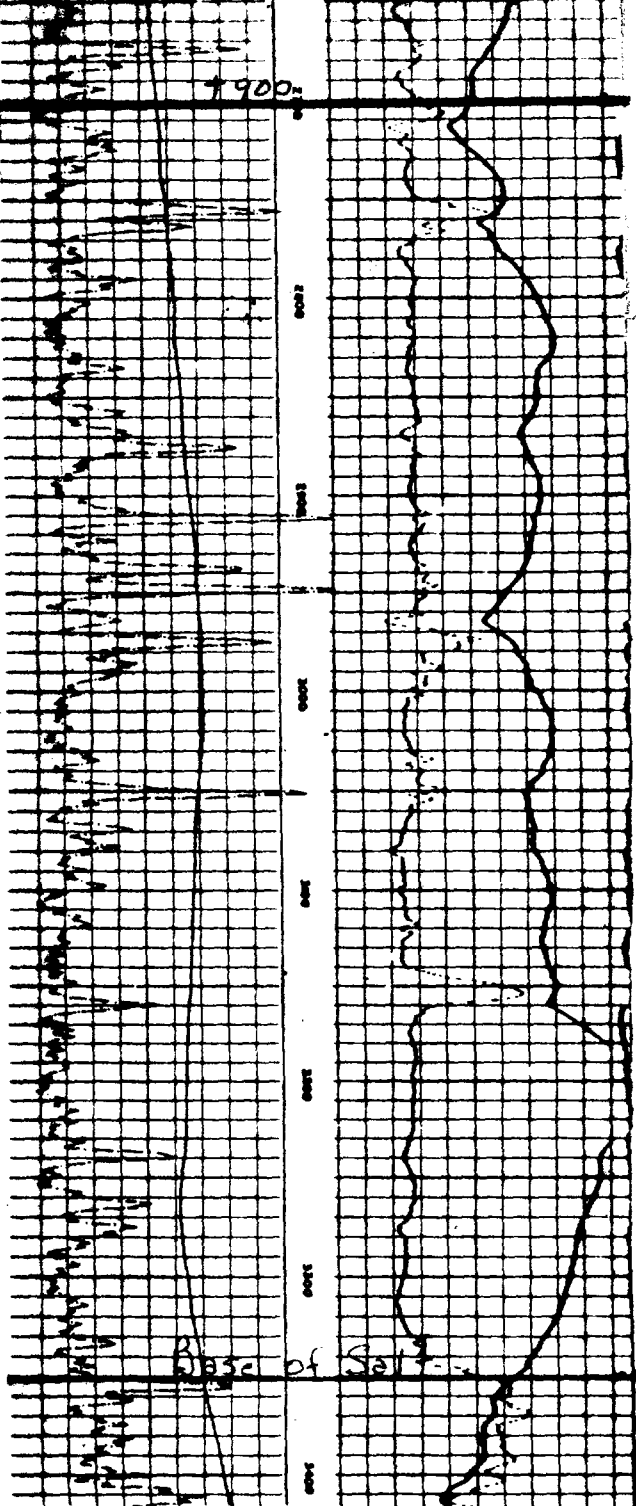


EXHIBIT I

COMPANY AZTEC OIL&GAS CO.		Location of Well 660' F NL 990' F NL Sec. 33-205-36E
WELL STATE E 33 # 2		ES-GR1 (NL-LL)
FIELD EUMONT		Elevation D.F. 3602 or G.L.
LOCATION SEC. 33-205-36E		FILE NO.
COUNTY LEA		
STATE NEW MEXICO		

COMPANY CHARM OIL COMPANY		WELL CHARM OIL CO. STATE "SPT" NO. 2
FIELD EUMONT		STATE # 2
COUNTY LEA		
LOCATION		1980' FNL & 660' FNL 0
		SECTION 33, T-20-S, R-
LOG MEAS FROM TOP ROTARY DRIVE		
DRUG MEAS FROM TOP ROTARY DRIVE		
PBM DATUM		



