

QLA 2

Company: HANLEY PETROLEUM, INC.
Well: CHANDLER #1
Field: WEST LOVINGTON
County: State: NEW MEXICO Country: U.S.A.

Location: 330'FSL & 1650'FEL
Section: 28 **Township:** 15S **Range:** 35E **API No.:**
Permanent Datum: Elevation: **EKB:** 3999.000
Log Measured From: KB above Perm. Datum **EDF:** 3998.000
Drilling Measured From: **EGL:** 3981.000

Description	Run 1	Run 2	Run 3	Run 4
Date	23-FEB-96			
Run Number	1			
Bit Size	7.8750			
Type Fluid	GEL/PAC/STA			
Mud Density	9.1000			
Mud Viscosity	37.0000			
Mud pH	10.0000			
Mud Fluid Loss	8.0000			
Mud Resistivity	0.1430			
Mud Sample Temp.	57.0000			
Mud Filtrate Res.	0.1430			
Mud Filtrate Temp.	57.0000			
BHT	159.0000			
Max Rec Temp	159.0000			
Rmf at BHT				
Rm at BHT				

Remarks:

Disclaimer:

Interpretations are opinions based upon inferences from electrical or other measurements and algorithms, empirical relationships, and assumptions which are not infallible and with respect to which log analysts may differ. Accordingly, <Company Name> cannot and does not guarantee the accuracy or correctness of any interpretation and shall not be liable or responsible for any losses, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents, or employees.

NMOCD Case No. 11724

Exhibit No. 30

Submitted by: Enserch Exploration, Inc.

May 15, 1997

DEPT	LLD	DPHIA	SWWT	HPV	BVW	PORD
11580.5000	363.8740	0.0358	0.3338	0.0119	0.0120	5.0000
11581.0000	347.6240	0.0409	0.2992	0.0143	0.0122	5.7540
11581.5000	344.4620	0.0454	0.2704	0.0166	0.0123	6.3690
11582.0000	329.0790	0.0469	0.2679	0.0172	0.0126	6.3490
11582.5000	314.3830	0.0486	0.2646	0.0179	0.0129	6.2100
11583.0000	277.9480	0.0523	0.2616	0.0193	0.0137	6.5480
11583.5000	230.1270	0.0543	0.2770	0.0196	0.0150	7.1230
11584.0000	195.4830	0.0536	0.3045	0.0186	0.0163	7.3210
11584.5000	191.9430	0.0526	0.3130	0.0181	0.0165	7.0040
11585.0000	190.1970	0.0516	0.3205	0.0175	0.0165	6.4880
11585.5000	193.7050	0.0512	0.3201	0.0174	0.0164	6.3290
11586.0000	200.9160	0.0502	0.3205	0.0171	0.0161	6.2100
11586.5000	214.1860	0.0447	0.3483	0.0146	0.0156	5.3570
11587.0000	228.3340	0.0393	0.3841	0.0121	0.0151	4.7420
11587.5000	247.9040	0.0372	0.3893	0.0114	0.0145	4.7020
11588.0000	257.1330	0.0381	0.3733	0.0119	0.0142	5.1390
11588.5000	244.5320	0.0391	0.3731	0.0123	0.0146	5.6940
11589.0000	228.3340	0.0399	0.3784	0.0124	0.0151	5.8930
11589.5000	216.6830	0.0405	0.3827	0.0125	0.0155	5.9330
11590.0000	200.0400	0.0404	0.3993	0.0121	0.0161	5.8130
11590.5000	183.3960	0.0409	0.4120	0.0120	0.0168	5.8130
11591.0000	166.7530	0.0423	0.4179	0.0123	0.0177	5.9720
11591.5000	154.9250	0.0446	0.4104	0.0132	0.0183	5.3690
11592.0000	148.6150	0.0467	0.4003	0.0140	0.0187	6.7860
11592.5000	145.9230	0.0476	0.3964	0.0144	0.0189	7.0040
11593.0000	144.5960	0.0473	0.4006	0.0142	0.0190	7.0040
11593.5000	148.6150	0.0436	0.4285	0.0125	0.0187	6.3690
11594.0000	159.8850	0.0327	0.5508	0.0074	0.0180	4.4050
11602.5000	128.4070	0.0317	0.6339	0.0058	0.0201	4.2660
11603.0000	122.6720	0.0327	0.6290	0.0061	0.0206	4.4640
11603.5000	127.8170	0.0308	0.6542	0.0053	0.0202	4.1870
11607.5000	226.2660	0.0319	0.4746	0.0084	0.0152	4.7820
11608.0000	250.1800	0.0321	0.4486	0.0089	0.0144	4.8610
11608.5000	296.1300	0.0306	0.4337	0.0087	0.0133	4.5830
		0.0423	0.3904	0.4477		
		AVG (D)	AVG (D)	TOT (D)		

PLS

USER DEFINED CURVE EQUATIONS:

RES : MAX(0.01,LLD[])
 DPHIA : MAX(0.001,(PORD[]+CN[])*0.005)
 SWWT : MIN(1,(0.052/(RES[]*DPHIA[]^2))^0.5)
 HPV : (DPHIA[]*(1-SWWT[]))^0.5
 BVW : MAX(.001,SWWT[]*DPHIA[])
 NetCutoff : DPHIA[]>=.03&DEPT[]>11566&DEPT[]<11650