLE TYPE	SAMPLE NUMBER	SET	2 <sup>nd</sup> 6	3 <sup>rd</sup> 6	N VALUE	SAMPLE RECOV.	DEPTH (FT.)	LOG	CLASSIFICATION OF MATERIAL	REMARKS
							1		Brown dolostone mudstone - Small solution voids visible	
							2			
							3			
							4			
							535		Brown dolostone mudstone - Small solution voids visible	
							6			
							7			
							8			
							9			
							540		Broken fossils - too small to identify; Lt. Brown & brown Packstone; sample effervesces w/ 10% HCl	Sample pieces are extremely small
							1			
							2			
							3			
							4			
							545		Lt. Brown dolostone mudstone	Sample pieces are extremely small
							6			
							7			
							8			
							9			
							550		Brown dolostone mudstone	
							1			
							2			
							3			
							4			
							555		Brown dolostone wackestone	
							6			
							7			
							8			
							9			
							560			
							1			
							2			



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## B-Well #1

PROJECT: R D Keene Park CLIENT: W.O. NUMBER: DATE STARTED: 4-7-03

DRILLED BY: Diversified RIG: ELEVATION (DATUM) TOTAL DEPTH: DATE FINISHED:

SURFACE CONDITIONS: WATER DEPTH: DATE: TIME:

SAMPLE TYPE	SAMPLE NUMBER	SET	2nd	3rd	N	VALUE	SAMPLE RECOV.	DEPTH (FT.)	LOG	CLASSIFICATION OF MATERIAL	REMARKS
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								1		lt. Brown dolostone wackestone; A few small solution voids are visible.	
								2			
								3			
								4			
								565		lt. Brown dolostone mudstone; A few small solution voids are visible.	Sample pieces are small
								6			
								7			
								8			
								9			
								570		Brown dolostone mudstone; solution voids are visible.	
								1			
								2			
								3			
								4			
								575		Brown dolostone mudstone; solution voids are visible.	Sample pieces are extremely small
								6			
								7			
								8			
								9			
								580		Brown dolostone wackestone; solution voids are visible.	Sample pieces are small
								1			
								2			
								3			
								4			
								585		Brown dolostone wackestone	Sample pieces are small.
								6			
								7			
								8			
								9			
								590			
								1			
								2			



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## B- Well #1

PROJECT: R.D. Keene Park CLIENT: W.O. NUMBER: DATE STARTED: 4-7-03

DRILLED BY: Diversified RIG: ELEVATION (DATUM): TOTAL DEPTH: DATE FINISHED:

SURFACE CONDITIONS: WATER DEPTH: DATE: TIME:

SAMPLE TYPE	SAMPLE NUMBER	SET 6	2 <sup>nd</sup> 6	3 <sup>rd</sup> 6	N VALUE	SAMPLE RECOV.	DEPTH (FT.)	LOG	CLASSIFICATION OF MATERIAL	REMARKS
							1		Brown dolostone wackestone - solution voids visible	
							2			
							3			
							4			
							52.5		Brown dolostone wackestone - solution voids visible	
							6			
							7			
							8			
							9			
							60.0		Brown dolostone wackestone	
							1			
							2			
							3			
							4			
							60.5		Dark brown dolostone wackestone - solution voids visible	
							6			
							7			
							8			
							9			
							61.0		Dark brown dolostone wackestone - small solution voids visible	
							1			
							2			
							3			
							4			
							61.5		Brown dolostone wackestone	Sample pieces are extremely small
							6			
							7			
							8			
							9			
							62.0			
							1			
							2			



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## B- Well #1

PROJECT: R.D. Keene Park CLIENT: W.O. NUMBER: DATE STARTED: 4-7-03

DRILLED BY: Diversified RIG: ELEVATION (DATUM): TOTAL DEPTH: DATE FINISHED:

SURFACE CONDITIONS: WATER DEPTH: DATE: TIME:

SAMPLE TYPE	SAMPLE NUMBER	SET 6	2 <sup>nd</sup> 6	3 <sup>rd</sup> 6	N VALUE	SAMPLE RECOV.	DEPTH (FT.)	LOG	CLASSIFICATION OF MATERIAL	REMARKS
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							1		Lt brown & brown lime mudstone/wackestone (too small to accurately identify) w/ clay grey well indurated siltstone	Sample pieces are extremely small
							2			
							3			
							4			
							625			
							6		Brown dolostone wackestone, solution voids visible	Sample pieces are small
							7			
							8			
							9			
							630			
							1			
							2			
							3			
							4			
							5			
							6			
							7			
							8			
							9			
							0			
							1			
							2			
							3			
							4			
							5			
							6			
							7			
							8			
							9			
							0			
							1			
							2			





# FIELD LOG OF BORING

## B- Well #1

PROJECT: R.D Keene Park CLIENT: WO. NUMBER: DATE STARTED: 4-8-03

DRILLED BY: Diversified RIG: ELEVATION (DATUM) TOTAL DEPTH: DATE FINISHED:

SURFACE CONDITIONS: WATER DEPTH: DATE: TIME:

SAMPLE TYPE	SAMPLE NUMBER	SET	2 <sup>nd</sup>	3 <sup>rd</sup>	N	SAMPLE RECOV.	DEPTH (FT.)	LOG	CLASSIFICATION OF MATERIAL	REMARKS
		6	6	6			1		Brown dolostone wackestone	
							2			
							3			
							4			
							63.5		Lt. Brown dolostone wackestone, voids visible	
							6			
							7			
							8			
							9			
							64.0		Brown dolostone wackestone	
							1			
							2			
							3			
							4			
							64.5		Brown dolostone wackestone, solution voids visible	
							6			
							7			
							8			
							9			
							65.0		EOB	
							1			
							2			
							3			
							4			
							5			
							6			
							7			
							8			
							9			
							0			
							1			
							2			