

PACIFIC PROPERTY  
SW $\frac{1}{4}$ , NE $\frac{1}{4}$ , NE $\frac{1}{4}$ , Sec. 1, T 7S, R 98W

HOLE NO. PAC - 7

DATE DRILLED 11/12/80 - 11/16/80

COORDINATES 611,494.1 NORTH 1,217,543.7 EAST

SURFACE ELEVATION 8,103.6 FEET

TOTAL DEPTH 781 FEET

CORED INTERVAL 545 - 781 FEET

LENGTH AND DIAMETER OF SURFACE CASING 24' x 6 5/8"

SIZE OF CORE 3 INCHES

CONTACT UINIA FORMATION - GREEN RIVER FORMATION 220 FEET

<u>KEY BEDS</u>	<u>DEPTH</u>	<u>ELEVATION</u>	<u>ELEVATION RELATIVE TO MM</u>
UPPER WAVY BED (BASE)	<u>632.9</u>	<u>7,470.7</u>	<u>+ 55.3</u>
A-GROOVE (BASE)	<u>672.8</u>	<u>7,430.8</u>	<u>+ 15.4</u>
MAHOGANY MARKER (TOP)	<u>688.2</u>	<u>7,415.4</u>	<u>0</u>
B-GROOVE (TOP)	<u>761.0</u>	<u>7,342.6</u>	<u>- 72.8</u>

CLEVELAND — CLIFFS -

1/10

HOLE NO. 7		PROJECT: PACIFIC PROPERTY				
RUN	DEPTH	FRACTURES				LITHOLOGIC DESCRIPTION
		P. P.	JOINT	SLICK	C. I.	
.00	545				.22	545.00' to 552.00' Oil Shale, medium grade, dark and dusky yellow brown thinly laminated.
↑						
#1	546				.29	
RQD 100	547				.37	552.00' to 553.12' Oil Shale, medium grade, moderate and dusky yellow brown. 553.12' to 553.50' Oil Shale, medium grade, dark and dusky yellow brown. 553.50' to 554.75' Oil Shale, high grade, dusky yellow brown thinly laminated with minor dark yellow brown. 554.75' to 559.98' Oil Shale, medium grade, moderate and dark yellow brown with minor dusky yellow brown thin laminations. 556.44' Tuff lens. 556.70' to 556.80' Tuff bed. 559.98' to 560.85' Oil Shale, low to medium grade, pale and moderate yellow brown thin laminations. 560.85' to 561.12' Oil Shale, high grade, dusky yellow brown. 561.12' to 561.50' Oil Shale, medium grade, pale and dark yellow brown thinly laminated. 561.50' to 562.00' Oil Shale, medium to high grade, dark and dusky yellow brown. 562.00' to 563.00' Oil Shale, low to medium grade, pale and moderate yellow brown thick laminations. 563.00' to 567.63' Oil Shale, low grade, pale and moderate yellow brown. 567.63' to 567.71' Oil Shale, high grade, dusky yellow brown. 567.71' to 568.00' Oil Shale, low grade, pale and moderate yellow brown. 568.00' to 568.28' Oil Shale, low to medium grade, pale and dark yellow brown, 1/8" laminations. 568.28' to 568.75' Oil Shale, medium to high grade dark and dusky yellow brown thinly laminated. 568.75' to 569.00' Oil Shale, medium grade, dark and moderate yellow brown.
	548				.51	
	549				.45	
	550				.10	
	551					
	552					
	553					
	554					
	555					
	556				.34 .85	
	557					
	558				.96 .62	
*62	559			Rubble	.46 .62 .98	
#2	560				.20 .85	
RQD 66	561					
	562				.25 .61	
	563		.61			
	564		.43			
	565	.06	.40	Rubble	.06 .20 .40	
	566			Rubble	.43 .64	
	567	.63	.64		.63	
	568					

