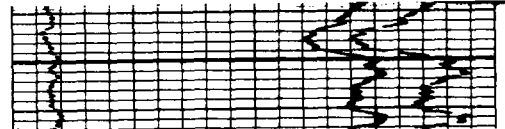


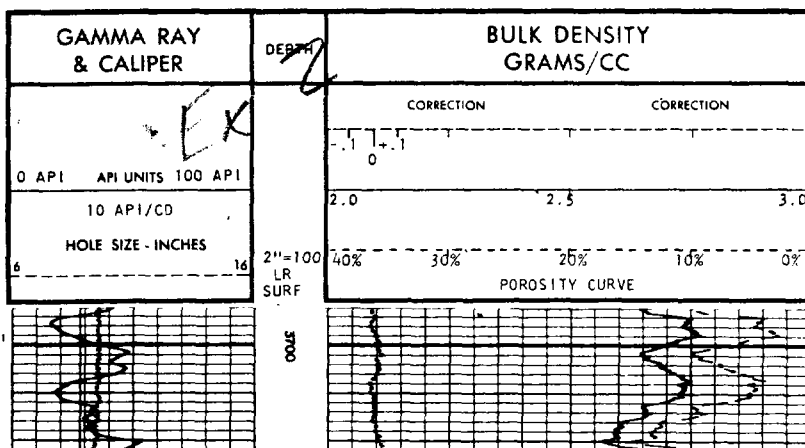
COMPENSATED Densilog		COMPANY ANADARKO PRODUCTION COMPANY WELL LDU WORTHAM "C" NO. 2 FIELD SOUTH EUNICE (S.A.) COUNTY LEA STATE NEW MEXICO LOCATION 1877.7' FNL & 2407' FEL S-1/2 OF NE 1/4 SEC. 11 TWP. 22-S RGE. 37-E Other Services MLL/C MDP	
Permanent Datum G.L. Elev. 3345.1 Log Measured from K.B. 8.5 ft. Above Permanent Datum Drilling Measured from K.B.		Run No. ONE Depth—Driller 4760 Depth—Logger 4703 Bottom—Logger 4701 Top Logged Interval 3578-364 Casing—Driller 364 Casing—Logger 364 Bit Size 8 3/4 Type Fluid in Hole STARCH & SALT GEL Density and Viscosity 10.1 26.8 cc pH and Fluid Loss FLOW LINE Source of Sample Rm @ Meas. Temp. 0.1 75 F @ 6 F Rm @ Meas. Temp. 0.3 75 F @ 6 F Rm @ Meas. Temp. 0.3 75 F @ 6 F Source of Rm and Rmc MEASURED Rm @ Bit 0.31 100 F Time Since Circ. 3 HRS Env. Rec. Temp. Deg. F. 100 Equip. No. and Location 6031 HOBBS VAGHIN Measured By MR. ELSON	

Gamma Ray Run No. ONE Tool Model No. 422 Serial No. 40 Diam. 3 3/8 Detect. Model No. RGDA Type SCINT Length 4" Dist. to Source		Equipment Data Run No. ONE Tool Model No. 2205 Serial No. 325 Diam. 4 7/8 Computer Model No. CMMD Serial No. 27 Source Model No. CS-137 Serial No. TL-28	
General Hoist Truck No. HL-6034 Auxiliary Equipment		Computer Data SPINE-322 RIB-378	
Logging Data			
General Run No. 1 Depths From 4701 To 2000 Speed 30 Ft./Min. T.C. Sec. 2 Sens. Settings 590 Zero 0 API G.R. Units 10 T.C. Sec. 3		Densilog Density Scale 2.0-3.0 Correction Scale .1/CD Porosity Scale Data 40%-0% DG-2.81 DF-1.2	
Remarks:		Reference Literature:	

GAMMA RAY & CALIPER		DEPTH	BULK DENSITY GRAMS/CC	
0 API API UNITS 100 API 10 API/CD HOLE SIZE - INCHES 6 2"=100 LR SURF			CORRECTION CORRECTION 2.0 2.5 3.0 PERCENT POROSITY 40% 30% 20% 10% 0	



Pala nese				Gamma Ray				Equipment Data				Densilog			
Run No.	ONE			Run No.	ONE			Run No.	ONE			Run No.	ONE		
Tool Model No.	420			Tool Model No.	2205			Tool Model No.	2205			Tool Model No.	2205		
Serial No.	10			Serial No.	325			Serial No.	325			Serial No.	325		
Diam.	3 3/8			Diam.	4 7/8			Diam.	4 7/8			Diam.	4 7/8		
Detect. Model No.	RGDA			Computer Model No.	CHMD			Computer Model No.	CHMD			Computer Model No.	CHMD		
Type	SCINT			Serial No.	27			Serial No.	27			Serial No.	27		
Length	4"			Source Model No.	CS-137			Source Model No.	CS-137			Source Model No.	CS-137		
Dist. to Source	180"			Serial No.	11-24			Serial No.	11-24			Serial No.	11-24		
General				Computer Data				Computer Data				Computer Data			
Hoist Truck No.	HL-6034			RIB-370	RIB-370			RIB-370	RIB-370			RIB-370	RIB-370		
Auxiliary Equipment				SPINE-310	SPINE-310			SPINE-310	SPINE-310			SPINE-310	SPINE-310		
Logging Data															
General				Gamma Ray				T.C.				Densilog			
Run No.	Depths		Speed Ft./Min	T.C. Sec.	Sens. Settings	Zero Div. L or R	API G.R. Units Per Log Div.	T.C. Sec.	Density Scale	Correction Scale	Porosity Scale Data				
1	4588	1900	30	2	800	0	10	3	2.0-3.0	.17CC	CG=2.81				
1	1900	SURE	50	1	800	0	10	1	2.0-3.0	.17CC	CF=1.2				
											40%-0%				
Remarks															
Reference Literature															





COMPANY ANADARKO PRODUCTION COMPANY

COUNTY LEA
FIELD or LOCATION SOUTH EUNICE (SA)
WELL LOU WORTHIAN #5

COMPANY ANADARKO PROD. CO.

