



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

NATURAL RESOURCES GROUP
Exploration and Production

June 2, 1981

Application for SWD Peterson "H" No. 1,
Unit M, Section 29, T-5-S, R-33-E,
Roosevelt County, New Mexico

New Mexico Department of Energy and Minerals
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87510

Attention: Mr. R. L. Stametz
Technical Support Chief

Gentlemen:

In response to captioned letter of April 20, 1981, and to supplement our original application, the following data is submitted:

1. Lease and area plat reflecting (a) lessees, leases, and wells with producing formations within a 1/2 mile radius of the Peterson "H" No. 1, and (b) lessee identification within a two mile radius of the Peterson "H" No. 1.
2. Injected and disposed water will be that produced from the Fusselman and Pennsylvanian reservoirs, South Peterson Pool area. Inasmuch as the Wolfcamp is the disposal zone, original analyses of Wolfcamp, Fusselman, and Pennsylvanian produced waters was to establish analytical comparison and compatibility of these waters.
3. Tabular summary with completion data of all wells penetrating the proposed injection zone and within a 1/2 mile radius of the Peterson "H" No. 1.
4. Tabular data and well bore schematic of plugged and abandoned wells (only one) within a 1/2 mile radius of the Peterson "H" No. 1. The schematic reflects abandonment plugs and date of final plugging.
5. Well bore schematic of Peterson "H" No. 1, with location and size of plug(s) below the injection interval.

We trust these data will allow timely processing of this application. If additional information is required, please advise.

Very truly yours,

T. Harold McLemore
Regulation & Proration Supervisor

THM:skm
Attachments

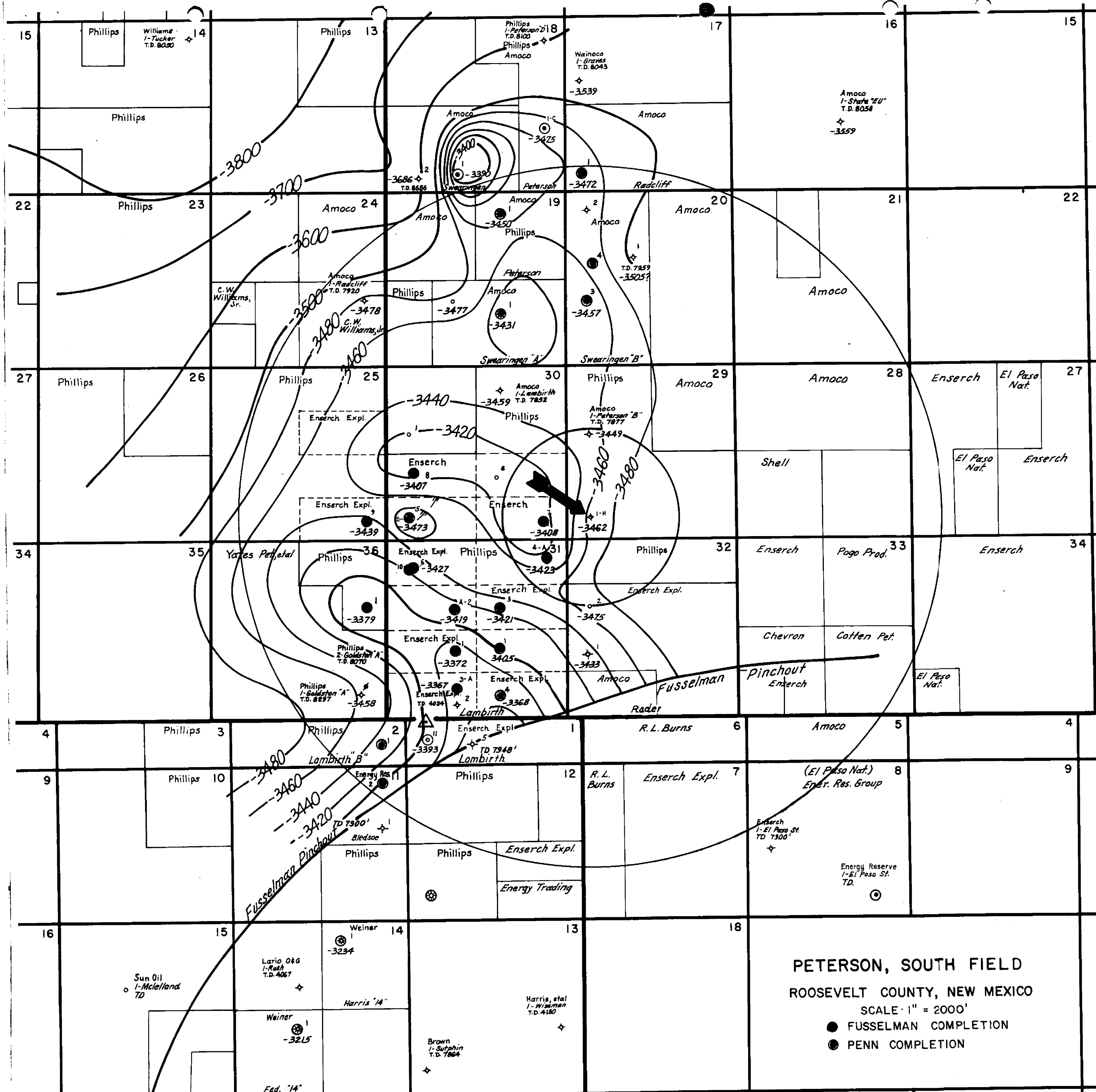
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cc: New Mexico Department of Energy and Minerals
Oil Conservation Division
Box 1980
Hobbs, New Mexico 88240