CLEVELAND — CLIFFS

2/10

HOLE NO. 7

PROJECT: PACIFIC PROPERTY

RUN	DEPTH	FRACTURES				LITHOLOGIC DESCRIPTION
		P. P.	JOINT	SLICK	C. I.	
	569				.95	569.00' to 573.00' Oil shale, low to medium grade, thinly laminated pale and dark yellow brown.
	570		.24	Rubble	.24	
	571		.00			
	572					573.00' to 574.00' Oil Shale, low to medium grade, moderate and dark yellow brown.
	573					574.00' to 574.10' Oil Shale, medium grade, dark yellow brown with thin dusky yellow brown laminations.
62	574				.55 .62	574.10' to 574.78' Oil Shale, high grade, very thinly laminated, dusky yellow brown.
#5	575					574.78' to 577.85' Oil Shale, low to medium grade, pale and moderate yellow brown.
RQD 93	576					577.85' to 578.00' Oil Shale, low grade, pale yellow brown.
	577	.50			.50	578.00' to 579.04' Oil Shale, low grade, pale and moderate yellow brown, 1/4" laminations.
	578					579.04' to 579.70' Oil Shale, low to medium grade, moderate and dark yellow brown.
	579		.04	CI	.04	579.70' to 578.13' Oil Shale, low grade, pale yellow brown.
	580		.13			578.13' to 586.00' Oil Shale, low grade, pale and moderate yellow, 1/8" laminations.
	581					582.30' Tuff, gray. 584.78' Tuff, gray.
	582	.30				
	583	.78				586.00' to 587.55' Oil Shale, medium to high grade, dusky and dark yellow brown thinly laminated.
	584					587.55' to 589.67' Oil Shale, low grade, pale yellow brown.
	585					587.30' Tuff, light gray, wavy, 1/2".
	586					589.67' to 590.70' Oil Shale, very low grade, very pale orange and pale yellow brown, 1/2" bands.
	587	.25				590.70' to 591.18' Oil Shale, low to medium grade, pale and moderate yellow brown.
	588					591.18' to 591.30' Oil Shale, medium to high grade, very thin dusky yellow brown laminations.
67	589		.67		.67	
#4	590					591.30' to 592.32' Oil Shale, low to medium grade, pale, moderate, and dark yellow brown.
RQD 90	591		.18			592.32' to 593.26' Oil Shale, medium grade, dark yellow brown with thin dusky yellow brown laminations.
	592					

CLEVELAND — CLIFFS

3/10

HOLE NO. 7

PROJECT: PACIFIC PROPERTY

RUN	DEPTH	FRACTURES				LITHOLOGIC DESCRIPTION
		P.P.	JOINT	SLICK	C. I.	
	593	.26			.26	593.26' to 596.38' Oil Shale, low to medium grade, pale and moderate yellow brown.
	594					595.50' Tuff, black.
	595					596.38' to 597.24' Oil Shale, low to medium grade, moderate and dark yellow brown.
	596				.38	597.24' to 597.90' Tuff, moderate yellow brown, irregular (wavy) bed.
	597					597.90' to 599.00' Oil Shale, low to medium grade, pale, moderate and dark yellow brown.
	598					599.00' to 603.00' Oil Shale, low grade, pale yellow brown, indistinct banding.
	599	.95				600.35' to 600.45' Tuff, orange and black. 600.50' to 600.57' Tuff, orange and black.
	600					603.00' to 604.45' Oil Shale, low to medium grade, pale yellow brown with thin dark yellow brown laminations.
	601				.82	604.45' to 604.91' Oil Shale, medium grade, dark and dusky yellow brown, thinly laminated.
	602					604.91' to 606.50' Tuff, light gray, wavy.
	603				.92	606.50' to 607.75' Oil Shale, low to medium grade, pale and moderate yellow brown.
.46	604				.46 .66	605.84' Tuff, 1/2", wavy.
#5	605					607.75' to 609.50' Oil Shale, low grade, pale and moderate yellow brown.
RQD 98	606				.53	609.50' to 610.27' Oil Shale, low to medium grade, pale and moderate yellow brown with thin dark yellow brown laminations.
	607					610.27' to 611.13' Oil Shale, low grade, pale and moderate yellow brown, medium bands.
	608					611.13' to 612.30' Oil Shale, medium grade, dark and dusky yellow brown.
	610	.27 .30				612.30' to 612.65' Oil Shale, low grade, pale yellow bands.
	611					612.35' to 612.40' Tuff, medium light gray.
	612				.38	612.65' to 613.60' Oil Shale, low to medium grade, pale and moderate yellow brown.
	613					613.60' to 614.60' Oil Shale, low grade, pale yellow brown.
	614					613.80' to 613.85' Tuff, orange and black, wavy.
	615					614.60' to 615.50' Oil Shale, low to medium grade, pale and moderate yellow brown.
	616				.93	615.50' to 616.25' Oil Shale, low grade, pale yellow brown.
.93	616				.93	616.25' to 617.00' Oil Shale, low to medium grade, pale, moderate and some dark yellow brown.

CLEVELAND — CLIFFS

4/10

HOLE NO. <u>7</u>		PROJECT: PACIFIC PROPERTY				
RUN	DEPTH	FRACTURES				LITHOLOGIC DESCRIPTION
		P. P.	JOINT	SLICK	C. I.	
#6	617					617.00' to 618.70' Oil Shale, low grade, pale yellow brown.
RQD 100	618					618.70' to 619.20' Oil Shale, low to medium grade, pale and moderate yellow brown.
	619				.45	619.20' to 619.75' Oil Shale, medium to high grade, dark and dusky yellow brown thin laminations.
	620					619.75' to 619.90' Oil shale, medium grade, pale and dark yellow brown.
	621					619.90' to 620.50' Oil Shale, low to medium grade, pale, moderate and dark yellow brown.
	622					620.50' to 622.40' Oil Shale, low grade, pale yellow brown.
	623				.28	622.40' to 623.28' Oil Shale, very low grade, very pale orange, and pale yellow brown, thick 1/2" - 1" bands.
	624					623.28' to 624.00' Oil Shale, low grade, pale yellow brown.
	625					624.00' to 624.75' Oil Shale, medium grade, moderate, dark and some dusky yellow brown.
	626					624.75' to 625.50' Oil Shale, medium grade, dark yellow brown.
	627				.07	625.50' to 625.90' Oil Shale, medium grade, dark, pale and some dusky yellow brown, thin laminations.
	628					625.90' to 626.45' Oil Shale, low to medium grade, pale and moderate yellow brown.
	629					626.45' to 629.35' Oil Shale, low grade, pale yellow brown.
	630					629.35' to 630.48' Oil Shale, medium grade, dark and moderate yellow brown.
<del>83</del>	631				.83	630.48' to 632.95' Wavy bed, tuff - sandstone, contorted, due to soft sediment deformation, light to medium gray, interbedded low grade oil shale.
#7	632				.95	
RQD 93	633					632.95' to 635.30' Oil Shale, low grade, pale yellow brown and very pale orange, indistinct bands.
	634					635.30' to 636.18' Oil Shale, low grade, pale yellow brown, very pale orange, with some dark yellow brown thin laminations.
	635					
	636				.32	636.18' to 636.40' Oil Shale, medium grade, dark and pale yellow brown, thinly laminated.
	637					636.40' to 639.06' Oil Shale, low to medium grade, pale, dark and moderate yellow brown, 1/8" laminations.
	638					
	639					639.06' to 643.85' Oil Shale, low grade, pale and moderate yellow brown and very pale orange, indistinct bands.
	640					