WELL LOU WORTHIAN #5
FIELD SOUTH EUNICE (SAN ANDRES)
COUNTY LEA STATE NEW MEXICO
Location: 990' FNL & 1650' FNL
Sec. 11 Twp. 22-S Rge. 37-E
Other Services:
SNP, PUL,
BHC, LL-9

Permanent Datum: G.L. Elev. 3366
Log Measured From: K.B. 9 Ft. Above Perm. Datum
Drilling Measured From: K.B.

Elev. K.B. 3375
D.F. 3366
G.L. 3366

Date 12-2-70
Run No. ONE
Type Log DDC
Depth-Driller 4750
Depth-Logger 4751
Bottom Logged Interval 4750
Top Logged Interval 3000
Type Fluid in Hole SALT BASE
Salinity, PPM Cl. 9
Density Level 9
Max. res. temp. deg F. 100
Operating rig time FREEMAN
Recorded by NELSON
Witnessed by

SOE-HOLE RECORD
No. 1 Bit From To Size Wgt. From To
1 8 3/4 CS6 TO 9 5/8 SURE 366

CASING RECORD
No. 1 Bit From To Size Wgt. From To
1 8 3/4 CS6 TO 9 5/8 SURE 366

The well name, location and borehole reference data were furnished by the customer.

Run No.	PG P.	PDH-A	PGH-A	PGS	Source No.	SFT-106	SGH	Logging Unit	Location
1	225	171	165	E - 96	2346	151	96	3720	40885
2									
3									

CALIBRATION DATA									
Run No.	Gamma Ray			FDC -- Before Log -- ACPS			FDC -- After Log -- ACPS		
	API Scale	Background CPS	Total CPS	P ₁	P ₂		P ₁	P ₂	
1	0 - 100	*		400	830		400	830	
2									
3									

LOGGING DATA									
Run No.	General			Gamma Ray			FDC Selectors		
	From	To	Speed Ft./Min.	Tc	API Scale	Liquid Density	Grain Density	Hole Fluid	Porosity Scale
1	TD	3000	30	2	0 - 100	1.1	2.71	L10	30 TO -10
2									
3									

MUD DATA									
Run No.	Rm.	@	% Solids by Vol.	% Oil by Vol.	% Water by Vol.	Viscosity, Sec/Qt @	@	@	Solids, Av. Sp. Gr.
1	@	@	%	%	%	@	@	@	
2	@	@	%	%	%	@	@	@	
3	@	@	%	%	%	@	@	@	

Remarks: *GR CALIBRATION ON BHC

CALIPER HOLE DIAM. IN INCHES	DEPTHS	30 20 10 0 -10
6 16		POROSITY
		0 +.25
		CORRECTION
		GRAMS/CC.
GAMMA RAY API UNITS		BULK DENSITY
0 100		GRAMS/CC.
100 200		2.0 2.5 3.0
		1.0 1.5 2.0

SCHLUMBERGER

LOGGING UNIT
HOBBBS

COUNTY LEA
FIELD of LOCATION S. EUNICE (SA)
WELL LOU WORTHAM #6

COMPANY ANADARKO PROD. CO.

WELL LOU WORTHAM #6
FIELD SOUTH EUNICE (SA)
COUNTY LEA STATE NEW MEXICO
Location: 2310' FNL & 380' FNL
Sec. 11 Twp. 22-S Rge. 37-E
Other Services: SNF, BHC, LT-9, MLL-ML

Permanent Datum: G.L. Elev.: 3370
Log Measured From: K.B. 11 Ft. Above Perm. Datum
Drilling Measured From: K.B.

Date 5-2-71
Run No. ONE
Type Log GAMMA-GAMMA
Depth—Driller 4812
Depth—Logger 4812
Bottom Logged Interval 4815
Top Logged Interval 0
Type fluid in hole SALT MUD
Solubility, PPM Cl. 184000
Density 10.1
Level FULL
Max rec. temp. deg F. 95
Operating rig time 3 HOURS
Recorded by BROWN
Witnessed by NELSON

BOREHOLE RECORD
No. 1 Bit From 1069 To 4812 Size 8 5/8 Well from 0 To 1069

The well name, location and borehole reference data were furnished by the customer.

Run No.	PG P.	PDH-A	PGH-A	PGS.	Source No.	SFT-106	GNH	Logging Unit	Location
1	0 - 225	388	412	E - 79	2670	340	Q - 27	3720	HOBBBS
2									
3									

CALIBRATION DATA				FDC -- Before Log -- ACPS		FDC -- After Log -- ACPS	
Run No.	API Scale	Background CPS	Total CPS	P _i	P _f	P _i	P _f
1	0 - 100	122	600	420	790	420	790
2							
3							

LOGGING DATA				Gamma Ray		FDC Selectors		
Run No.	General		Speed Ft./Min.	Tc	API Scale	Liquid Density	Grain Density	Hole Fluid
	From	To						
1	0	4812	30	2	0 - 100	1.0	2.71	LIQUID
2								
3								

MUD DATA							
Run No.	Rm. (°F)	% Solids by Vol.	% Oil by Vol.	% Water by Vol.	Viscosity, Sec/Qt (°F)	F	Solids, Av. Sp. Gr.
1	0466	86			34		
2							
3							

Remarks:

