

Compensated Neutro

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1990

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Elevations

Permanente Datum 64

Elev 3405

KW

Log Measured from

Ft Above Permanent Datum

10F

Origin: Meas. Lead from

GL 5405

2-29

RUN
 20720

_____ SN-GR

Page 2 of 4 3529

3926

3234

Santa

Water

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG). The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG).

[illegible]

1. The first step is to identify the problem. In this case, the problem is that the company is not meeting its sales targets. The second step is to analyze the data. The third step is to develop a plan. The fourth step is to implement the plan. The fifth step is to evaluate the results.

Page 3 of 5

Group No. and Location	42 6124 Hobbs
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Recorded By Clements

Waterford By Nelson

Field	Birth Date	Casing Record
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No	Lot	From	To	Size	Wgt	From	To
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1	434	3927	3930	5 1/2	3430	5 1/2
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1

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Figure 1 is a schematic representation of the experimental design. It is divided into two main sections: 'Pretest' and 'Main Experiment'. The 'Pretest' section includes a 'Pretest' box with a 'Pretest' label and a 'Pretest' box with a 'Pretest' label. The 'Main Experiment' section includes a 'Main Experiment' box with a 'Main Experiment' label and a 'Main Experiment' box with a 'Main Experiment' label.

[illegible]

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ILLEGIBLE

Schlumberger

SIMULTANEOUS

**COMPENSATED NEUTRON-
FORMATION DENSITY**

LEA COUNTY FIELD LOCATION WELL COMPANY	UNDESIGNATED FEDERAL #1 ZIA ENERGY INC	COMPANY <u>ZIA ENERGY INC</u>				
		WELL <u>FEDERAL #1</u>				
		FIELD <u>UNDESIGNATED</u>				
		COUNTY <u>LEA</u> STATE <u>NEW MEXICO</u>				
LOCATION		<u>2310' FSL & 2310' FWL</u>			Other Services:	
API SERIAL NO.		SEC	TWP.	RANGE	DLL/MSFL BHC CYBERLOOK	
		<u>17</u>	<u>22-S</u>	<u>37-E</u>		
Permanent Datum: <u>G.L.</u> ; Elev.: <u>3382</u>						Elev.: K.B. <u>3394</u>
Log Measured From <u>K.B.</u> <u>12</u> Ft. Above Perm. Datum						D.F. <u>3382</u>
Drilling Measured From <u>K.B.</u>						G.L. <u>3382</u>
Date	<u>5-23/24-79</u>					
Run No.	<u>ONE</u>					
Depth-Driller	<u>4300</u>					
Depth-Logger	<u>4310</u>					
Btm. Log Interval	<u>4309</u>					
Top Log Interval	<u>SURF</u>					
Casing-Driller	<u>8 5/8 @ 370</u>					@
Casing-Logger	<u>370</u>					@
Bit Size	<u>7 7/8</u>					
Type Fluid in Hole	<u>BRINE</u>					
Dens.	Visc.	<u>10.4</u> <u>38</u>				
pH	Fluid Loss	<u>10</u> ml				ml
Source of Sample	<u>PIT</u>					
Rm @ Meas. Temp.	<u>.054 @ 74</u> F					@ F
Rmf @ Meas. Temp.	<u>.041 @ 74</u> F					@ F
Rmc @ Meas. Temp.	<u>@</u> F					@ F
Source: Rmf	Rmc	<u>M</u>				
Rm @ BHT	<u>.04 @ 98</u> F					@ F
TIME	Circulation Stopped	<u>2100</u> <u>5-23</u>				
	Logger on Bottom	<u>0000</u> <u>5-24</u>				
Max. Rec. Temp.	<u>98</u> °F					°F
Equip.	Location	<u>8069</u> <u>HOBBS</u>				
Recorded By	<u>DENNIS</u>					
Witnessed By Mr.	<u>NELSON</u>					

3300

JRM 925218



Sidewall Neutron Gamma Ray

FILE NO.	COMPANY TEXAS PACIFIC OIL COMPANY	
	WELL ELLIOTT B-17 NO. 4	
	FIELD DRINKARD	
	COUNTY LEA	STATE NEW MEXICO
	LOCATION: 1980'FNL & 1980'FEL	
SEC 17 TWP 22-S RGE 37-E		Other Services L/L ML/L-C

Permanent Datum	GROUND LEVEL	Elev. 3391	Elevations: KB 3402 DF 3401 GL 3391
Log Measured from	K. B. 11	Ft. Above Permanent Datum	
Drilling Measured from	K. B.		

