

H. J. GRUY AND ASSOCIATES, INC.  
PETROLEUM CONSULTANTS  
2501 CEDAR SPRINGS ROAD  
DALLAS, TEXAS 75201

May 11, 1979

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NUCLEAR DIV.

Mr. C. K. Feist  
Texas Utilities Services Inc.  
2001 Bryan Tower  
Dallas, Texas 75201

Dear Mr. Feist:

As authorized by you, we are attaching the following items to update through April 30, 1979, the Final Safety Analysis Report for the Comanche Peak Steam Electric Station:

1. Autopositive film of our map titled, "Comanche Peak S.E.S. Natural Gas and Oil Pipelines and Wells Within Five Miles of Comanche Peak S.E.S., Hood and Somervell Counties, Texas."
2. Table 1, "Well Data on all Wells Within Five-Mile Radius of Comanche Peak S.E.S." This table is revised through April 30, 1979.
3. Table 2, "Depth of Formation Tops Picked from Electric Well Logs Received from Public Sources After December 31, 1978 and Through April 30, 1979, Wells Within Five-Mile Radius of Comanche Peak Steam Electric Station."

On Table 1, a bar in the right margin indicates the well is new or has changed status since our last update (December 31, 1978) of the table.

The structural data listed in Table 2 were posted to the following structure maps which are included in the Final Safety Analysis Report:

1. Structure Map, Top of Ellenburger Formation
2. Structure Map, Top of Marble Falls Formation
3. Structure Map, Top of Big Saline Formation
4. Structure Map, Top of Strawn Marker

These new data do not significantly affect the structural interpretation of any of the above-listed maps.

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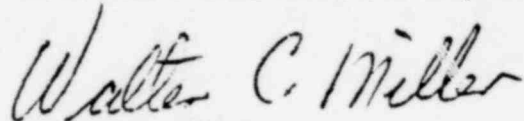
H. J. GRUY AND ASSOCIATES, INC.

Mr. C. K. Feist  
May 11, 1979  
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We thank you for this assignment. If you should have any questions or if we can be of further assistance, please feel free to call on us.

Yours very truly,

H. J. GRUY AND ASSOCIATES, INC.

A handwritten signature in cursive script that reads "Walter C. Miller". The signature is written in dark ink and is positioned above the printed name and title.

Walter C. Miller  
Senior Vice President - Geology

WCM:dj  
Attachments

## H. J. GRUY AND ASSOCIATES, INC.

WELL DATA ON ALL WELLS WITHIN FIVE-MILE RADIUS OF  
COMANCHE PEAK S.E.S.

Well LD. No.	County	Operator/Lease/Well Number Location	Status	Total Depth and Deepest Formation Reached	Depth of Perforations (ft)	Producing Formation	Initial Potential (Mcft/day)	Reservoir Trapping Mechanism
1	Hood	Ben J. Taylor/Cravens No. 4 2,000' FHWL & 2,000' FNEL H. H. Meyers Survey A-5d0 7 miles northeast of Paluxy	Gas well 9-30-77	5,010 ft. Marble Falls	4,740-4,750	Big Saline	2,074	Stratigraphic
1-A	Hood	Ben J. Taylor/Cravens No. 5 2,256' FSEL & 660' FNEL H. H. Meyers Survey A-5d0 3 miles northeast of Paluxy	Gas well 12-14-77	4,784 ft. Big Saline	2,975-2,985	Strawn	505	Stratigraphic
1-B	Hood	Lone Star Petroleum/Comanche Peak "D" No. 1 4,030' FSL & 2,032' FWL Felix Cattonet Survey A-92 4 miles south and 1 miles west of Granbury	Location 5-1-79					
2	Hood	Mid-Continent Pet./Squaw Creek Cattle Co. No. 1 1,263' FSL & 1,263' FEL P. S. Hughlett Survey A-255 10 miles south of Granbury	Dry 5-8-50	5,576 ft. Ellenburger	none	none	none	
2-A	Hood	Dallas Production, Inc./Williams No. 1-C 2,250' FSEL & 3,950' FME'y NEL P. C. Cattonet Survey A-92 6.3 miles south of Granbury	Temporarily suspended 4-10-78	5,260 ft.				
2-B	Hood	Dallas Production, Inc./Cook No. 1-C 2,600' FSEL & 3,875' FSEL John C. Grace Survey A-190 6 miles south of Granbury	Proposed location 4-5-78					
2-C	Hood	Lone Star Petroleum/Comanche Peak No. 1-B 467' FSL & 467' FWL Felix Cattonet Survey A-92 5 miles southwest of Paluxy	Gas well 12-8-78	5,022 ft. Marble Falls	4,214-4,438	Atoka Conglomerate	4,100	Stratigraphic
2-D	Hood	Franke Basin Exploration Co./Nedelkovich No. 1 4,024' FSL & 700' FWL John C. Grace Survey A-190 5 miles south and 1 mile west of Granbury	Suspended operations 12-25-78					
2-E	Hood	Ben J. Taylor/Cravens No. 8 500' FHWL & 500' FNEL Richard Disney Survey A-144 5 miles south of Granbury	Location 5-1-79					