ILLEGIBLE

219
6429
T

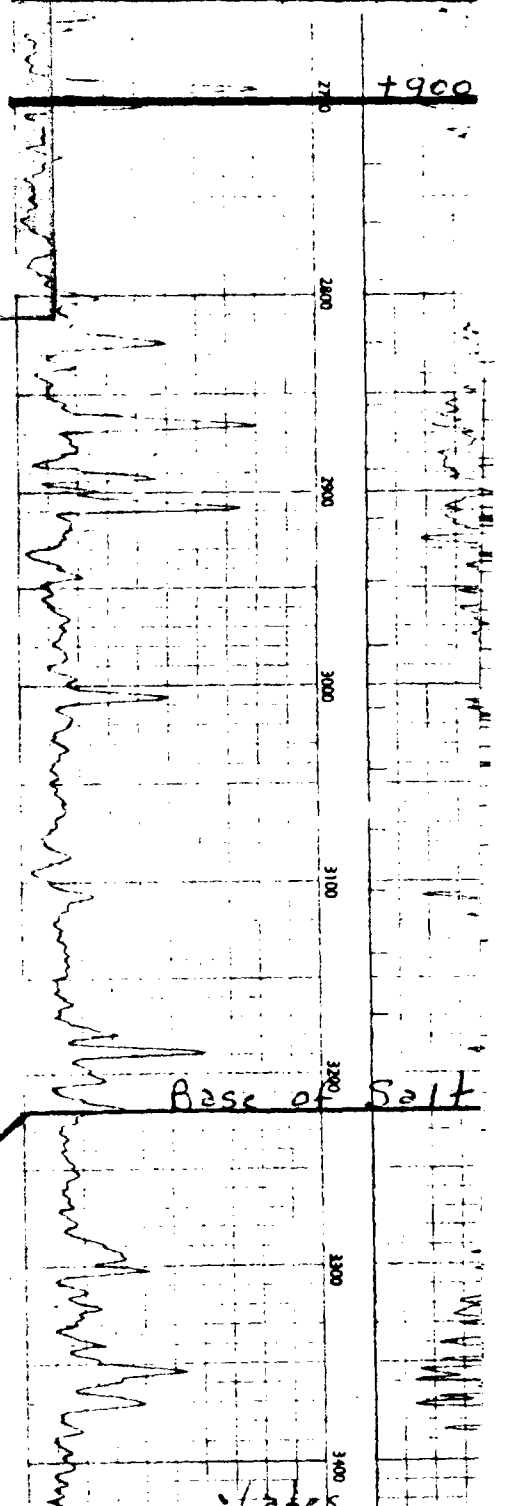


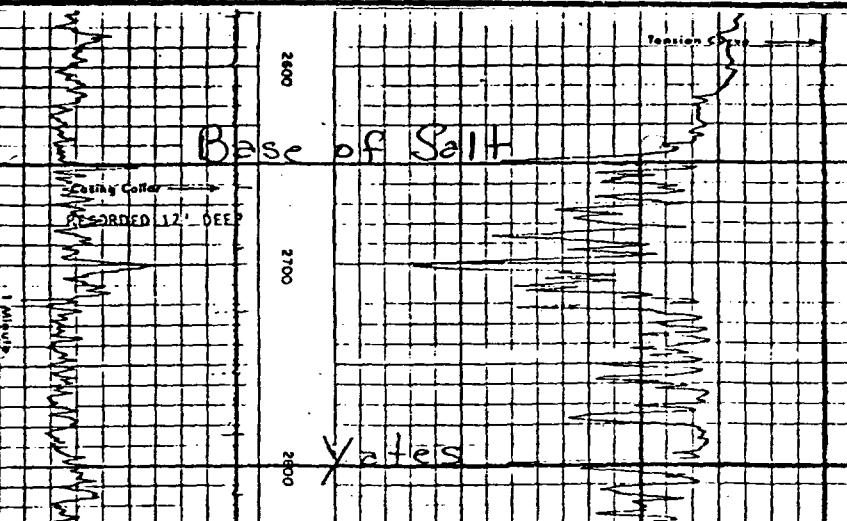
EXHIBIT J

Compensated Neutron
(Gamma Ray)