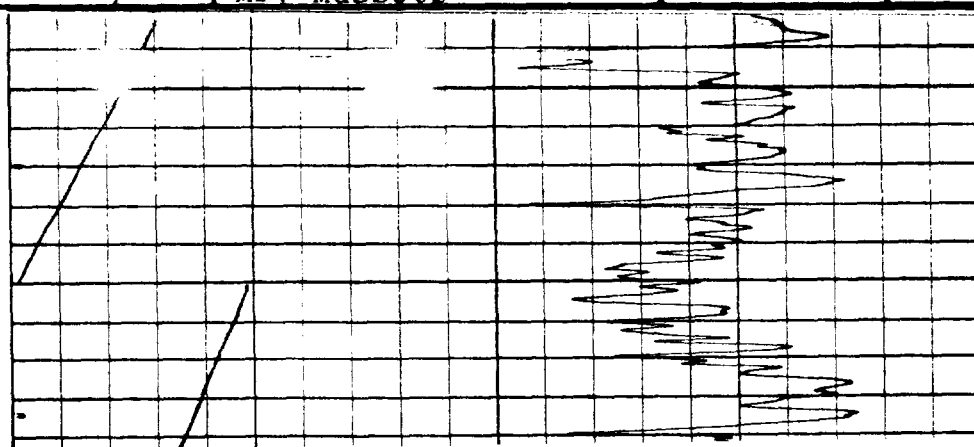
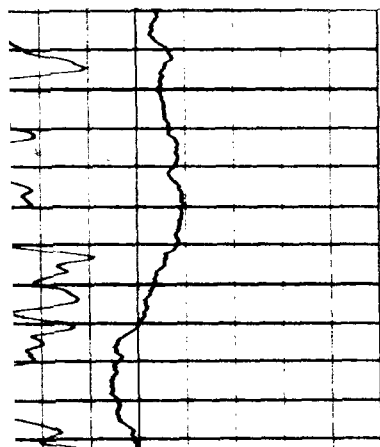
Date	2-28-74				
Run No.	ONE				
Depth—Driller	7443				
Depth—Logger	7431				
Bottom Logged Interval	7429				
Top Logged Interval	SURFACE				
Casing—Driller	8 5/8 @ 1100	@	@	@	
Casing—Logger	1094				
Bit Size	7 7/8"				
Type Fluid in Hole	BRINE				
Density and Viscosity	10.2 38				
pH and Fluid Loss	8 10.4 cc	cc	cc	cc	cc
Source of Sample	CIRCULATED				
Rm @ Meas. Temp.	.041 @ 78 °F	@ °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	.038 @ 75 °F	@ °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	- @ °F	@ °F	@ °F	@ °F	@ °F
Source of Rmf and Rmc	MEAS.				
Rm @ BHT	.028 @ 115 °F	@ °F	@ °F	@ °F	@ °F
Time Since Circ.	7 HOURS				
Max. Rec. Temp. Deg. F.	115 °F	°F	°F	°F	°F
Equip. No. and Location	6040 HOBBS				
Recorded By	MOEHRKE				