Mr. G. E. Peterson
East Star Route
Elida, New Mexico 88116

Ensearch Exploration, Inc.
Box 4815
Midland, Texas 79702

Attachments



WELLS WITHIN A RADIUS OF TWO MILES

OF PETERSON H NO. 1

Roosevelt County, New Mexico

<u>OPERATOR</u>	<u>WELL NAME AND NO.</u>	<u>LOCATION</u>	<u>PRODUCING FORMATION</u>
AMOCO	Lambirth #1	Unit B; Section 30 T-5-S; R-33-E	Plugged & Abandoned
AMOCO	Peterson "D" #1	Unit B; Section 19 T-5-S; R-33-E	Pennsylvanian
AMOCO	Radcliff #1	Unit M; Section 17 T-5-S; R-33-E	Pennsylvanian
AMOCO	Radcliff #1	Unit I; Section 24 T-5-S; R-32-E	Plugged & Abandoned
AMOCO	Swearingen "A" #1	Unit J; Section 19 T-5-S; R-33-E	Pennsylvanian
AMOCO	Swearingen "B" #1	Unit F; Section 20 T-5-S; R-33-E	Plugged & Abandoned
AMOCO	Swearingen "B" #2	Unit D; Section 20 T-5-S; R-33-E	Plugged & Abandoned
AMOCO	Swearingen "B" #3	Unit L; Section 20 T-5-S; R-33-E	Pennsylvanian
AMOCO	Swearingen "B" #4	Unit E; Section 20 T-5-S; R-33-E	Pennsylvanian
Energy Reserves Group	Bledsoe #2	Unit A; Section 11 T-6-S; R-33-E	Pennsylvanian
Enserch	Lambirth #1	Unit K; Section 31 T-5-S; R-33-E	Fusselman
Enserch	Lambirth #3	Unit G; Section 31 T-5-S; R-33-E	Pennsylvanian
Enserch	Lambirth #4	Unit O; Section 31 T-5-S; R-33-E	Pennsylvanian
Enserch	Lambirth #5	Unit N; Section 1 T-6-S; R-33-E	Plugged & Abandoned
Enserch	Lambirth #6	Unit D; Section 31 T-5-S; R-33-E	Fusselman
Enserch	Lambirth #8	Unit L; Section 30 T-5-S; R-33-E	Fusselman

<u>OPERATOR</u>	<u>WELL NAME AND NO.</u>	<u>LOCATION</u>	<u>PRODUCING FORMATION</u>
Enserch	Lambirth #9	Unit P; Section 25 T-5-S; R-32-E	Fusselman
Enserch	Lambirth #10	Unit D; Section 31 T-5-S; R-33-E	Fusselman
Enserch	Lambirth #11	Unit M; Section 1 T-6-S; R-33-E	Not Completed
Enserch	Rader #1	Unit L; Section 32 T-5-S; R-33-E	Plugged & Abandoned
Phillips	Goldston "A" #1	Unit P; Section 36 T-5-S; R-32-E	Plugged & Abandoned
Phillips	Goldston "A" #2	Unit P; Section 36 T-5-S; R-32-E	Plugged & Abandoned
Phillips	Lambirth "A" #1	Unit J; Section 31 T-5-S; R-33-E	Fusselman
Phillips	Lambirth "A" #2	Unit F; Section 31 T-5-S; R-33-E	Fusselman
Phillips	Lambirth "A" #3	Unit N; Section 31 T-5-S; R-33-E	Fusselman
Phillips	Lambirth "A" #5	Unit M; Section 30 T-5-S; R-33-E	Pennsylvanian
Phillips	Lambirth "B" #1	Unit P; Section 2 T-6-S; R-33-E	Pennsylvanian
Phillips	Lambirth State #1	Unit H; Section 36 T-5-S; R-32-E	Fusselman