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Well L.D. No.	County	Operator/Lease/Well Number Location	Status	Total Depth and Deepest Formation Reached	Depth of Perforations (ft)	Producing Formation	Initial Potential (Mcf/day)	Reservoir Trapping Mechanism
2-F	Hood	Taylor Operating Co./Rawls No. 1 1,800' FSL & 2,300' FWL J. C. Grace Survey A-190 1 mile north and 7 miles east of Paluxy	Suspended operations 4-16-79	5,070 ft. Marble Falls				
3	Hood	Fitzgerald/Van Morrison No. 1 330' FNL & 1,388' FWL Alexander O'Brien Survey A-433 7 miles southeast of Granbury	Dry 8-10-51	4,508 ft. Strawn	none	none	none	
3-A	Hood	Dallas Production, Inc./Carter No. 1-A 900' FSEL & 4,600' FSWL T. E. Tucker Survey A-566 2.8 miles southeast of Mambrino	Proposed location 12-30-77					
4	Hood	Tri-Venture II/Trotter No. 1 545' FNWL & 660' FNEL J. Doane Survey A-145 13 miles southwest of Granbury	Gas well 11-5-77	5,218 ft. Barnett Shale*	4,770-4,780	Big Saline	378	Stratigraphic
4-A	Hood	Energy Fund of America/Henry P. Maj No. 1 1,435' FNWL & 1,291' FNEL J. Doane Survey A-145 3 miles northeast of Paluxy	Dual gas well 6-8-78	5,059 ft. Marble Falls	4,719-4,725 4,965-4,969 3,148-3,160	Big Saline Marble Falls Strawn	90 260	Stratigraphic
4-B	Hood	Louisiana Land & Expl./Rodney Samson G.U. No. 1 499' FNL & 747' FWL W. R. Carey Survey A-85 1.5 miles south of Hill City	Suspended operations 16-2-78	5,350 ft.				
5	Hood	Energy Fund of America/O. Coker No. 1 731' FEL & 6,214' FSL J. Doane Survey A-145 5.6 miles south of Tolar	Electric logs run 10-7-77	5,133 ft. Marble Falls				
6	Hood	Seates Exploration/Lowdon No. 1 480' FNWL & 4,900' FSWL William R. Carey Survey A-85 1.8 miles north of Hill City	Temporarily suspended 8-15-77	5,275 ft.				
7	Hood	Ben J. Taylor/Cravens No. 3-A 1,964' FNWL & 122' FNEL William R. Carey Survey A-85 7 miles northeast of Paluxy	Abandoned location 8-1-77					
7-A	Hood	Louisiana Land & Expl./Lowdon No. 1 3,600' FNWL & 1,500' FNEL William R. Carey Survey A-85 3 miles north and 4 miles east of Paluxy	Gas well 7-13-78	5,350 ft.	4,445-4,477	Marble Falls	1,100	Stratigraphic

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Well LD. No.	County	Operator/Lease/Well Number Location	Status	Total Depth and Deepest Formation Reached	Depth of Perforations (ft)	Producing Formation	Initial Potential (Mcf/day)	Reservoir Trapping Mechanism
8	Hood	Ben J. Taylor/Cravens No. 3 2,104' FNWL & 222' FNEL William R. Carey Survey A-85 5 miles south and 2 miles east of Tolar	Gas well 9-5-78	5,150 ft.	4,748-4,760	Marble Falls	950	Stratigraphic
9	Hood	Gulf/Bratten Ranch No. 4 2,500' FSEL & 4,300' FSWL J. Doane Survey A-145 5 miles northeast of Paluxy	Gas well 5-16-77	5,100 ft. Barnett Shale*	4,636-4,642	Big Saline	3,650	Stratigraphic
9-A	Hood	Wayman Buchanan/Swain No. 1 3,800' FNEL & 4,000' FSEL J. Doane Survey A-145 4 miles northeast of Paluxy	Testing 5-16-78	5,165 ft.				
10	Hood	Energy Fund of America Moore No. 1 2,204' FSEL & 1,776' FNEL J. Doane Survey A-145 8 miles southeast of Tolar	Dry 9-17-77	5,094 ft. Marble Falls	none	none	none	
10-A	Hood	Energy Fund of America/Argo Peek No. 1 724' FEL & 1,023' FSL J. Doane Survey A-145 6.2 miles south of Tolar	Abandoned location 2-6-78					
11	Hood	Tri-Venture II/Sullivan No. 1 500' FSWL & 703' FSEL William R. Carey Survey A-85 9 miles southwest of Granbury	Gas well 11-1-77	5,085 ft. Marble Falls	4,666-4,686	Big Saline	355	Stratigraphic
11-A	Hood	Sirius Energy Co./J. T. Parker No. 2 467' FNWL & 900' FSWL Cyrus T. Egery Survey A-169 2 miles north and 3 miles east of Paluxy	Gas well 7-27-78	5,285 ft. Barnett Shale*	4,445-4,763	Strawn	259	Stratigraphic
12	Hood	Ben J. Taylor/Wiggins No. 1 4,081' FNEL & 500' FSEL William R. Carey Survey A-85 6 miles northeast of Paluxy	Suspended completion 9-7-78	5,170 ft.	3,943-3,957	Strawn	287	Stratigraphic
12-A	Hood	Ben J. Taylor/Cravens No. 7 2,250' FSEL & 660' FSWL Richard Disney Survey A-144 5 miles south and 4 miles east of Tolar	Gas well 9-5-78	5,093 ft. Marble Falls	4,663-4,673	Big Saline	1,500	Stratigraphic
12-B	Hood	Lone Star Petroleum/Squaw Creek No. 1 5,433' FNL & 664' FEL Richard Disney Survey A-144 10 miles south and 8 miles west of Granbury	Waiting on completion unit 5-1-79	4,850 ft.				

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Well I.D. No.	County	Operator/Lease/Well Number Location	Status	Total Depth and Deepest Formation Reached	Depth of Perforations (ft)	Producing Formation	Initial Potential (Mc/day)	Reservoir Trapping Mechanism
13	Hood	The Baron Co./Randall No. 2 5,880' FWL & 470' FNL Cyrus T. Egery Survey A-169 10 miles southwest of Granbury	Abandoned location 1-30-78					
14	Hood	Dallas Production, Inc./Hubbard No. 1 1,490' FNWL & 3,367' FSWL J. C. Grace Survey A-204 10 miles south and 1 mile east of Granbury	Dry 2-12-74	5,965 ft. Ellenburger	none	none	none	
14-A	Hood	Dallas Production, Inc./Williams "B" No. 1 2,650' FNEEL & 3,030' FSWL J. C. Grace Survey A-203 4 miles southwest of Mambrino	Abandoned location 9-25-78					
15	Hood	Gulf/Bratten Ranch No. 5 587' FNL & 3,900' FEL Thomas J. Stansbury Survey A-498 7 miles southeast of Tolar	Gas well 6-20-77	5,100 ft. Barnett Shale*	2,359-2,369	Strawn	1,080	Stratigraphic
16	Hood	Gulf/Bratten Ranch No. 8 1,980' FNWL & 5,500' FSWL Thomas J. Stansbury Survey A-498 3 miles east of Paluxy	Gas well Recompleted 12-13-78	4,950 ft. Marble Falls	4,126-4,277	Strawn	360	Stratigraphic
17	Hood	Gulf/Bratten Ranch No. 6 3,000' FSL & 6,700' FWL Thomas J. Stansbury Survey A-498 3 miles east of Paluxy	Gas well 7-18-77	5,000 ft. Barnett Shale*	4,686-4,696	Marble Falls	1,200	Stratigraphic
17-A	Hood	O.D.P. Ltd./Roach No. 1 3,875' FNWL & 1,955' FNEEL Thomas J. Stansbury Survey A-498 7.5 miles southeast of Tolar	Dry 4-9-79	5,084 ft.				
17-B	Somervell	Dallas Production, Inc./Davis No. 1-A 660' FNWL & 15,600' FNEEL Galveston County School Land Survey A-37 2.3 miles southwest of Hill City	Suspended operations 12-11-78					
17-C	Somervell	Dallas Production, Inc./Nystel No. 1 660' FNWL & 6,950' FNEEL Galveston County School Land Survey A-37 5.6 miles northwest of Glen Rose	Abandoned location 7-24-78					
17-D	Somervell	Gulf/H. W. McDowell No. 1-A 7,500' FNL & 16,200' FEL (approximately) Galveston County School Land Survey A-37 5.9 miles northwest of Glen Rose	Gas well 3-13-78	5,400 ft.	4,112-4,130	Strawn	4,800	Stratigraphic

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Well I.D. No.	County	Operator/Lease/Well Number Location	Status	Total Depth and Deepest Formation Reached	Depth of Perforations (ft)	Producing Formation	Initial Potential (Mcf/day)	Reservoir Trapping Mechanism
18	Hood	Tri-Venture II/Nelon No. 1 1,797' FSWL & 3,186' FNWL Cyrus W. Egery Survey A-169 10 miles southwest of Granbury	Gas well 10-31-77	5,254 ft. Marble Falls	4,742-4,750	Big Saline	275	Stratigraphic
18-A	Hood	Sirius Energy/J. T. Parker No. 1 2,904' FNL & 735' FWL Cyrus W. Egery Survey A-169 8 miles southeast of Tolar	Gas well 3-13-78	5,164 Marble Falls	4,730-4,746	Big Saline	174	Stratigraphic
19	Hood	The Baron Co./Randall No. 1 5,190' NE & 1,630' SE of NW/C Cyrus W. Egery Survey A-169 9 miles southwest of Granbury	Gas well 9-4-78	5,654 ft.	4,732-4,744	Big Saline	1,200	Stratigraphic
20	Hood	The Baron Co./Nelon No. 2-B 4,830' FEL & 3,296' FSL Cyrus W. Egery Survey A-169 10 miles southwest of Granbury	Abandoned location 1-30-78					
21	Hood	The Baron Co./Nelon No. 1-B 3,040' FNL & 3,296' FSEL Cyrus W. Egery Survey A-169 2 miles southeast of Hill City	Gas well 10-19-78	5,625 ft. Ellenburger	4,946-5,095	Big Saline	328	Stratigraphic
22	Hood	Ben J. Taylor/Cravens "B" No. 1 1,939' FEyL & 4,669' FSyL Cyrus W. Egery Survey A-169 3 miles southwest of Granbury	Gas well 5-5-77	5,030 ft. Marble Falls	4,835-5,030	Marble Falls	1,700	Stratigraphic
22-A	Hood	S.W. Gas Pipeline/M. Peveler No. 1 500' FWL & 2,850' FNL James D. Elliot Survey A-170 2.5 miles east of Hill City	Gas well 6-27-78	5,350 ft.	3,816-3,842	Pennsylvanian Conglomerate	13,000	Stratigraphic
22-B	Hood	Ben J. Taylor/Cravens No. 2-B 3,500' FSL & 468' FWL James D. Elliot Survey A-170 10 miles southwest of Granbury	Gas well 1-3-79	5,136 ft. Barnett Shale*	3,790-3,822	Strawn	909	Stratigraphic
22-C	Hood	S.W. Gas Pipeline/M. Peveler No. 2 825' FNWL & 2,050' FSWL James D. Elliot Survey A-170 1 mile north and 2 miles east of Hill City	Suspended operations 10-30-78	5,374 ft. Barnett Shale*				
22-D	Hood	S.W. Gas Pipeline/M. Peveler No. 3 467' FNL & 4,950' FWL James D. Elliot Survey A-170 3 miles east of Hill City	Shut-in 1-23-79	5,330 ft. Barnett Shale*				