COMPANY	ZIA ENERGY CORP.
WELL	ELIOT FEDERAL NO. 1
FIELD	ELIOT
COUNTY	STATE NEW MEXICO
LOCATION	310' 151.6 330' FEL
SIC	TYPE 20-5 AGE 36-E
Other Services	
FL Above Permitted Datum Of	3553
Event Date	3553

FOLD HERE	
Remarks	Equipment Used
CASING COLLARS RECORDED 12' DEEP.	Series No. 2413 1326 322
RAN NEUTRON DECENTRALIZED.	Run No. 08E 08E 08E
	SO 3553 3553 3553
	Tool No. 30919 31964 2
	Elec. No. 2
	Panel No. 3215 32534 32538
Gamma Ray	Equipment Data
Run No. ONE	Run No. ONE
Tool Model No. 1306	Log Type 1711
Diam. 3 5/8"	Tool Model No. 2413
Detect Model No. 0664	Serial No. 30919
Type SCIT	Diam. 3 5/8"
Length 6'	Detect Model SS 0663
Dist. to N. Source 6'	Detect Model LS 0663
Computer Data	Source Model No. ST754CS
	Serial No. 34351
	Type AM EE
Logging Data	
General	Compensated Neutron
Run No. 1	Depth 3270'
Speed 2000 F/Min	T.C. 1
SS 1	LS 1
SS 150	LS 150
Zero 14.5	Scale 30.0
Gamma Ray	Zero 4.03
API GR. Units/Dw 10	

GAMMA RAY & CALIPER	DEPTH	POROSITY %
10 API/CD API UNITS		ILLEGIBLE
HOLE SIZE - INCHES		LIMESTONE COMPENSATED NEUTRON POROSITY
6	16	