CLEVELAND — CLIFFS-

5/10

HOLE NO. <u>7</u>		PROJECT: PACIFIC PROPERTY				
RUN	DEPTH	FRACTURES				LITHOLOGIC DESCRIPTION
		P P	JOINT	SLICK	C. I.	
	641					643.85' to 644.25' Oil Shale, low to medium grade, moderate and pale yellow brown, indistinct banding.
	642		.71			644.25' to 645.00' Oil Shale, low grade, pale and moderate yellow brown, indistinct bands, calcareous.
	643					645.00' to 646.70' Oil Shale, low grade, pale and moderate yellow brown and very pale orange.
	644	.92			.92	646.70' to 646.80' Oil Shale, medium grade, dark yellow brown.
	645				.90	646.80' to 648.00' Oil Shale, low grade, pale yellow brown, calcareous.
	646				.25	648.00' to 649.30' Oil Shale, low grade, pale and moderate yellow brown, indistinct banding.
<del>.70</del>				Rubble	<del>.64</del>	649.30' to 650.60' Oil Shale, low to medium grade, pale and moderate yellow brown, 1/8" laminations.
#8	647				.70	650.60' to 652.50' Oil Shale, low grade, very pale orange, pale and moderate yellow brown, 1/2" bands.
RQD 98	648					652.50' to 652.75' Oil Shale, medium grade, dark and moderate yellow brown, medium laminations.
	649					652.75' to 653.46' Oil Shale, medium to high grade, very thin laminations of dark and dusky yellow brown.
	650					653.46' to 653.75' Oil Shale, low to medium grade, pale and moderate yellow brown, indistinct 1" bands.
	651				.18	653.75' to 657.85' Oil Shale, low grade, pale yellow brown and very pale orange, calcareous.
	652					657.85' to 658.40' Oil Shale, medium to high grade, very thin laminations of dark and dusky yellow brown.
	653					658.40' to 659.00' Oil Shale, low to medium grade, pale and moderate yellow brown, indistinct 1" bands.
	654					659.00' to 659.50' Oil Shale, low grade, pale yellow brown, calcareous.
	655					659.50' to 660.50' Oil Shale, very low grade, very pale orange and pale yellow brown, 1" bands.
	656					660.50' to 661.00' Oil Shale, medium to high grade, very thin laminations of dusky and dark yellow brown.
	657				.67	661.00' to 661.65' Oil Shale, low grade, pale yellow brown, calcareous.
	658				.04	661.65' to 662.00' Oil Shale, low to medium grade, pale and moderate yellow brown.
<del>.65</del>					.38	662.00' to 662.35' Oil Shale, low grade, pale and moderate yellow brown, medium bands.
#9	662				.65	662.35' to 665.52' Top of A-Groove, Oil Shale, very low grade, very pale orange, 1" banding, biscuit parting planes.
RQD 53	663			Rubble		
				Rubble		
	664				.10	
					.60	
					.85	