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Well L.D. No.	County	Operator/Lease/Well Number Location	Status	Total Depth and Deepest Formation Reached	Depth of Perforations (ft)	Producing Formation	Initial Potential (Mc/day)	Reservoir Trapping Mechanism
22-E	Hood	S.W. Gas Exploration/M. Peveler No. 5 1,340' FNL & 550' FEL James D. Elliot Survey A-170 5 miles east of Hill City	Location 5-1-79					
22-F	Hood	Taylor Operating Co./Rawls No. 2 756' FNL & 589' FWL J. Grace Survey A-203 7 miles east of Paluxy	Testing 5-1-79	5,010 ft.				
22-G	Hood	S.W. Gas Pipeline/M. Peveler No. 4 5,150' FNL & 2,675' FWL James D. Elliot Survey A-170 1 mile north and 7 miles east of Paluxy	Testing 5-1-79	5,370 ft.				
23	Somervell	Dallas Production, Inc./Kinnard No. 1 467' FNWL & 467' FSWL William E. Smith Survey A-91 6 miles northwest of Glen Rose	Temporarily suspended 2-20-78	5,605 ft. Ellenburger				
23-A	Somervell	Dallas Production, Inc./O'Connor No. 1 3,850' FNWL & 1,320' FNEL Galveston County School Land Survey A-37 4.7 miles northwest of Glen Rose	Suspended operations 11-27-78					
24	Somervell	McPherson/Williams No. 1 1,916' FEL & 2,823' FNL William B. Smith Survey A-90 6 miles north of Glen Rose	Dry 6-29-71	800 ft.	none	none	none	
24-A	Somervell	Dallas Production, Inc./McConal No. 1 660' FNWL & 6,900' FNEL J. A. Hernandez Survey A-42 4.5 miles north of Glen Rose	Abandoned location 7-24-78					
25	Somervell	W. H. Price/Martin No. 1 6,200' FSL & 800' FEL Galveston County School Land Survey A-37 2.5 miles northwest of Glen Rose	Dry 10-26-77	5,550 ft. Ellenburger	none	none	none	
25-A	Somervell	Dallas Production, Inc./Millican No. 1 1,980' FSEL & 11,300' FSWL Milam County School Land Survey A-135 1.8 miles northeast of Glen Rose	Abandoned location 7-24-78					

\* The Barnett Shale is a non-productive unit located between the Ellenburger and Marble Falls formations.



DEPTH OF FORMATION TOPS PICKED FROM ELECTRIC WELL LOGS RECEIVED FROM PUBLIC SOURCES  
AFTER DECEMBER 31, 1978 AND THROUGH APRIL 30, 1979  
WELLS WITHIN FIVE-MILE RADIUS OF COMANCHE PEAK STEAM ELECTRIC STATION

Well I.D. No.	County	Operator/Lease/Well Number Location	Top Strawn Marker	Top Big Saline Formation	Top Marble Falls Formation	Top Ellenburger Formation
2-F	Hood	Taylor Operating Co./Rawls No. 1 1,800' FSL & 2,300' FWL J. C. Grace Survey A-190 1 mile north and 7 miles east of Paluxy	2,512 feet 1,599 feet subsea	4,802 feet 3,889 feet subsea	4,888 feet 3,975 feet subsea	Did not penetrate
12-A	Hood	Ben J. Taylor/Cravens No. 7 2,250' FSEL & 660' FSWL Richard Disney Survey A-144 5 miles south and 4 miles east of Tolar	2,642 feet 1,734 feet subsea	4,652 feet 3,744 feet subsea	4,738 feet 3,830 feet subsea	Did not penetrate
22	Hood	Ben J. Taylor/Cravens "B" No. 1 1,939' FE'yL & 4,669' FS'yL Cyrus W. Egery Survey A-169 9 miles southwest of Granbury	2,601 feet 1,669 feet subsea	4,734 feet 3,802 feet subsea	4,823 feet 3,891 feet subsea	Did not penetrate
22-B	Hood	Ben J. Taylor/Cravens No. 2-B 3,500' FSL & 468' FWL James D. Elliot Survey A-170 10 miles southwest of Granbury	2,600 feet 1,643 feet subsea	4,701 feet 3,744 feet subsea	4,789 feet 3,832 feet subsea	Did not penetrate
22-C	Hood	S.W. Gas Pipeline/M. Peveler No. 2 825' FNWL & 2,050' FSWL James D. Elliot Survey A-170 1 mile north and two miles east of Hill City	2,619 feet 1,727 feet subsea	4,713 feet 3,821 feet subsea	4,796 feet 3,904 feet subsea	Did not penetrate
22-D	Hood	S.W. Gas Pipeline/M. Peveler No. 3 467' FNL & 4,950' FWL James D. Elliot Survey A-170 3 miles east of Hill City	2,568 feet 1,707 feet subsea	4,735 feet 3,876 feet subsea	4,820 feet 3,961 feet subsea	Did not penetrate