WELLS WITHIN A RADIUS OF 1/2 MILE
OF PETERSON "H" NO. 1

Roosevelt County, New Mexico

<u>OPERATOR</u>	<u>WELL NAME AND NO.</u>	<u>LOCATION</u>	<u>PRODUCING FORMATION</u>	<u>TD</u>	<u>PRODUCING INTERVAL</u>
Enserch	Lambirth #7	Unit P; Sec. 30 T-5-S; R-33-E 660' FEL and 510' FSL	Fusselman	7872'	7826-7829.5'
	<u>CASING STRINGS</u>	<u>SETTING DEPTHS</u>	<u>SACKS CEMENT USED</u>		<u>CEMENT TOPS</u>
	13-3/8"	358'	300		Surface
	8-5/8"	1991'	750		Surface
	5-1/2"	7858'	450		4878'
<u>OPERATOR</u>	<u>WELL NAME AND NO.</u>	<u>LOCATION</u>	<u>PRODUCING FORMATION</u>	<u>TD</u>	<u>PRODUCING INTERVAL</u>
Enserch	Rader #2	Unit E; Sec. 32 T-5-S; R-33-E 1880' FNL and 560' FWL	Montoya proposed for salt water injection	7991	Proposed injection interval 7902-7930'
	<u>CASING STRINGS</u>	<u>SETTING DEPTHS</u>	<u>SACKS CEMENT USED</u>		<u>CEMENT TOPS</u>
	13-3/8"	356'	250		Circ
	9-5/8"	1981'	914		Circ
	5-1/2"	8000'	350		6850'
<u>OPERATOR</u>	<u>WELL NAME AND NO.</u>	<u>LOCATION</u>	<u>PRODUCING FORMATION</u>	<u>TD</u>	<u>PRODUCING INTERVAL</u>
Phillips	Lambirth "A" #4	Unit A; Sec. 31 T-5-S; R-33-E 560' FNL and 560' FEL	Fusselman	8000'	7814-7818' and 7821-7828'
	<u>CASING STRINGS</u>	<u>SETTING DEPTHS</u>	<u>SACKS CEMENT USED</u>		<u>CEMENT TOPS</u>
	13-3/8"	360'	420'		Circ 95 sxs sur- face
	8-5/8"	3500'	780		Circ 140 sxs sur face
	5-1/2"	8000'	960		4200'

