



-1992 BORINGS-

BORING LOG				
Project No. KEI-P90-0606		Boring Diameter 9" Casing Diameter		Logged By <i>JGG</i> W.W. <i>LEG 1633</i>
Project Name Unocal S/S #5901 11976 Dublin Blvd, Dublin		Well Cover Elevation		Date Drilled 8/24/92
Boring No. EB1		Drilling Method Hollow-stem Auger		Drilling Company West Hazmat
Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati- graphy USCS	Description
		0		Road base (fill).
			CL/ML	Silty clay, estimated at 25-30% silt, stiff, moist, dark gray (5Y4/1), trace sand and rootlets.
4/8/12		5		Silty clay, trace sand, very stiff, moist, dark gray (5Y44/1), trace pores.
6/10/18				Silty clay, estimated at 25% silt, 5% sand, and 5% gravel to 1/2 inches in diameter, very stiff, moist, dark gray (5Y4/1), to dark greenish gray (5GY4/1), rootlets common.
6/8/10		10		Silty clay, estimated at 15% silt and trace sand, very stiff, moist, greenish gray (5GY5/1), rootlets and caliche in voids common.
6/8/10				Silty clay, estimated at 35% silt, very stiff, very moist, greenish gray (5GY5/1), trace rootlets and caliche.
		15		TOTAL DEPTH 13.5'
		20		


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Project Name Unocal S/S #5901 11976 Dublin Blvd, Dublin	Well Cover Elevation	Date Drilled 8/24/92
Boring No. EB2	Drilling Method Hollow-stem Auger	Drilling Company West Hazmat

Penetration blows/6"	G. W. level	Depth (feet) Samples	Stratigraphy USCS	Description
		0		Road base.
777		5	CL/ML	Silty clay, estimated at 30% silt, stiff, moist, grayish brown (5/2) and dark yellowish brown (4/4) mottled, trace rootlets.
3/37	▼	10		Silty clay, estimated at 25% silt, and 5% fine sand, stiff, greenish gray (5GY5/1) with slight dark yellowish brown (4/4), mottling trace caliche and rootlets.
				TOTAL DEPTH 12'
		15		
		20		


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Project Name Unocal S/S #5901 11976 Dublin Blvd, Dublin	Well Cover Elevation	Date Drilled 8/24/92
Boring No. EB3	Drilling Method Hollow-stem Auger	Drilling Company West Hazmat

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati- graphy USCS	Description
		0		Silty gravel with sand base.
				Silty clay, firm, moist, very dark grayish brown.
3/3/5		5	CL/ML	Silty clay, estimated at 30% silt and 5-10% sand, firm to stiff, moist, black (2.5/1), trace rootlets.
				Silty clay, estimated at 35% silt, trace sand, stiff, moist, dark gray (4/1) and gray (5Y5/1) mottled, trace rootlets.
3/5/8		10		Silty clay, estimated at 40% silt and 5-10% fine sand, stiff, very moist, gray (5Y6/1), trace caliche and rootlets.
3/5/6				
		15		TOTAL DEPTH 13.5'
		20		


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Project Name Unocal S/S #5901 11976 Dublin Blvd, Dublin	Well Cover Elevation	Date Drilled 8/24/92
Boring No. EB4	Drilling Method Hollow-stem Auger	Drilling Company West Hazmat

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati- graphy USCS	Description
		0		Silty gravel, subangular gravels to 1 inch in diameter (fill from building removal).
25/8/9		5	CL/ML	Silty clay, estimated at 25-35% silt and trace sand, very stiff, moist, very dark gray (N3/), caliche and pores.
3/5/7		10	CL/ML	Silty clay, estimated 35-40% silt and trace sand, stiff, very moist. olive gray (5/2), trace rootlets and caliche.
				TOTAL DEPTH 11'
		15		
		20		

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Project No. KEI-P90-0606	Boring Diameter 9"	Logged By <i>JGG</i> W.W. <i>CEG 1633</i>
	Casing Diameter 2"	
Project Name Unocal S/S #5901 11976 Dublin Blvd, Dublin	Well Cover Elevation	Date Drilled 8/24/92
Boring No. EB5	Drilling Method Hollow-stem Auger	Drilling Company West Hazmat

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati- graphy USCS	Description
		0		Silty gravel base (fill from building removal of hoists).
5/5/7		5	CL/ML	Silty clay, estimated at 30-40% silt and trace sand, stiff, moist, gray (5Y5/1), rootlets and caliche common.
4/4/6		10		Silty clay, estimated at 40% silt, stiff, moist to very moist, gray (5Y6/1) with slight brown (5/3) mottling.
				TOTAL DEPTH 11'
		15		
		20		




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Project No. KEL-P90-0606	Boring Diameter 9" <hr/> Casing Diameter	Logged By JGG W.W. LEG 1633
Project Name Unocal S/S #5901 11976 Dublin Blvd, Dublin	Well Cover Elevation	Date Drilled 8/24/92
Boring No. EB6	Drilling Method Hollow-stem Auger	Drilling Company West Hazmat

Penetration blows/6"	G. W. level	Depth (feet) Samples	Stratigraphy USCS	Description
		0		
26/24/22		5		Silty gravel with sand, subangular gravel to 3/4 inch in diameter (fill from building and hoist removal).
		10	CL/ML	Silty clay, estimated at 15-20% silt, trace sand and gravel, gravel to 3/8 inch in diameter, dense, moist, gray (5Y5/1), rootlets and caliche common. Silty clay, estimated at 30% silt, trace sand, firm to stiff, very moist to saturated, gray (5/1) with slight dark yellowish brown (4/4) mottling, rootlets common, trace caliche.
		15		
		20		
TOTAL DEPTH 11'				

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Project Name Unocal S/S #5901 11976 Dublin Blvd, Dublin	Well Cover Elevation	Date Drilled 8/25/92
Boring No. EB7	Drilling Method Hollow-stem Auger	Drilling Company West Hazmat

Penetration blows/6"	G. W. level	Depth (feet) Samples	Stratigraphy USCS	Description
		0		Sand and gravel base.
3/3/5		5	CL/ML	Silty clay, stiff, moist, very dark gray.
	  	10		Silty clay, estimated at 25% silt, trace sand, firm to stiff, moist, greenish gray (5GY5/1), caliche common. Silty clay, estimated at 25-35% silt, 5% sand and trace gravel to 1/2 inch in diameter, stiff, very moist, dark greenish gray (5GY4/1) with dark grayish brown (4/2) mottling, trace rootlets and organic matter.
				TOTAL DEPTH 10.5'
		15		
		20		

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Project Name Unocal S/S #5901 11976 Dublin Blvd, Dublin	Well Cover Elevation	Date Drilled 8/25/92
Boring No. EB8	Drilling Method Hollow-stem Auger	Drilling Company West Hazmat

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati- graphy USCS	Description
		0		Sand gravel base.
		5	CL/ML	Silty clay, estimated at 15% silt, trace sand, stiff, moist, very dark gray (N3/), rootlets common. Clay, estimated at 25% silt, trace sand, very stiff, moist, dark gray (5Y 4/1).
10/10/14		10	CL/ML	Silty clay, estimated at 25% silt and 5% sand, 5% gravel to 1/2 inch in diameter, stiff, moist, dark gray (5Y 4/1).
5/5/10		15	CL/ML	Clay, estimated at 20% silt and 5% fine sand, very stiff, moist, gray (5Y 6/1).
5/5/12		17	CL/ML	Silty clay, estimated at 25% silt, 10 to 15% fine sand and trace gravel to 1/2 inch diameter, very stiff, very moist, gray (5Y 5/1).
5/8/11		18.5	CL/ML	Silty clay as above, very moist to saturated.
17/13/22			GW CL/ML	Well graded gravel with sand, estimated at 10-15% silt, dense, saturated, gray (5Y 5/1) gravel to 1-1/4 inches in diameter. Silty clay, estimated at 25% silt and 10% fine sand, hard, very moist, gray (5Y 5/1).
		20		TOTAL DEPTH 18.5'

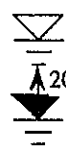
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Project Name Unocal S/S #5901 11976 Dublin Blvd, Dublin	Well Cover Elevation	Date Drilled 8/25/92
Boring No. EB9	Drilling Method Hollow-stem Auger	Drilling Company West Hazmat

Penetration blows/6"	G. W. level	Depth (feet)	Samples	Strati-graphy USCS	Description
		0			Sand and gravel base.
					Silty clay, estimated at 30% silt and trace sand, moist, grayish brown (5/2), rootlets common.
5/6/16		5	■	CL/ML	Silty clay, estimated at 25% silt and trace sand and gravel, very stiff, moist, grayish brown (5/2), rootlets.
					Silty clay, estimated at 40% silt and 5 to 10% sand, very stiff, moist, brown (5/3).
6/12/13		10	■	SM	Silty sand with gravel, estimated at 20% silt and 15% gravel to 3/4 inch in diameter, sand is well graded, medium dense, moist, grayish brown (5/2).
					Silty clay with sand, estimated at 25% silt, 10-15% sand, and 5% gravel to 1 inch in diameter, hard, moist, grayish brown (5/2), trace caliche.
16/20/22		15	■	CL/ML	
					Silty clay with sand, estimated at 30% silt, 15% sand and 10% gravel to 1/2 inch in diameter, hard, moist to very moist, grayish brown (5/2).
17/17/17			■		
7/16/17		20	■		Silty clay, estimated at 25% silt and 5-10% sand, hard, very moist, grayish brown (5/2).


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	Casing Diameter	
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Boring No. EB9	Drilling Method Hollow-stem Auger	Drilling Company West Hazmat

Penetration blows/6"	G. W. level	Depth (feet) Samples	Strati- graphy USCS	Description
4/8/13		25	CL/ML	Silty clay, estimated at 25% silt, 5-10% sand and trace gravel to 1/2 inch in diameter, very stiff, moist, pale brown (6/3) with slight greenish gray mottling, trace caliche and pores.
18/18/23		30		Silty clay, estimated at 25-30% fine silt and 5% sand, hard, moist, pale brown (6/3), trace caliche and pores, trace organic matter.
6/12/12	 20 min.	35		CL/CH
				TOTAL DEPTH 35.5'


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Project Name Unocal S/S #5901 11976 Dublin Blvd, Dublin	Well Cover Elevation	Date Drilled 8/25/92
Boring No. EB10	Drilling Method Hollow-stem Auger	Drilling Company West Hazmat

Penetration blows/6"	G. W. level	Depth (feet) Samples	Stratigraphy USCS	Description
		0		Silty gravel with sand (fill).
				Silty clay, stiff, moist, very dark gray (3/1), trace pores.
8/9/14		5	CL/ML	Silty clay, estimated at 25% silt, very stiff, moist, greenish gray (5GY 5/1) with slight dark yellowish brown (4/4) mottling, trace organic matter.
		10		Silty clay, estimated at 20-25% silt and 5% sand, very stiff, moist, greenish gray (5GY 5/1), very dark gray (3/1), and grayish brown mottled (5/2).
6/8/12				Silty clay as above.
7/9/12				Silty clay with sand, estimated at 25% silt, 15% fine sand, and trace gravel to 1 inch in diameter, very stiff, very moist, gray (5Y 6/1).
9/12/14		15		
	 (Water rose 2 inches in 20 minutes.)			TOTAL DEPTH 16'
		20		

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Boring No. EB11	Drilling Method Hollow-stem Auger	Drilling Company West Hazmat

Penetration blows/6"	G. W. level	Depth (feet) Samples	Stratigraphy USCS	Description
		0		Sandy gravel with silt (fill from building removal). Angular gravel to 1 inch in diameter.
23/16/5		5		Silty clay, estimated at 25% silt, 5-10% sand and trace gravel, stiff, moist, gray (5Y 5/1).
6/12/15		10	CL/ML	Silty clay, very stiff, dark greenish gray (5GY 4/1) with dark yellowish brown (4/4) mottling, caliche and rootlets common.
5/9/14		15		Silty clay as above, very stiff, moist, dark greenish gray (5GY 4/1).
3/3/9				Silty clay, estimated at 30% silt, trace sand, stiff, moist to very moist, greenish gray (5GY 5/1) and gray (5Y 5/1) mottled, caliche and rootlets common.
				TOTAL DEPTH 16-5'
		20		