ACOUSTIC VELOCITY LOG

COMPANY Gulf Oil Corporation WELL R.E. Cole (NCT-A) # 9 FIELD Undesignated County Lea State N.M.	COMPANY <u>GULF OIL CORPORATION</u>				
	WELL <u>R. E. COLE (NCT-A) # 9</u>				
	FIELD <u>UNDESIGNATED</u>				
	COUNTY <u>LEA</u>		STATE <u>NEW MEXICO</u>		
	Location <u>1075' FSL 2395' FWL</u>		Other Services: <u>Guard</u> <u>FORXO</u> <u>FF MSG</u>		
Sec. <u>16</u> Twp <u>22-S</u> Rge <u>37-E</u>		Permanent Datum <u>Ground Level</u> Elev. <u>3384</u>		Elev.: K.B. <u>3396</u>	
Log Measured From <u>K. B. 12</u> Ft. Above Perm. Datum		Drilling Measured From <u>Kelly Bushing</u>		D.F. <u>3395</u>	
				G.I. <u>3384</u>	
Date	9-3-67				
Run No.	- One -				
Depth-Driller	7335				
Depth-Welex	7336				
Btm. Log Inter.	7330				
Top Log Inter.	10				
Casing-Driller	9-5/8" @ 1183	@	@	@	@
Casing-Welex					
Bit Size	8-3/4"				
Type Fluid in Hole	Mud				
Dens. Visc.	10.1136				
pH Fluid Loss	110 ml	ml	ml	ml	ml
Source of Sample	Circulated				
R. a Meas.Temp.	.05 @ 93°F	@ °F	@ °F	@ °F	@ °F
R. a Meas.Temp.	.045 @ 84°F	@ °F	@ °F	@ °F	@ °F
R. a Meas.Temp.	@ °F	@ °F	@ °F	@ °F	@ °F
Source R. R.	Measured				
R. a BHT	.04 @ 120°F	@ °F	@ °F	@ °F	@ °F
Time Since Circ					
Max. Rec. Temp.	120°F @ B.H.	°F @	°F @	°F @	°F @
Equip. Location	3003 Hobbs				
Recorded By	G. Ayres				
Witnessed By	Mr. Musset				

3300





COMPENSATED ACOUSTIC VELOCITY LOG

COMPANY <u>GULF OIL COMPANY - U. S.</u>	
WELL <u>R. E. COLE (NCT - A) = 14</u>	
FIELD <u>SOUTH McCORMACK</u>	
COUNTY <u>LEA</u> STATE <u>NEW MEXICO</u>	
Location <u>2310' FNL & 1650' FWL</u>	
Other Services:	
Sec. <u>16</u> Twp <u>22-S</u> Rge <u>37-E</u>	
Permanent Datum <u>Ground Level</u> Elev. <u>3396'</u>	
Log Measured From <u>K. B. - 11</u> Ft. Above Perm. Datum	
Drilling Measured From <u>Kelly Bushing</u>	
Elev.: K.B. <u>3407'</u>	
D.F. <u>3406'</u>	
G.L. <u>3396'</u>	
Date	<u>8/26/71</u>
Run No.	<u>- One -</u>
Depth-Driller	<u>7402</u>
Depth-Welex	<u>7402</u>
Btm. Log Inter.	<u>7396</u>
Top Log Inter.	<u>Surface</u>
Casing-Driller	<u>8-5/8" @ 1156'</u>
Casing-Welex	<u>7-7/8" @ 1156'</u>
Bit Size	<u>7-7/8"</u>
Type Fluid in Hole	<u>Mud</u>
Dens. Visc.	<u>10.1 40</u>
pH Fluid Loss	<u>116.2 ml</u>
Source of Sample	<u>Circulated</u>
R _{int} @ Meas.Temp.	<u>@ °F</u>
R _{int} @ Meas.Temp.	<u>@ °F</u>
R _{int} @ Meas.Temp.	<u>@ °F</u>
Source R _{int} R _{int}	<u> </u>
R _{int} @ BHT	<u>@ °F</u>
Time Since Circ.	<u>°F @</u>
Max. Rec. Temp.	<u>°F @</u>
Equip. Location	<u>8443 Hobbs</u>
Recorded By	<u>J.S. Cauble</u>
Witnessed By	<u>Mr. Poltz</u>

Schlumberger

**SIMULTANEOUS
COMPENSATED NEUTRON-
FORMATION DENSITY**

COMPANY GULF ENERGY & MINERALS COMPANY-US

WELL R.E. COLE (NCT-A) #16

FIELD DRINKARD

COUNTY LEA STATE NEW MEXICO

LOCATION 1980' FNL & 1980' FEL

Other Services:
NONE

API SERIAL NO	SEC	TWP	RANGE
	<u>16</u>	<u>22-S</u>	<u>37-E</u>

Permanent Datum: G.L.; Elev.: 3409
 Log Measured From K.B., 10 Ft. Above Perm. Datum
 Drilling Measured From K.B.

Elev.: K.B. 3419
 D.F. 3409
 G.L. 3409

Date	<u>8-8-76</u>					
Run No.	<u>ONE</u>					
Depth-Driller	<u>6650</u>					
Depth-Logger	<u>6650</u>					
Btm. Log Interval	<u>6649</u>					
Top Log Interval	<u>0</u>					
Casing-Driller	<u>8 5/8 @ 1180</u>			<u>@</u>	<u>@</u>	<u>@</u>
Casing-Logger	<u>1182</u>					
Bit Size	<u>7 7/8</u>					
Type Fluid in Hole	<u>BRINE WATER</u>					
Dens.	<u>10.1</u>	<u>30</u>				
Visc.						
pH	<u>9</u>	<u>NC ml</u>		<u>ml</u>		<u>ml</u>
Fluid Loss						
Source of Sample	<u>CIRCULATED</u>					
Rm @ Meas. Temp.	<u>.045 @ 80</u>	<u>F</u>	<u>@</u>	<u>F</u>	<u>@</u>	<u>F</u>
Rmf @ Meas. Temp.	<u>.045 @ 80</u>	<u>F</u>	<u>@</u>	<u>F</u>	<u>@</u>	<u>F</u>
Rmc @ Meas. Temp.	<u>.068 @ 80</u>	<u>F</u>	<u>@</u>	<u>F</u>	<u>@</u>	<u>F</u>
Source: Rmf	<u>M</u>	<u>C</u>				
Rmc						
Rm @ BHT	<u>.031 @ 118</u>	<u>F</u>	<u>@</u>	<u>F</u>	<u>@</u>	<u>F</u>
Circulation Stopped	<u>0700</u>					
Logger on Bottom	<u>1115</u>					

500

SIMULTANEOUS

Schlumberger

COMPENSATED NEUTRON-
FORMATION DENSITY

COMPANY ANADARKO PRODUCTION COMPANY

WELL WALDEN #11

FIELD SOUTH EUNICE

COUNTY LEA STATE NEW MEXICO

Location: 660' FWL & 990' FSL,

Other Services:

BHC, MLL
DLL

Sec. 15 Twp. 22-S Rge. 37-E

Permanent Datum: G.L. ; Elev.: 3397
 Log Measured From K.B. 11 Ft. Above Perm. Datum
 Drilling Measured From K.B.

Elev.: K.B. 3408
 D.F. 3407
 G.L. 3397

Date	12-12-73					
Run No.	ONE					
Depth-Driller	4600					
Depth-Logger	4592					
Btm. Log Interval	4583					
Top Log Interval	0					
Casing-Driller	8 5/8 @ 357		@	@	@	
Casing-Logger	352					
Bit Size	7 7/8					
Type Fluid in Hole	SALT MUD					
Fluid Level	FULL					
Dens.	10	41				
pH	Fluid Los	7.8 ml	ml	ml	ml	ml
Source of Sample	CIRC					
Rm (a) Meas. Temp.	.052 @ 75 F	@ F	@ F	@ F	@ F	
Rmf (a) Meas. Temp.	.049 @ 74 F	@ F	@ F	@ F	@ F	
Rmc (a) Meas. Temp.	.078 @ 75 F	@ F	@ F	@ F	@ F	
Source: Rmf Rmc	M C					
Rm @ BHT	@ 93 F	@ F	@ F	@ F	@ F	
Time Since Circ	7 HOURS					
Max Rec Temp	93 F	F	F	F	F	
Log Location	7615 HOBBS					

SCHLUMBERGER**SONIC LOG**SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY <u>LEA</u> FIELD or LOCATION <u>DRINKARD</u> WELL <u>GRIZZELL # 9</u> COMPANY <u>SHELL OIL COMPANY</u>	COMPANY <u>SHELL OIL COMPANY</u>	Other Surveys <u>LL, MLL, MOP</u>
	WELL <u>GRIZZELL # 9</u>	Location of Well <u>810' FROM S/L</u> <u>1980' FROM E/L</u>
	FIELD <u>DRINKARD</u>	
	LOCATION <u>SEC. 8-22S-37E</u>	
	COUNTY <u>LEA</u>	Elevation: K.B.: D.F.: <u>3412</u> or G.L.: <u>3403</u>
	STATE <u>NEW MEXICO</u>	

Log Depths Measured From DF 9 Ft. above GL

RUN No.	ONE		
Date	7-10-63		
First Reading	6532		
Last Reading	0		
Feet Measured	6532		
Csg. Schlum.	-		
Csg. Driller	275		
Depth Reached	6536		
Bottom Driller	6542		
Mud Nat.	SALT GEL, STARCH, OIL		
Dens.	9.8	43	
Visc.			
Mud Resist.	.056 @ 86 °F	@ °F	@ °F
" Res. BHT	.045 @ 109 °F	@ °F	@ °F
" pH	5.5 @ °F	@ °F	@ °F
" Wtr. Loss	24.4 CC 30 min	CC 30 min	CC 30 min
" Rmf	.038 @ 85 °F	@ °F	@ °F
Bit Size	7 7/8"		
Spacing:			
T <u>3</u> R ₁ <u>1</u> R ₂	6532 To CSG	To	To
T <u> </u> R ₁ <u> </u> R ₂	To	To	To
Opr. Rig Time	3 1/2 HOURS		
Truck No.	3701-HOBBS		
Recorded By	BROWN		
Witness	ALEXANDER		

3300

FOLD HERE

WELEX



RADIOACTIVITY LOG

COMPANY TEXACO INCORPORATED

WELL C. P. FALBY "B" = 4
FIELD PENROSE SKELLY
County LEA
State NEW MEXICO
File

COMPANY TEXACO INCORPORATED

WELL C. P. FALBY "B" = 4

FIELD PENROSE SKELLY

COUNTY LEA STATE NEW MEXICO

Location

1980' FSL 660' FWL
SEC. 8 TWP. 22-S
RGE. 37-E

Other Logs

Sec. Twp Rge

Elevation

KB. 3423

DF. 3422

GL. 3412

Permanent Datum GROUND LEVEL Elev. 3412

Log Measured From KELLY BUSHING

Drilling Measured From KELLY BUSHING

Type Log	GAMMA	N. GAMMA	
Run No.	- 1 -	- 1 -	
Date	10-25-60	10-25-60	
Total Depth Driller	6550	6550	
Present Depth Driller	6550	6550	
Total Depth Welex	6557	6557	
Survey Begins	6557	6557	
Survey Ends	SURF	SURF	
Mud Data	- WATER BASE -		
Type Fluid in Hole	MUD	MUD	
Salinity PPM Cl	175,000	175,000	
Weight lb./gal.	10.2	10.2	
Fluid Level	235	235	
Max. Hole Temp.	113	113	
Recorded By	J. G. GREER		
Witnessed By	MR. LIPSCOMBE		

BORE HOLE RECORD

CASING RECORD

Run	Bit	From	To	Size	Wgt.	From	To
	15"	0	-	10-3/4"		0	-
	9-7/8"	-	3900	7-7/8"		0	3900
	6-3/4"	3900	6550				

CURRENT	YR-TO-CATE	PREV-YR-OTR	WONTH	CURR-YR-OTR	YR-TO-CATE	PREV-YR-OTR	WONTH	CURR-YR-OTR	YR-TO-CATE
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15	15	15
16	16	16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17	17	17
18	18	18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19	19	19
20	20	20	20	20	20	20	20	20	20
21	21	21	21	21	21	21	21	21	21
22	22	22	22	22	22	22	22	22	22
23	23	23	23	23	23	23	23	23	23
24	24	24	24	24	24	24	24	24	24
25	25	25	25	25	25	25	25	25	25
26	26	26	26	26	26	26	26	26	26
27	27	27	27	27	27	27	27	27	27
28	28	28	28	28	28	28	28	28	28
29	29	29	29	29	29	29	29	29	29
30	30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31	31
32	32	32	32	32	32	32	32	32	32
33	33	33	33	33	33	33	33	33	33
34	34	34	34	34	34	34	34	34	34
35	35	35	35	35	35	35	35	35	35
36	36	36	36	36	36	36	36	36	36
37	37	37	37	37	37	37	37	37	37
38	38	38	38	38	38	38	38	38	38
39	39	39	39	39	39	39	39	39	39
40	40	40	40	40	40	40	40	40	40
41	41	41	41	41	41	41	41	41	41
42	42	42	42	42	42	42	42	42	42
43	43	43	43	43	43	43	43	43	43
44	44	44	44	44	44	44	44	44	44
45	45	45	45	45	45	45	45	45	45
46	46	46	46	46	46	46	46	46	46
47	47	47	47	47	47</				

DESCRIPTION	COMPLETIONS - OIL	GAS	TOTAL ACTIVE COMPLETIONS	COMPL
	INACTIVE			
SERVICE HELLS -				
			ACTIVE	
			INACTIVE	

INACTIVE	TOTAL ACTIONS	COMPL
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
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22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
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41	41	41
42	42	42
43	43	43
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90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

SERVICE HELLS - ACTIVE		INACTIVE	
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

GROSS SALES VOLUMES - LIQ (BBL)		GROSS SALES VOLUMES - LIQ (MCF)	
1980	1,200	1,200	1,200
1981	1,300	1,300	1,300
1982	1,400	1,400	1,400
1983	1,500	1,500	1,500
1984	1,600	1,600	1,600
1985	1,700	1,700	1,700
1986	1,800	1,800	1,800
1987	1,900	1,900	1,900
1988	2,000	2,000	2,000
1989	2,100	2,100	2,100
1990	2,200	2,200	2,200
1991	2,300	2,300	2,300
1992	2,400	2,400	2,400
1993	2,500	2,500	2,500
1994	2,600	2,600	2,600
1995	2,700	2,700	2,700
1996	2,800	2,800	2,800
1997	2,900	2,900	2,900
1998	3,000	3,000	3,000
1999	3,100	3,100	3,100
2000	3,200	3,200	3,200
2001	3,300	3,300	3,300
2002	3,400	3,400	3,400
2003	3,500	3,500	3,500
2004	3,600	3,600	3,600
2005	3,700	3,700	3,700
2006	3,800	3,800	3,800
2007	3,900	3,900	3,900
2008	4,000	4,000	4,000
2009	4,100	4,100	4,100
2010	4,200	4,200	4,200
2011	4,300	4,300	4,300
2012	4,400	4,400	4,400
2013	4,500	4,500	4,500
2014	4,600	4,600	4,600
2015	4,700	4,700	4,700
2016	4,800	4,800	4,800
2017	4,900	4,900	4,900
2018	5,000	5,000	5,000
2019	5,100	5,100	5,100
2020	5,200	5,200	5,200
2021	5,300	5,300	5,300
2022	5,400	5,400	5,400
2023	5,500	5,500	5,500
2024	5,600	5,600	5,600
2025	5,700	5,700	5,700
2026	5,800	5,800	5,800
2027	5,900	5,900	5,900
2028	6,000	6,000	6,000
2029	6,100	6,100	6,100
2030	6,200	6,200	6,200
2031	6,300	6,300	6,300
2032	6,400	6,400	6,400
2033	6,500	6,500	6,500
2034	6,600	6,600	6,600
2035	6,700	6,700	6,700
2036	6,800	6,800	6,800
2037	6,900	6,900	6,900
2038	7,000	7,000	7,000
2039	7,100	7,100	7,100
2040	7,200	7,200	7,200
2041	7,300	7,300	7,300
2042	7,400	7,400	7,400
2043	7,500	7,500	7,500
2044	7,600	7,600	7,600
2045	7,700	7,700	7,700
2046	7,800	7,800	7,800
2047	7,900	7,900	7,900
2048	8,000	8,000	8,000
2049	8,100	8,100	8,100
2050	8,200	8,200	8,200
2051	8,300	8,300	8,300
2052	8,400	8,400	8,400
2053	8,500	8,500	8,500
2054	8,600	8,600	8,600
2055	8,700	8,700	8,700
2056	8,800	8,800	8,800
2057	8,900	8,900	8,900
2058	9,000	9,000	9,000
2059	9,100	9,100	9,100
2060	9,200	9,2	

NET SALES - 017/COAD (SEL) (HCH) (HCH) STG

VALUE - OIL/COND	12.5
GAS	1.5
OTHER INCOME	1.5
TOTAL INCOME	15.5

CSO2G - SUPPLY STOCK CONTROLLABLE EXPENSE - 50505

[illegible]

7-101 CONTROLLED EXPENSES

~~NON-CONTROLLABLE EXPENSE - GROSS~~

OWNERS PAID TO OUTSIDE OPERATORS
WIRE INCOME

TOTAL NOV-CONTR EXPS - GROSS

JOINT OWNERS PORTION

NET EXPENSES

JOINT OPERATIONS BY OTHERS
FACILITY CHARGE
PRODUCTION & SEVERANCE TAX
AD VALOREM TAX

TOTAL NET EXPENSE

OVERHEAD EXPENSE

TOTAL APC EXPENSE

APC CASH FLOW - NET

COMPANY	GROSS USE OR FACILITY \$	EXPENSE
	AVG SALES PRICE/BBL	/MCF
1		
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CONTE EXP/CONPL IGRGSA
APC CONTE EXP/S INCOME
TOTAL APC EXP/S INCOME

APC GROSS INVESTMENT
ANNUALIZED CASH FLOW/INVESTMENT

ZIA ENERGY, INC.

Tabulation of Wells That Penetrated San Andres Prior to April 20, 1977

Company	Lease	Well No.	Unit Letter	S-T-R	Completion Date	Total Depth	Completion Interval	Reported TSA	Remarks
Gulf Oil Corp.	S.P.S.U.	220	O	5-22-37	5/15/75	3900'	Shut-in	3837'	SA tstd non-comm
Morris Antweil	Shell "G"	1	P	8-22-37	1/5/70	7424'	D & A	3984'	Drilled & aband
Amoco	Grizzell "B"	1	G	8-22-37	4/28/69	6580'	5498'-5907'		
Texaco	Falby "A"	1	C	8-22-37	6/23/75	6570'	5508'-5840'		
Texaco	Falby "A"	3	F	8-22-37	7/17/71	6558'	5532'-5939'		
Texaco	Falby "A"	4	E	8-22-37	6/10/61	6555'	6455'-6518'	3980'	
Texaco	Falby "B"	1	K	8-22-37	7/4/62	6549'	6490'-6538'		
Texaco	Falby "B"	4	L	8-22-37	11/25/60	6550'	6484'-6536'	3978'	
Shell	Grizzell	7	J	8-22-37	8/28/52	6537'	6450'-6515'		
Shell	Grizzell	8	P	8-22-37	9/30/52	6513'	6420'-6500'		
Shell	Grizzell	9	O	8-22-37	7/27/63	6575'	6459'-6509'		
Yarborough	Grizzell	1	B	8-22-37	4/28/50	6576'	6425'-6560'		
Gulf Oil Corp.	S.P.S.U.	262	P	8-22-37	6/2/75	3900'	Shut-in	3820'	SA tstd non-comm
Stoltz, Wagner & Brown	Greenwood	1	M	9-22-37	2/28/71	7335'	D & A	3816'	Drilled & aband
Anadarko Production Co.	Walden	11	M	15-22-37	2/3/74	4600'	3735'-3885'	3905'	SA tstd 100% wtr
Depco, Inc.	Gulf State	1	C	16-22-37	4/26/59	6602'	5492'-5522'	3830'	
Gulf Oil Corp.	R. E. Cole	5	I	16-22-37	10/30/47	8066'	7941'-8066'		
Gulf Oil Corp.	R. E. Cole	7	H	16-22-37	4/3/48	8042'	7865'-8042'		
Gulf Oil Corp.	R. E. Cole	8	K	16-22-37	6/15/67	7302'	7186'-7210'	3984' ?	
Gulf Oil Corp.	R. E. Cole	9	N	16-22-37	10/11/67	7335'	6770'-6887'	4006'	
Gulf Oil Corp.	R. E. Cole	10	E	16-22-37	7/25/67	7383'	7312'-7325'	4013'	
Gulf Oil Corp.	R. E. Cole	11	J	16-22-37	2/1/68	7260'	7204'-7229'	3986'	
Gulf Oil Corp.	R. E. Cole	12	D	16-22-37	4/29/68	7350'	7134'-7216'	3997'	
Gulf Oil Corp.	R. E. Cole	13	O	16-22-37	3/30/69	7340'	7120'-7204'	3994'	
Gulf Oil Corp.	R. E. Cole	14	F	16-22-37	9/1/71	7402'	7127'-7336'	4011'	
Gulf Oil Corp.	R. E. Cole	15	L	16-22-37	8/14/74	6700'	6398'-6572'	4010'	
Gulf Oil Corp.	R. E. Cole	16	G	16-22-37	8/20/76	6650'	6338'-6602'		
Gulf Oil Corp.	R. E. Cole	17	P	16-22-37	1/17/77	7338'	6308'-6517'	3988'	
Amerada Hess	State "P"	3	B	17-22-37	3/11/76	6650'	6470'-6533'	3840'	
ARCO	Christmas	4	I	17-22-37	7/11/73	6650'	6370'-6637'	3885'	
Bettis, Boyle & Stovall	Patsy "B"	2	N	17-22-37	1/20/72	4030'	3480'-3778'	3906'	SA tstd all water
Campbell & Hedrick	Christmas	1	J	17-22-37	2/4/46	6550'	Drilled & abandoned		
Conoco	Elliott	1	K	17-22-37	6/12/35	4075'	Drilled & abandoned		
Conoco	Elliott	2	A	17-22-37	12/1/74	6650'	6396'-6507'		
John Hendrix Corp.	Morning Glory	1	H	17-22-37	10/24/74	6600'	6357'-6479'	3906'	
Texas Pacific Oil Co.	Elliott State	1	F	17-22-37	9/24/74	6700'	Drilled & aband SA DST--no free oil		
Texas Pacific Oil Co.	Elliott B-17	3	C	17-22-37	11/29/62	6577'	6465'-6529'		
Texas Pacific Oil Co.	Elliott B-17	4	G	17-22-37	3/31/74	7442'	6378'-6484'	3925'	
Zia Energy, Inc.	Federal	1	K	17-22-37	7/16/79	4310'	2652'-3614'	3823'	SA tstd 100% water
Millard Deck	Patsy "B"	1	C	20-22-37	7/28/71	4412'	3451'-3757'	3845'	SA tstd 100% water

Tabulation of Wells That Penetrated San Andres Prior to April 20, 1977 - Continued

Company	Lease	Well No.	Unit Letter	S-T-R	Completion		Total Depth	Completion Interval	Reported TSA	Remarks
					Date					
Gulf Oil Corp.	Mattern	14	C	7-22-37	8/23/75		6488'-6644'		3895'	
Gulf Oil Corp.	Mattern	15	D	7-22-37	9/4/75		6516'-6658'		3899'	
Gulf Oil Corp.	Mattern	16	E	7-22-37	9/15/75		6510'-6670'			
Conoco	Elliott "B"	6	J	6-22-37	5/21/74		6595'-6710'			
Getty	Grizzell	2	G	6-22-37	8/3/78		6558'-6682'		3963'	
Gulf Oil Corp.	Mattern	8	E	6-22-37	5/24/76		6520'-6668'			
Gulf Oil Corp.	Mattern	9	D	6-22-37	10/7/74		6433'-6675'			
Gulf Oil Corp.	Mattern	10	C	6-22-37	5/28/75		6456'-6700'			
Gulf Oil Corp.	Mattern	11	F	6-22-37	6/8/75		6506'-6643'			
Gulf Oil Corp.	Mattern	12	K	6-22-37	7/17/75		6548'-6657'		3908'	
Gulf Oil Corp.	Mattern	13	N	6-22-37	8/2/75		6484'-6660'		3900'	
Martindale	Pan Cand	1	M	6-22-37	12/22/76		6462'-6654'		3898'	
Shell	State "D"	1	O	36-21-36	10/10/63		D & A			
Amoco	Grizzell	5	L	5-22-37	5/29/79		6458'-6644'		3851'	DST SA 112 MCFPD -- some free oil