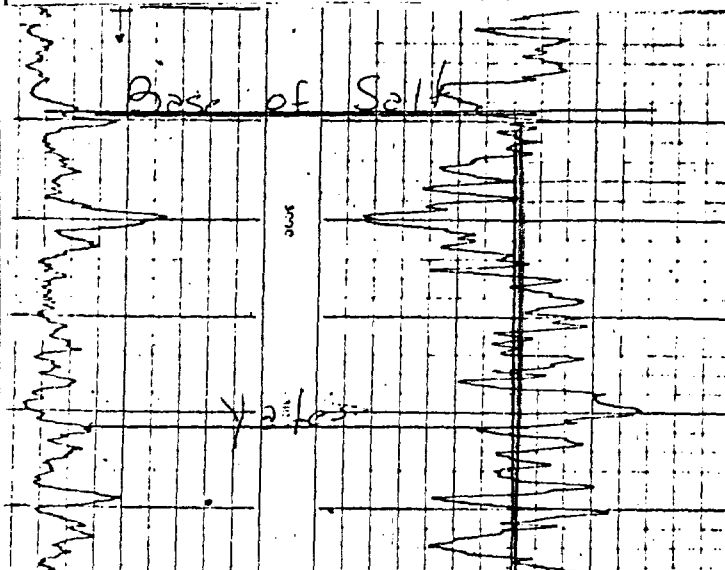


REFERENCE

EXHIBIT K

ILLEGIBLE

SCHLUMBERGER WELL SURVEYING CORPORATION																																																	
COUNTY LEA FIELD or LOCATION EUMONT WELL ELLIOTT STATE #1 COMPANY L. E. ELLIOTT COMPANY L. E. ELLIOTT WELL ELLIOTT STATE #1 FIELD EUMONT LOCATION SEC. 24-30S-36E COUNTY LEA STATE NEW MEXICO Location of Well 330' N 66E SEC. 24-30S-36E Elevations D.F. 3579 K. 3580 or G. 3573 FILING No.																																																	
<table border="1"> <thead> <tr> <th colspan="2">RUN NO.</th> </tr> </thead> <tbody> <tr><td>Date</td><td>11-19-55</td></tr> <tr><td>Depth Reference</td><td>K. 7' ADX. 61</td></tr> <tr><td>First Reading</td><td>400</td></tr> <tr><td>Last Reading</td><td>0</td></tr> <tr><td>Footage Measured</td><td>4007</td></tr> <tr><td>Max. Depth Reached</td><td>4008</td></tr> <tr><td>Bottom Driller</td><td>1006</td></tr> <tr><td>Maximum Temp.</td><td>104</td></tr> <tr><td>Mud Nature</td><td>Water</td></tr> <tr><td>Density</td><td>10.9</td></tr> <tr><td>Viscosity</td><td>35</td></tr> <tr><td>Resistivity</td><td>0</td></tr> <tr><td>Casing Size & Weight</td><td>8 5/8" to 321</td></tr> <tr><td>Open Hole</td><td>7 7/8" to 3950 1 3/4" to 3965; 6 3/4" TD</td></tr> <tr><td>Fluid Level</td><td>145'</td></tr> <tr><td>Recording Speed (ft. hr)</td><td>2000 & 4000</td></tr> <tr><td>Sensitivity (up)</td><td>GR 140 N 80/400 GR</td></tr> <tr><td>Time Constant</td><td>1.4</td></tr> <tr><td>Penetration</td><td>GNP-B # 46</td></tr> <tr><td>Opt. Rig Time</td><td>2 Hrs</td></tr> <tr><td>Spindle Size & Type</td><td>3 5/8"</td></tr> <tr><td>Truck No.</td><td>1762-HOBBS</td></tr> <tr><td>Observer</td><td>Harold L.</td></tr> </tbody> </table>		RUN NO.		Date	11-19-55	Depth Reference	K. 7' ADX. 61	First Reading	400	Last Reading	0	Footage Measured	4007	Max. Depth Reached	4008	Bottom Driller	1006	Maximum Temp.	104	Mud Nature	Water	Density	10.9	Viscosity	35	Resistivity	0	Casing Size & Weight	8 5/8" to 321	Open Hole	7 7/8" to 3950 1 3/4" to 3965; 6 3/4" TD	Fluid Level	145'	Recording Speed (ft. hr)	2000 & 4000	Sensitivity (up)	GR 140 N 80/400 GR	Time Constant	1.4	Penetration	GNP-B # 46	Opt. Rig Time	2 Hrs	Spindle Size & Type	3 5/8"	Truck No.	1762-HOBBS	Observer	Harold L.
RUN NO.																																																	
Date	11-19-55																																																
Depth Reference	K. 7' ADX. 61																																																
First Reading	400																																																
Last Reading	0																																																
Footage Measured	4007																																																
Max. Depth Reached	4008																																																
Bottom Driller	1006																																																
Maximum Temp.	104																																																
Mud Nature	Water																																																
Density	10.9																																																
Viscosity	35																																																
Resistivity	0																																																
Casing Size & Weight	8 5/8" to 321																																																
Open Hole	7 7/8" to 3950 1 3/4" to 3965; 6 3/4" TD																																																
Fluid Level	145'																																																
Recording Speed (ft. hr)	2000 & 4000																																																
Sensitivity (up)	GR 140 N 80/400 GR																																																
Time Constant	1.4																																																
Penetration	GNP-B # 46																																																
Opt. Rig Time	2 Hrs																																																
Spindle Size & Type	3 5/8"																																																
Truck No.	1762-HOBBS																																																
Observer	Harold L.																																																
REMARKS: Calibration 100, 170, 100, 100 100, 240, 100																																																	



VVELLO

COMPANY

Location of Well	COMPANY: GULF OIL CORP. WELL: WELL "A" NO. 4 2 FIELD: EMBROID COUNTY: LJA STATE: N KEX. LOCATION: 1340' FN & V LINES OF SECTION 31, T-28-S, R-36-E		COMPANY: GULF OIL CORP. WELL: WELL "A" NO. 4 FIELD: EMBROID COUNTY: LJA STATE: N KEX. LOCATION: 1340' FN & V LINES OF SECTION 31, T-28-S, R-36-E
G MEAS. FROM TOP KELLY DRIVE BUSHING	ELEV. 3595	ILLEGIBLE RECORDED BY: [illegible]	
LG. MEAS. FROM TOP KELLY DRIVE BUSHING	ELEV. 3595		
RM. DATUM - GROUND LEVEL	ELEV. 3582		
FL. OF LOG IN NO. 111 TOTAL DEPTH (DRILLER) STRAIN EFFECTIVE DEPTH (DRILLER) DE. OF LOGGED INTERVAL BOTTOM OF LOGGED INTERVAL IN. OF FLUID IN HOLE SURF. LEVEL MAXIMUM RECORDED TEMP. SURF. SOURCE STRENGTH & TYPE SOURCE STRENGTH - IN DEPTH OF MEASURING DEVICE - IN DE. OF DISPERIMENT - IN TIME CONSTANT - SECONDS LOGGING SPEED FT. MIN STATISTICAL VARIATION - IN INSISTENT REFERENCE LOGGED BY	QUANTA RAY ONE-MIN 11-9-55 3780 3780 SURFACE 3780 SURFACE 3780 600N 4.25 7.14 3 5/8" 20-40 274 SCHLUTTERBACK LOWE	NEWTON ONE-MIN 11-9-55 3780 3780 SURFACE 3780 SURFACE 3780 600N 4.25 7.14 3 5/8" 20-40 275 SCHLUTTERBACK LOWE	

CASING RECORD

ITEM	SIZE	CASING	WE. LB	FROM WELL RECORD	FROM R A LOG
ONE	12 1/4"	5 5/8"		SURFACE TO 337	SURFACE TO 333
ONE	8 3/4"	7"		SURFACE TO 3780	SURFACE TO 3785
ONE	6 3/8"			3780 TO 3800	3785 TO 3820
				TO	TO
				TO	TO

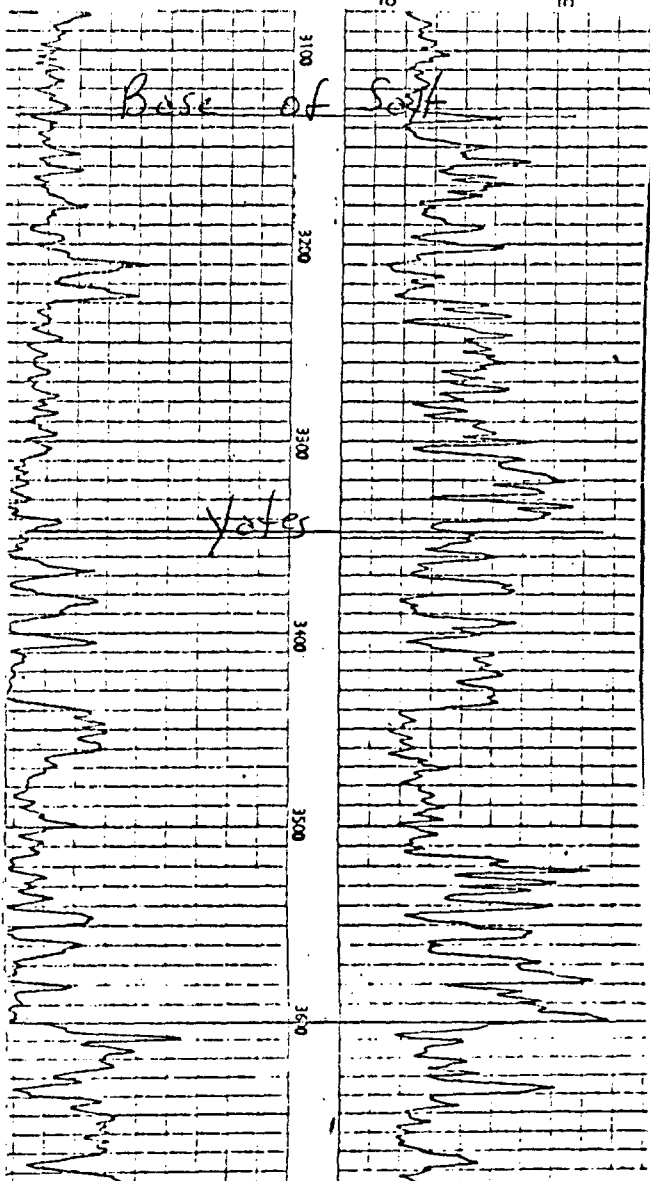
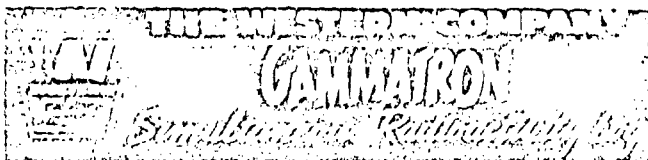


EXHIBIT NO. D-2



LOCATION	COMPANY: THE ATLANTIC REFINING CO.	WELL: SEAL FEDERAL # 1	FIELD: EUNICE MONUMENT	COUNTY: LEA	STATE: N.M.	LOCATION: 1981' FSL, 661' FWL, SEC. 34, T-20-S, R-36-E
FILE NO.	LOG NO 1557					
LOG MEAS. FROM	1' ABOVE B.T. ELEV.					
ORIG. MEAS. FROM	1' ABOVE B.T. ELEV.					
PERM DATUM	GROUND LEVEL ELEV. 3712					

RUN NO.	ONE	ONE
TYPE OF LOG	GRAP	GRAP
DATE	1-4-52	1-4-52
TOTAL DEPTH (OPERATOR)	4058	4058
EFFECTIVE DEPTH (OPERATOR)	4058	4058
EFFECTIVE DEPTH (WESTERN)	4059	4059
TOP OF LOGGED INTERVAL	5058	5058
BOTTOM OF LOGGED INTERVAL	4059	4058
TYPE OF FLUID IN HOLE	SALT WATER	SALT WATER
FLUID LEVEL	FULL	FULL
NEUTRON SOURCE TYPE	600K	600K
SOURCE SPACING IN.	3.75	3.75
LENGTH OF DETECTOR IN.	30.0	30.0
O.D. OF INSTRUMENT IN.	3 5/8	3 5/8
TIME CONSTANT SEC.	3.0	3.75
LOGGING SPEED FT/MIN	20-35	20-35
STATISTICAL VARIATION IN.	1	1.5
SENSITIVITY DIFFERENCE	276	275
RECORDED BY	ALVIN KETH-GEQ. H. KINZRY	
WITNESSED BY	SEL. HOLLAND	

CASING RECORD

RUN NO.	BIT SIZE	CASING	WT. LB.	FROM WELL RECORD	FROM RA 100
ONE	9 5/8			TO 10	TO 10
ONE				TO 10	TO 10
				TO 10	TO 10
				TO 10	TO 10
				TO 10	TO 10

