

PAN GEO ATLAS CORP.			
P G A C Acoustic-Gamma-Caliper Log			
FILE NO.	COMPANY <u>TENNECO OIL COMPANY</u>		
	WELL <u>USA CONTINENTAL "A" NO. 1</u>		
	FIELD <u>LUSK STRAWN</u>		
	COUNTY <u>LEA</u>	STATE <u>NEW MEXICO</u>	
	LOCATION: <u>1980' FNL, 1650' FEL</u>		Other Services
	SEC <u>6</u>	TWP <u>19-S</u>	RGE <u>32-E</u>
Permanent Datum <u>GROUND LEVEL</u>		Elev. <u>?</u>	KB <u>?</u>
Log Measured from <u>KELLY BUSHING</u>		<u>16.8</u> Ft. Above Permanent Datum	DF <u>3675.0</u>
Drilling Measured from <u>KELLY BUSHING</u>			GL <u>?</u>
Date	<u>9-3-64</u>		
Run No.	<u>ONE</u>		
Total Depth Driller	<u>11436</u>		
Total Depth PGAC	<u>11438</u>		
Bottom Logged Interval	<u>11432</u>		
Casing Driller	<u>3599</u>		
Casing PGAC	<u>3598</u>		
Footage Logged	<u>11432</u>		
Mud Type	<u>SALT BASE</u>		
Density	Visc.	<u>10.0 34</u>	
Max. Temp. (F)	<u>151 F</u>		
Rec. To Rec. Spacing	<u>1.0' & 3.0'</u>		
Trans. To Rec. Spcg.	<u>4.0'</u>		
Logging Instrument	<u>TELB3-ATS-128</u>		
Equip. No.	<u>ES-103</u>		
Recorded By	<u>BOB MOODY</u>		
Witnessed By	<u>MR. COLLINS</u>		
BORE HOLE RECORD		CASING RECORD	
Bit Size	From	To	Csg. Size
17 1/2	SURFACE	650	13 3/8
11	650	3600	8 5/8
7 7/8	3600	11436	
			Csg. Wt.
			From
			To
			SURFACE
			650
			SURFACE
			3599

Reproduced By
West Texas Electrical Log Service
 Dallas 2, Texas

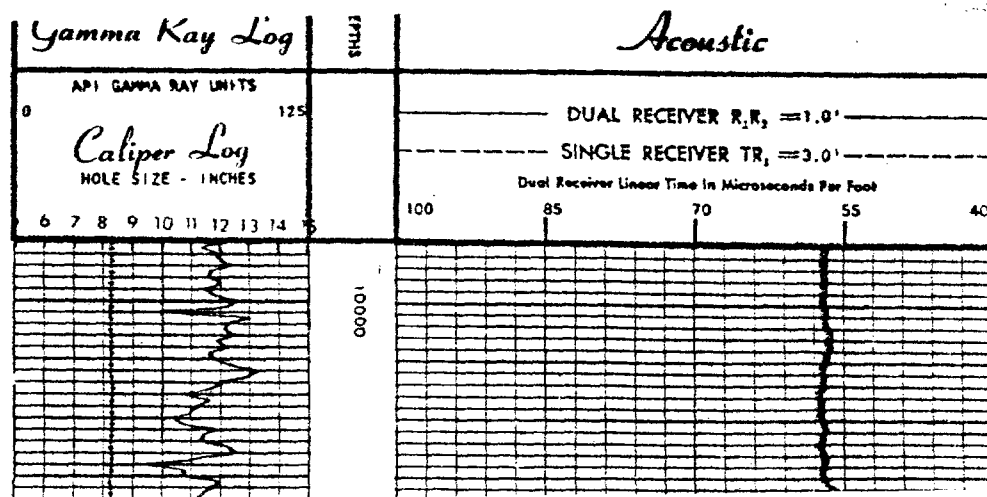
REFERENCE W4904K



18 COMPLETION RECORD

SPUD DATE _____
 COMP DATE _____
 DST RECORD _____

EX. No. 10



SCHLUMBERGER**SONIC LOG-GAMMA RAY**

WITH CALIPER

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY	LEA	COMPANY	TENNECO OIL CO
FIELD or LOCATION	LUSK STRAWN	WELL	USA CONTINENTAL #1
WELL	USA CONTINENTAL #1	FIELD	LUSK STRAWN
LOCATION	660' FSL 1980' FSL	COUNTY	LEA
Other Services:		STATE	NEW MEXICO
Sec. 6	Twp. 19-S	Rge. 32-E	

Permanent Datum: GROUND LEVEL, Elev. 3654.5
Log Measured From: K.B., 18.1 Ft. Above Perm. Datum
Drilling Measured From: K.B.
Elev.: K.B. 3672.6
D.F. 3671
G.L. 3654.5