CLEVELAND — CLIFFS

6/10

HOLE NO. 7

PROJECT: PACIFIC PROPERTY

RUN	DEPTH	FRACTURES				LITHOLOGIC DESCRIPTION
		P.P.	JOINT	SLICK	C.I.	
	665	.52 .75	.75		.10 .26 .75	665.30' White cherty concretion, 2".
	666				Highly Fractured Zone	665.52' to 666.30' Oil Shale, low to medium grade, pale and moderate yellow brown.
	667					666.30' to 667.50' Oil Shale, low grade, pale yellow brown, calcareous.
	668				↓ .35 .70	667.50' to 670.50' Oil Shale, very low grade, very pale orange, indistinct banding.
	669				.04 .60 .80	670.50' to 671.00' Oil Shale, low grade, pale yellow brown, calcareous.
	670		.60		.01 .40	671.00' to 672.00' Oil Shale, low to medium grade, pale and moderate yellow brown.
	671		.00		.00 .40	672.00' to 672.75' Base of A-Groove, Oil Shale, low grade, pale yellow brown.
	672					672.75' to 673.05' Oil Shale, medium grade, dark yellow brown; some dusky yellow brown.
	673					673.05' to 673.80' Oil Shale, medium to high grade, dark and dusky yellow brown, thinly laminated.
	674	.65				673.80' to 674.20' Oil Shale, low to medium grade, pale, moderate and dark yellow brown, medium laminations.
	675				.77 .92	674.20' to 676.65' Oil Shale, low grade, pale yellow brown, banded 1/4".
	676	.40			.65	674.65' Tuff, gray and brown, 1". 676.50' Tuff, brown, 1/2".
<del>65</del>	677				.34	676.65' to 677.00' Oil Shale, medium grade, moderate and dark yellow brown, 1/2" banded.
#10	678				.07	677.00' to 678.85' Oil Shale, medium to high grade, dark and dusky yellow brown thinly laminated.
RQD 99	679				.10	678.10' Tuff, brown and gray, wavy.
	680				.99	678.85' to 680.00' Oil Shale, low grade, pale and moderate yellow brown, medium banding.
	681					680.00' to 680.40' Oil Shale, low to medium grade, pale yellow brown with some dark yellow brown thin laminations.
	682					680.40' to 681.60' Oil Shale, high grade, dusky yellow brown thinly laminated, slightly calcareous.
	683				.27	681.60' to 682.50' Oil Shale, low grade, pale yellow brown.
	684					681.65' Tuff, orange, 1/2".
	685					682.50' to 685.00' Oil Shale, low grade, pale yellow brown, indistinct bands.
	686					685.00' to 688.17' Oil Shale, low grade, pale and moderate yellow brown, 1/2" bands.
	687	.05 .76			.05 .76	688.17' to 688.67' Mahogany Marker, medium light gray siliceous tuff with sandy texture.
	688				.35	688.67' to 691.00' Oil Shale, low grade, pale and moderate yellow brown, calcareous.

CLEVELAND — CLIFFS

7/10

HOLE NO. 7

PROJECT: PACIFIC PROPERTY

RUN	DEPTH	FRACTURES				LITHOLOGIC DESCRIPTION
		P P	JOINT	SLICK	C. I.	
	689	.42			.42	691.00' to 691.60' Oil Shale, very low grade, very pale orange.
	690	.70				691.60' to 692.10' Oil Shale, medium to low grade, dark, moderate, and pale yellow brown.
*60	691	.39				692.10' to 692.33' Oil Shale, high grade, thinly laminated dusky yellow brown, slightly calcareous.
		.53				
		.60				
#11	692				.10 .33	692.33' to 692.58' Oil Shale, medium grade, moderate dark and dusky yellow brown.
RQD 92	693	.54			.00 .54 .78	692.58' to 693.95' Oil Shale, high grade, dusky yellow brown thinly laminated.
	694				.55	693.95' to 694.35' Oil Shale, medium grade, dark, pale, and dusky yellow brown.
	695	.08			.08	694.35' to 694.57' Oil Shale, low grade, pale and moderate yellow brown, calcareous.
	696	.06			.06	694.57' to 694.95' Oil Shale, very low grade, very pale orange.
	697	.05			.05	694.95' to 695.10' Oil Shale, medium to high grade, dark and dusky yellow brown thinly laminated.
	698				.32	695.10' to 696.68' Oil Shale, low grade, pale yellow brown, calcareous.
	699	.45			.45 .91	696.68' to 696.73' Oil Shale, high grade, very thin laminations of dusky yellow brown.
	700				.23 .63	696.73' to 697.50' Oil Shale, very low grade, very pale orange, calcareous.
	701				.56 .90	697.50' to 698.12' Oil Shale, medium grade, dark, pale and moderate yellow brown.
	702				.19 .61	698.12' to 699.45' Oil Shale, very low grade, very pale orange.
	703	.90			.12 .90	699.45' to 699.90' Oil Shale, medium to high grade, dark and dusky yellow brown.
	704	.58			.58	699.90' to 700.28' Oil Shale, high grade, dusky yellow brown.
	705				.18 .35 .97	700.28' to 702.56' Oil shale, medium grade, dark, pale and dusky yellow brown.
.67	706				.67	702.56' to 703.00' Oil Shale, low grade, pale and moderate yellow brown, calcareous.
#12	707					703.00' to 703.45' Oil Shale, low to medium grade, pale, moderate and dark yellow brown.
RQD 100	708	.76			.76	703.45' to 704.30' Oil Shale, medium grade, dark yellow brown.
	709				.40	704.30' to 706.55' Oil Shale, low grade, pale and moderate yellow brown and very pale orange.
	710					706.55' to 706.67' Oil Shale, high grade, dusky yellow brown thinly laminated, slightly calcareous.
	711					706.67' to 707.66' Oil Shale, medium to high grade, dark and dusky yellow brown, thinly laminated.
	712	.44			.44	707.66' to 709.40' Oil Shale, very low grade, very pale orange, calcareous.
						709.40' to 711.20' Oil Shale, medium grade, dark, pale, and dusky yellow brown, medium bands.