REMARKS

INST. # 4050-1102

ILLEGIBLE

GAMMA RAY

NEUTRON

RADIATION INTENSITY INCREASES

RADIATION INTENSITY INCREASES

Base of Salt

Yates

EXHIBIT NO. D-3

West Texas Electrical Log Service
1305 Commerce Street
Dallas 3, Texas

REFERENCE N° W4689 -D

SCHLUMBERGER WELL STRIPPING CORPORATION	
COUNTY LEA FIELD or LOCATION W. EUNICE WELL L.W. WHITE # 1 COMPANY Amerada Petr. Corp.	COMPANY AMERADA PETR. CORP.
	WELL L.W. WHITE # 1
	FIELD W. EUNICE LOCATION SEC. 34-30S-36E
	COUNTY LEA STATE NEW MEXICO
Location of Well 660' ± SSE/L Sec. 34-20S-36E ES-GRL (ML) Elevation D.F. 3576 K.G. or G.L. FILING No.	
RUN No. 7-1-54 Date 3-3-54 First Reading 340 Last Reading 340 Feet Measured 3592 Cig. Schlum. 340 Cig. Driller 339 Depth Reached 3935 Bottom Driller 3935 Depth Datum RDB 12' ADV. GL Mud Mat. Soft Gd Density 11.1 Viscosity 30 Resist. 045085 F Res. BHT 0384100 F pH 6.0 Wtr. Loss 15 cc 30 min Max. Temp. 100 Bit size 8 3/4" Spgs. AM 10" AO 32" LS 19" Opr. Rig Time 3 Hrs. Truck No. 1762-HOBBS Recorded By R. J. JOHNS Witness By T. JOHNS	
REMARKS Set to drillers 30 at operators request. SWS to 3935 THIS IS NOT A COMPLETE REPRODUCTION OF THE ORIGINAL LOG	

ILLEGIBLE

SCHLUMBERGER WELL SURVEYING CORPORATION			
 SCHLUMBERGER		<i>Accuracy & Reliability</i>	
COUNTY _____	LOCATION _____	COMPANY L. E. ELLIOTT	Location of Well 330' T N&E Sec. 24-30S-36E
COUNTY LEA	FIELD or WELL Elliott State # 1	WELL _____	
		WELL ELLIOTT STATE # 1	
		FIELD _____	
		LOCATION SEC. 24-30S-36E	
		COUNTY LEA	Elevation D.F. 3579 K.B. 3580 or G.I. 3573
		STATE NEW MEXICO	FILING No. _____

RUN NO.	J	F
Date	11-19-55	
Depth Reference	KR 1 ADX GL	
First Reading	4007	
Last Reading	0	
Footage Measured	4007	
Max. Depth Reached	4008	
Bottom Driller	4006	
Maximum Temp., °F.	104	
Mud Nature	water	
" Density	10.9	
" Viscosity	35	
" Emulsivity		
Casing Size & Weight	8 5/8" to 321	
Open Hole	7 7/8" to 3950	
	7 3/4" to 3965; 6 3/4"-TD	
Fluid Level	145'	
Recording Speed (ft./hr.)	2000 & 4000	
Sensitivity Top	GRI 140 N 280/400 GRJ	N)
Time Constant	1.4	1.4-2
Paper	GNI-B # 46	
Core Run Time	2 Hr 5	
Spindle Size & Type	3 S/S	
Truck No.	1702-HOBBS	
Operator	Hawes	

REMARKS: CASPATION	DIPLOMA	CALCULATION
_____	_____	_____
_____	_____	_____
_____	_____	_____

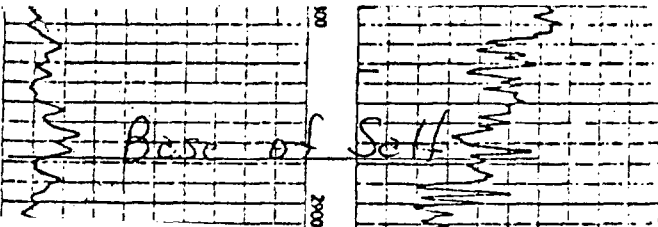
ILLEGIBLE

LANE RADIOACTIVITY LOG WELLS COMPANY

Location of Well	COMPANY: THE BAY PET. CORP.		WELL: FEDERAL NO. 3	FIELD: SOUTHWEST MONUMENT	COUNTY: LEA	STATE: N.MEX.
	WELL: FEDERAL NO. 3					
	FIELD: SOUTHWEST MONUMENT					
	COUNTY: LEA					
	STATE: N.MEX.					
	LOCATION: 644' FN & W LINES OF SEC. 35, T-20-S, R-36-E					
LOG MEAS. FROM	ROTARY TABLE	ELEV. 3586				
DALG. MEAS. FROM	ROTARY TABLE	ELEV. 3586				
PERM. DATUM	GROUND LEVEL	ELEV. 3575				

TYPE OF LOG	DALG. RAY	NEUTRON	RECORDED BY
RUN NO.	ONE-NW	ONE-NW	
DATE	12-28-54	12-28-54	
TOTAL DEPTH (DRILLER) - FEET	4067	4067	
EFFECTIVE DEPTH (DRILLER)	4018	4018	
TOP OF LOGGED INTERVAL	11,00	11,00	
BOTTOM OF LOGGED INTERVAL	4067.5	4067.5	
TYPE OF FLUID IN HOLE	OIL	OIL	
FLUID LEVEL	FULL	FULL	
MAXIMUM RECORDED TEMP.		600H	
NEUTRON SOURCE STRENGTH & TYPE		5.25	
SOURCE SPACING - IN.	36"	9"	
LENGTH OF MEASURING DEVICE - IN.	3 5/8"	3 5/8"	
O.D. OF INSTRUMENT - IN.	5.0	3.0	
TIME CONSTANT - SECONDS	20	20	
LOGGING SPEED FT. MIN.			
STATISTICAL VARIATION - IN.			
SENSITIVITY REFERENCE	274	275	
RECORDED BY	MURST	MURST	
WITNESSED BY	COFFEY	COFFEY	

CASING RECORD			
RUN NO.	ONE	DATE	12-28-54
BIT SIZE	7 7/8"	CASING	5 1/2"
WT. - LB	15.5	FROM WELL RECORD	10
		SURFACE TO LOG	10
			10
			10



ILLEGIBLE

EXHIBIT J

Compensated Neutron
Gamma Ray

COMPANY		ZIA ENERGY CORP.	
WELL		ELLIS FEDERAL NO. 1	
FIELD		EUREKA	
COUNTY		STA. STATE NEW MEXICO	
LOCATION		3101 ST. & 3301 ELL	
SEC. 11		TWP. 20 S. RGE. 36 E.	
ELEVATION		3552	
FL. ABOVE PERMANENT DATUM OF		CL. 3552	
OTHER SERVICES			

FOLD HERE

Remarks		Equipment Used	
CASING COLLARS RECORDED 12" DEEP.		Serial No. 4413 1326 355	
RAN NEUTRON DECENTRALIZED.		Run No. J.E. J.E. J.E.	
		S.O. 35534 35534 35534	
		Tool No. 35912 31944 3	
		Elec. No. -	
		Panel No. 2315 32534 32535	

Gamma Ray		Equipment Data		Compensated Neutron	
Run No.	ONE	Run No.	J.E.		
Tool Model No.	1306	Log Type	5/7T		
Diam.	3 5/8"	Tool Model No.	2413		
Detect. Model No.	DE64	Serial No.	30919		
Type	SCIT.T.	Diam.	3 5/8"		
Length	6"	Detect. Model SS	0683		
Dist. to N. Source	6"	Detect. Model LS	0683		
Computer Data		Source Model No.	51752051		
		Serial No.	34354		
		Type	AM EE		

Logging Data															
General				Compensated Neutron				Gamma Ray							
Run No.	From	To	Speed	T.C.	Sens.	SS	LS	Zero	Units/Div	Scale	T.C.	Sens.	Zero	Div L or R	API G.R.
1	3276	2220	REC.	1	1	150	153	16.5	24	SC-C	-	223	6		10

GAMMA RAY & CALIPER		DEPTH	POROSITY %
10 API/CD API UNITS		100	
HOLE SIZE - INCHES		16	
		2570'	LIMESTONE COMPENSATED NEUTRON POROSITY