Date	7-3-64				
Run No.	ONE				
Depth—Driller	11370				
Depth—Logger	11372				
Strm. Log Interval	11363				
Top Log Interval	18				
Casing—Driller	8-5/8" @ 3802				
Casing—Logger	3802				
Bit Size	7-7/8"				
Type Fluid in Hole	CHEM. GEL				
Dens. Visc.	9.6 39				
pH Fluid Loss	10.5 112.2 ml				
Source of Sample	CIRCULATED				
R ₁ @ Meas. Temp.	.85 @ 90 °F	@ °F	@ °F	@ °F	@ °F
R ₂ @ Meas. Temp.	.725 @ 91 °F	@ °F	@ °F	@ °F	@ °F
R ₃ @ Meas. Temp.	1.2 @ 91 °F	@ °F	@ °F	@ °F	@ °F
Source: R ₁ R ₂ R ₃	M M M				
R ₁ @ BHT	.52 @ 148 °F	@ °F	@ °F	@ °F	@ °F
Time Since Circ.	--				
Max. Rec. Temp.	148 °F	°F	°F	°F	°F
Equip. Location	2524 ART.				
Recorded By	VANN				
Witnessed By	EATON-DESADIER-COLLINS				

Reproduced By

West Texas Electrical Log Service

Dallas 2, Texas

REFERENCE W4966M



18 COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

Ex. No. 11

		5"=100'	
GAMMA RAY		DEPTHS	INTERVAL TRANSIT TIME
API UNITS			MICROSECONDS PER FOOT
			T 3 R. 2 R.
0	125	100	70 40

SCHLUMBERGER**SONIC LOG - GAMMA RAY**

(WITH CALIPER)

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COMPANY TENNECO OIL COMPANYWELL USA CONTINENTAL #1FIELD LUSK STRAWNCOUNTY LEA STATE NEW MEXICOLOCATION 660' FSL
1980' FEL

Other Services:

11L-PML-FTSec. 6 Twp. 19-S Rge. 32-EPermanent Datum: GROUND LEVEL, Elev. 3654.5
Log Measured From K.B., 18.1 Ft. Above Perm. Datum
Drilling Measured From K.B.Elev.: K.B. 3672.6
D.F. 3671
G.L. 3654.5

Date	7-3-64				
Run No.	ONE				
Depth—Driller	11370				
Depth—Logger	11372				
Btm. Log Interval	11363				
Top Log Interval	18				
Casing—Driller	8-5/8"@3802	@	@	@	@
Casing—Logger	3802				
Bit Size	7-7/8"				
Type Fluid in Hole	CHEM. GEL				
Dens.	Visc.	9.6	39		
pH	Fluid Loss	10.5	12.2ml	ml	ml
Source of Sample	CIRCULATED				
R _m @ Meas. Temp.	.85 @ 90 °F	@ °F	@ °F	@ °F	@ °F
R _{mf} @ Meas. Temp.	.725 @ 91 °F	@ °F	@ °F	@ °F	@ °F
R _{mc} @ Meas. Temp.	1.2 @ 91 °F	@ °F	@ °F	@ °F	@ °F
Source: R _{mf} R _{mc}	M M				
R _m @ BHT	.52 @ 148°F	@ °F	@ °F	@ °F	@ °F
Time Since Circ.	--				
Max. Rec. Temp.	148 °F	°F	°F	°F	°F
Equip. Location	2524 ART.				
Recorded By	VANN				
Witnessed By	EATON-DESADIER-COLLINS				

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FOLD HERE

PAN GEO ATLAS CORP.



Acoustic-Gamma Ray Log

FILE NO. _____	COMPANY <u>Tenneco Oil Company</u>	
	WELL <u>USA Continental A No. 1</u>	
	FIELD <u>Lusk Strawn</u>	
	COUNTY <u>Lea</u>	STATE <u>New Mexico</u>
	LOCATION: <u>1980' FNL E 1650' FEL</u>	Other Services _____
	SEC <u>6</u> TWP <u>17-S</u> RGE <u>32-E</u>	
Permanent Datum <u>Ground level</u> Elev. _____		Elevations: KB _____
Log Measured from <u>A.B.</u> <u>16.8</u> Ft. Above Permanent Datum		DF <u>3675</u>
Drilling Measured from <u>A.B.</u>		GL _____
Date	<u>9-3-64</u>	
Run No.	<u>ONE</u>	
Total Depth Driller	<u>11,436</u>	
Total Depth PGAC	<u>11,438</u>	
Bottom Logged Interval	<u>11,432</u>	
Casing Driller	<u>3597</u>	
Casing PGAC	<u>3578</u>	
Footage Logged	<u>11,432</u>	
Mud Type	<u>SALT BASE</u>	
Density	Visc.	<u>10.0 34</u>
Max. Temp. (°F)	<u>151°</u>	
Rec. To Rec. Spacing	<u>1' F 3'</u>	
Trans. To Rec. Spcg.	<u>4'</u>	
Logging Instrument	<u>TELB3-115124</u>	
Equip. No.	<u>ES105</u>	
Recorded By	<u>Bob Moody</u>	
Witnessed By	<u>Mr. Collins</u>	

FIELD PRINT

BORE HOLE RECORD			CASING RECORD			
Bit Size	From	To	Csg. Size	Csg. Wt.	From	To
<u>17 1/2"</u>	<u>Surf</u>	<u>650</u>	<u>13 3/8</u>		<u>Surf</u>	<u>650</u>
<u>11"</u>	<u>650</u>	<u>3600</u>	<u>8 5/8</u>		<u>Surf</u>	<u>3597</u>
<u>7 7/8</u>	<u>3600</u>	<u>11,436</u>				