CLEVELAND — CLIFFS

8/10

HOLE NO. 7

PROJECT: PACIFIC PROPERTY

RUN	DEPTH	FRACTURES				LITHOLOGIC DESCRIPTION
		P. P.	JOINT	SLICK	C. I.	
	713					711.20' to 712.35' Oil Shale, low grade, pale and moderate yellow brown.
	714					711.72' Tuff band. 712.35' to 713.00' Oil Shale, medium to high grade dark and dusky yellow brown.
	715	.62			.62	713.00' to 714.40' Oil Shale, very low grade, very pale orange with some pale yellow brown.
	716					714.40' to 714.90' Oil Shale, low to medium grade, pale, moderate and dark yellow brown.
	717					714.90' to 715.00' Oil Shale, medium grade, dark and moderate yellow brown.
	718					715.00' to 715.11' Oil Shale, high grade, dusky yellow brown thinly laminated.
	719					715.11' to 717.95' Oil Shale, very low grade, very pale orange, calcareous.
58	720				.58	717.50' to 717.54' Tuff bed.
#13	721					717.64' to 717.69' Tuff lens. 717.83' to 717.85' Tuff lens.
RQD 97	722					717.95' to 719.00' Oil Shale, high to medium grade, dusky and dark yellow brown thinly laminated.
	723					719.00' to 720.58' Oil Shale, very low grade, very pale yellow brown.
	724					720.58' to 721.30' Oil Shale, medium grade, dark and moderate yellow brown.
	725					721.30' to 723.38' Oil Shale, medium to high grade, dark and dusky yellow brown, slightly calcareous.
	726				.37	723.38' to 726.06' Oil Shale, medium to low grade, moderate, pale and dark yellow brown.
	727	.68			.68	726.06' to 726.85' Oil Shale, medium grade, dark and pale yellow brown.
	728					726.85' to 728.67' Oil Shale, medium to low grade, moderate and pale yellow brown.
	729					728.67' to 731.14' Oil Shale, low grade, pale and moderate yellow brown.
	730				.77	731.14' to 731.93' Oil Shale, medium to high grade, dark and dusky yellow brown thinly laminated.
	731					731.85' Tuff lens.
	732					731.93' to 733.30' Oil Shale, low grade, pale yellow brown.
	733	.01 .23 .70 .85		Rubble → Rubble →	.01 .70 .85	733.22' Thin sandstone lens, gray.
	734					733.30' to 735.08' Oil Shale, very low grade, very pale yellow brown.
	735	.50 .57			.50 .57	733.34' Thin sandstone lens. 735.08' to 736.10' Oil Shale, medium to low grade, pale moderate and dark yellow brown.
60	736	.24			.24 .60	736.10' to 736.55' Oil Shale, low grade, pale and moderate yellow brown.

