

WELL REPORT  
TESORO PETROLEUM CORPORATION  
STATE "B" #86  
MCKINLEY COUNTY, NEW MEXICO

Sec 36-18-9

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CPG 914

May 8, 1974



WELL REPORT  
TESORO PETROLEUM CORPORATION: STATE "B" #86  
MCKINLEY COUNTY, NEW MEXICO

LOCATION

2970' from the south line and 1650' from the east line of Section 36,  
Township 18 North, Range 9 West, NMPM.

ELEVATION

7144' Gr.: 7155' KB

CONTRACTOR

Aztec Well Servicing Company, Rig #50: Toolpusher - Don Lockhart

SPUD AND COMPLETION DATA

Well Commenced: May 1, 1974  
Date Drilling Completed: May 6, 1974  
Total Depth - 2925' Driller: 2918' Logger

CASING

8 5/8" @ 146' w/100 sacks

ELECTRICAL SURVEYS

Schlumberger - Induction Electrical Log: 152' to 2917'  
Schlumberger - Sonic Log: 450' to 900': 1700' to 2908'  
Schlumberger - Formation Density Log: 500' to 900': 1700' to 2917'

FORMATION TOPS

<u>Cretaceous</u>	<u>Depth</u>	<u>Sea Level</u> <u>Datum</u>	<u>Thickness</u>
Menefee	Surface	+7155	568'
Point Lookout	568'	+6587	320'
Upper Mancos	888'	+6267	264'
Hosta	1152'	+6003	502'
Gallup	1654'	+5501	161'
Hospah Gallup	1815'	+5340	58'
Massive Gallup	1873'	+5282	109'
Lower Mancos	1982'	+5173	304'
Sanastee	2286'	+4869	356'
Greenhorn	2642'	+4513	34'
Graneros	2676'	+4479	58'

# FORMATION TOPS - CONTINUED

<u>Cretaceous</u>	<u>Depth</u>	<u>Sea Level Datum</u>	<u>Thickness</u>
Dakota "A"	2734'	+4421	75'
Dakota "B"	2809'	+4346	51'
Dakota "D"	2860'	+4295	Penetrated 58'
TD Logger	2918'	+4237	

## WELL CUTTINGS

30' samples 150' to 1700'  
 10' samples 1700' to 2000'  
 30' samples 2000' to 2600'  
 10' samples 2700' to 2925' Driller TD

Samples described below from 1700' to 2000': 2700' to 2925' Driller TD

## SAMPLE DESCRIPTION

1700-10	100% ss, lt gy, v-f-f-g, SR, sl/arkosic, carb inclus, clay filled, calc, tite, <u>N-S</u> : Tr sh, lt gy, v/sl/carb
1710-40	70% ss, as above: 30% sh, as above
1740-60	90% ss, as above, bcm silty in part: 10% sh, as above
1760-80	50% ss, as above: 50% sh, as above
1780-1820	90% ss, as above: 10% sh, as above
1820-60	90% ss, wht-tan, cons-uncons, f-g, SA-SR, por, friable, oil stn, (20% gold fluor, strmg cut fluor): 10% sh, med gy: Tr diss pyrite
1860-80	50% ss, as above: Tr fluor: 50% sh, as above
1880-90	90% sh, as above: 10% ss, as above
1890-1900	100% coal: Tr sh, as above
1900-10	100% ss, wht-tan, cons-uncons, domin uncons, f-m-g, domin f-g, SR, por, friable, <u>10% blu. gold fluor stn, strmg cut fluor</u> : Tr coal: Tr sh, as above
1910-2000	70% sh, med gy-gy brn: 30% ss, uncons, f-m-g, <u>N-S</u>
2700-10	100% sh, med gy-gy brn, carb in part: Tr sltstn, gy, calc: Tr ss, gy, v-f-g, shy, glauc, <u>N-S</u>
2710-50	100% sh, med gy, fiss: Tr ss, as above: Tr sltstn, as above: Tr ls, gy brn, argill, sdy

# SAMPLE DESCRIPTION - CONTINUED

2750-60 80% sh, as above: 20% ss, wht, v-f-g, SR, v/sl/arkosic, por, friable, N-S: Tr sltstn, gy, hd, calc

2760-70 90% sh, as above: 10% ss, as above, bcm shy in part: Tr sltstn, as above

2770-90 No samples

2790-2840 100% sh, as above: Tr ss, as above, N-S: Tr sltstn, as above: Tr bentonite

2840-60 90% sh, as above: 10% ss, buff, v-f-f-g, SA-SR, arkosic, clay filled, por, friable, N-S: Tr sltstn

2860-80 100% sh, as above: Tr ss, as above: Tr sltstn, as above: Tr bentonite

2880-2910 100% sh, as above: Tr ss, lt gy, v-f-g, Sr, por & friable, N-S

2910-25 100% sh, as above: Tr sltstn, as above

TD driller 2925

## DRILLING TIME

Five foot drilling time from 1700' to 2000': 2700' to 2925' Driller TD is listed below.

	05-10-15-20-25-30-35-40-45-50-55-60-65-70-75-80-85-90-95-00
1700-1800	8- 8- 9-10- 8- 9- 8- 9-16- 8- 8- 8- 8- 8- 8- 6- 7- 6- 6- 5
1800-1900	6- 6- 7- 6- 3- 2- 2- 3- 3- 4- 5- 7- 5- 6- 6- 7- 4- 3- 4- 4
1900-2000	3- 4- 3- 3- 3- 3- 3- 4- 4- 3- 3- 4- 4- 4- 4- 5- 8- 8- 9
2700-2800	11-15-13-12- 7-18-11-13-10- 8-10-13-17-17-17-39-17-17-14-16
2800-2900	20-19-17-18- 6- 7-10-12-16-13-18-19-20-18- 8-11-19- 8-10-10
2900-3000	15-16-19-21-28

TD Driller - 2925'