PLUGGED AND ABANDONED WELL WITHIN
ONE HALF MILE OF PETERSON "H" NO. 1

Roosevelt County, New Mexico

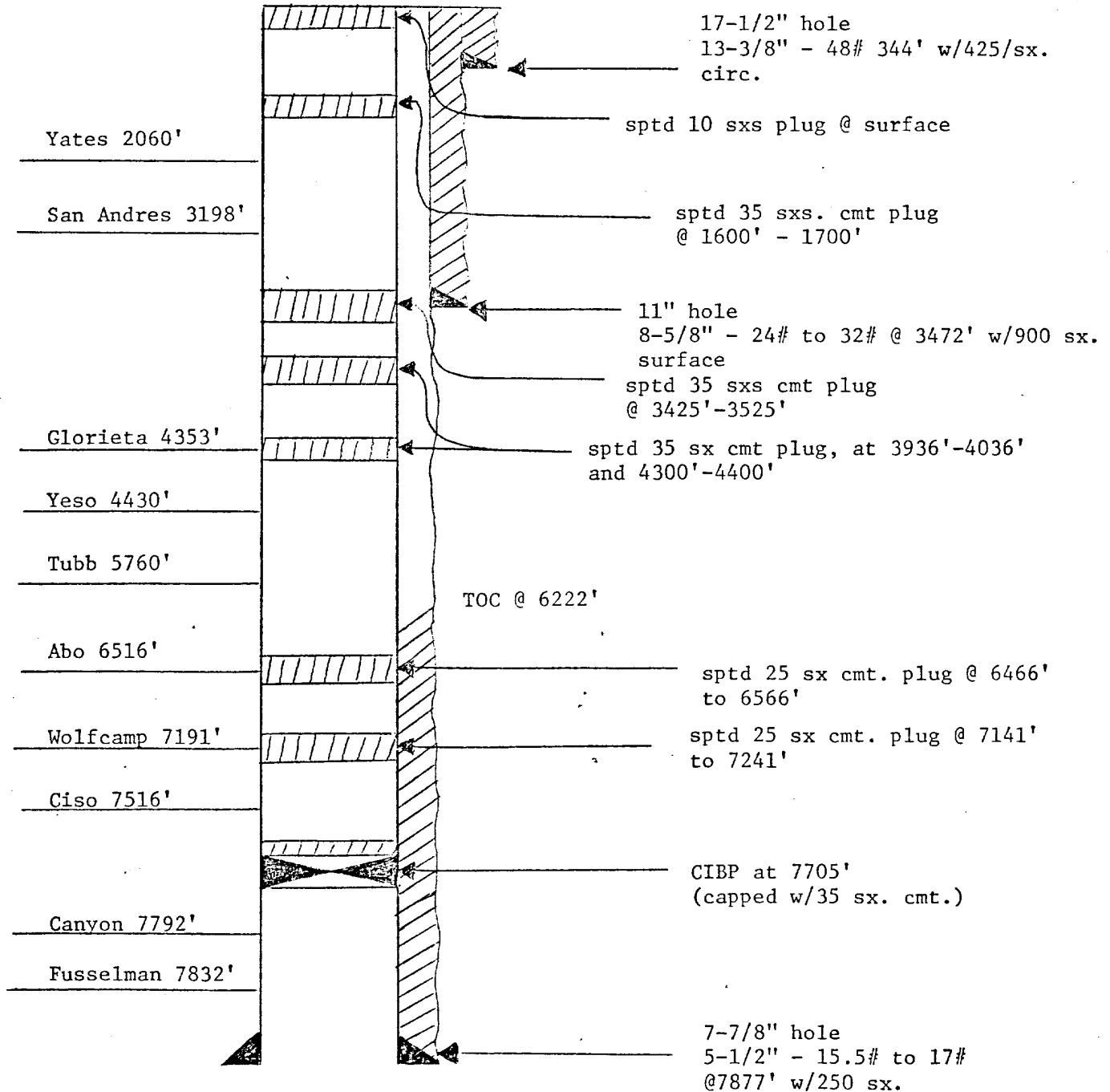
<u>OPERATOR</u>	<u>WELL NAME AND NO.</u>	<u>LOCATION</u>	<u>PRODUCING FORMATION</u>	<u>TD</u>	<u>PRODUCING INTERVAL</u>
AMOCO	Peterson "B" #1	Unit E; Sec. 29 T-5-S; R-33-E 1980' FSL and 660' FWL	Plugged & Abandoned	7852'	7562-7692' and 7718-7768'

<u>CASING STRINGS</u>	<u>SETTING DEPTHS</u>	<u>SACKS CEMENT USED</u>	<u>CEMENT TOPS</u>
13-3/8"	344'	425	Surface
8-5/8"	3472'	900	Surface
5-1/2"	7877'	250	6222'

<u>SIZE OF PLUG</u>	<u>LOCATION OF PLUG</u>	<u>DATE OF ABANDONMENT</u>
CIBP capped w/35 sxs cmt.	7705'	2-17-76
Sptd 25 sxs cmt plug.	7141-7241'	
Sptd 25 sxs cmt plug.	6466-6566'	
Sptd 35 sxs cmt plug.	4300-4400' and 3936-4036'	
Sptd 35 sxs cmt plug.	3425-3525'	
Sptd 35 sxs cmt plug.	1600-1700'	
Sptd 10 sxs plug	At surface	

Date of Abandonment
2-17-76

AMOCO - Peterson "B" #1
1980' FSL and 660' FWL
Unit E; Section 29
T-5-S; R-33-E
Roosevelt Co., New Mexico



Peterson "H" No. 1
 660' FSL and 510' FWL
 Section 29, T-5-S, R-33-E
 Roosevelt County, New Mexico