CLEVELAND — CLIFFS

9/10

		HOLE NO. <u>7</u>				PROJECT: PACIFIC PROPERTY
RUN	DEPTH	FRACTURES				LITHOLOGIC DESCRIPTION
		P. P.	JOINT	SLICK	C. I.	
#14	737	.25			.25	736.55' to 736.80' Oil Shale, high grade, thinly laminated dusky yellow brown, slightly calcareous.
RQD 89	738				.18 .40	736.80' to 738.00' Oil Shale, low grade, pale and moderate yellow brown, calcareous.
	739	.50 .75 .83			.50 .75 .83	738.00' to 739.00' Oil Shale, medium grade, dark, pale and dusky yellow brown, medium bands.
	740					739.00' to 740.00' Oil Shale, low to medium grade, pale and moderate yellow brown.
	741	.15			.15	740.00' to 742.10' Oil Shale, low grade, pale yellow brown, calcareous.
	742				.30	742.10' to 742.90' Oil Shale, high grade, dusky yellow brown thinly laminated, slightly calcareous.
	743					742.90' to 744.85' Oil Shale, low grade, pale and moderate yellow brown.
	744	.45 .72 .95		Rubble	.90 .20 .45 .72 .65	744.85' to 745.28' Oil Shale, medium grade, dark, pale and dusky yellow brown, thinly laminated.
	745	.75			.75	745.28' to 747.07' Tuff, medium gray, siliceous.
	746	.65 .90			.65 .90	747.07' to 747.65' Oil Shale, medium to high grade, dark and dusky yellow brown, medium laminations.
	747	.50			.50	747.65' to 748.20' Oil Shale, medium grade, dark and moderate yellow brown.
	748					748.14' to 748.21' Tuff bed.
	749				.74	748.20' to 753.00' Oil Shale, low grade, pale and moderate yellow brown.
	750	.58 .77			.58 .77	749.50' Tuff bed. 752.20' to 752.22' Tuff band.
<del>.60</del>	751				.50 .60	753.00' to 754.00' Oil Shale, medium to low grade, pale, dark and moderate yellow brown.
#15	752				.60 .70 .94	754.00' to 756.00' Oil Shale, very low grade, very pale orange some pale yellow brown.
RQD 94	753	.30			.30	756.00' to 756.77' Oil Shale, low to medium grade, pale and moderate yellow brown.
	754					756.77' to 756.94' Oil Shale, high grade, dusky yellow brown, slightly calcareous.
	755					756.94' to 759.40' Oil Shale, low to medium grade, pale, moderate and dark yellow brown.
	756	.11 .77 .94			.11 .77 .94	759.40' to 760.15' Oil Shale, low grade, pale and moderate yellow brown.
	757					760.15' to 760.65' Oil Shale, medium grade, dark and moderate yellow brown.
	758				.17	760.65' to 760.82' Oil Shale, high grade, solid dusky yellow brown, thinly laminated.
	759					760.82' to 760.92' Oil Shale, medium grade, dark and moderate yellow brown.
	760	.82			.30 .82	760.92' to 762.70' Oil Shale, low grade, pale and moderate yellow brown.

CLEVELAND — CLIFFS

10/10

HOLE NO. 7

PROJECT: PACIFIC PROPERTY

RUN	DEPTH	FRACTURES				LITHOLOGIC DESCRIPTION
		P. P.	JOINT	SLICK	C. I.	
	761					
	762				.13	762.70' to 766.53' Oil Shale, medium grade, dark, pale and moderate yellow brown.
	763				.67	
	764				.47 .95	
	765				.90	
	766				.15 .53 .84	
<del>.53</del>						766.53' to 781.53' Oil Shale, very low grade, very pale orange, thin laminations.
#16	767	.64				
RQD 65	768				.20 .25 .92	
	769				6 Total	
	770				.75	
	771				.18 .25 .40	
	772				.22	
	773				.43	
	774				6 Total	
	775				5 Total	
	776				.09 .60 .92	
	777		.73		.73	
	778		.50		.50	
	779				.43 .47 .69	
	780				.48 .59	
<del>.53</del>	781				.40 .50 .53	
	End of Hole					