

**KELLAHIN, KELLAHIN AND AUBREY**

ATTORNEYS AT LAW

EL PATIO BUILDING

117 NORTH GUADALUPE

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SANTA FE, NEW MEXICO 87504-2265

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W. THOMAS KELLAHIN  
KAREN AUBREY

CANDACE HAMANN CALLAHAN

JASON KELLAHIN  
OF COUNSEL

April 11, 1991

RECEIVED

APR 11 1991

OIL CONSERVATION DIVISION

Mr. William J. LeMay  
Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87504

Re: NMOCD Case No. 10290  
Application of Avon Energy Corporation  
for Amendment of Division Order Nos.  
R-3185, R-3185-A, and R-3528 to Expand  
the Vertical Limits and to Establish an  
Injection Pressure Limitation, Eddy County,  
New Mexico

Dear Mr. LeMay:

On behalf of Avon Energy Corporation, I filed an application for the above referenced case which is scheduled for Examiner hearing on April 18, 1991.

Avon desires that this case be continued to the next available docket which is May 2, 1991.

Very truly yours,

W. Thomas Kellahin

WTK/tic

cc: Mr. T.M. Hatfield  
BHI Energy Corporation  
1153 Dairy Ashford, Suite 803  
Houston, Texas 77079

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W. THOMAS KELLAHIN  
KAREN AUBREY

CANDACE HAMANN CALLAHAN

JASON KELLAHIN  
OF COUNSEL

April 26, 1991

RECEIVED

MAY 1 1991

OIL CONSERVATION DIVISION

Mr. William J. LeMay  
Oil Conservation Division  
Post Office Box 2088  
Santa Fe, New Mexico 87504

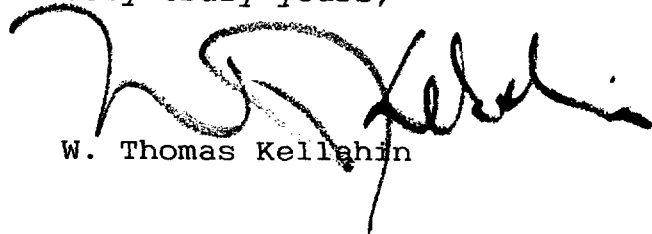
Re: Application of Avon Energy Corporation  
for Amendment of Division Order Nos.  
R-3185, R-3185-A, and R-3528 to Expand  
the Vertical Limits and to Establish an  
Injection Pressure Limitation,  
Eddy County, New Mexico  
NMOCD Case No. 10290

Dear Mr. LeMay:

On behalf of Avon Energy Corporation, I filed an  
application for the above referenced case which is  
scheduled for Examiner hearing on May 2, 1991.

Avon desires that this case be continued to the  
June 13, 1991 docket.

Very truly yours,



W. Thomas Kellahin

WTK/tic

cc: Mr. T.M. Hatfield  
BHI Energy Corporation  
1153 Dairy Ashford, Suite 803  
Houston, Texas 77079

AVON ENERGY CORP.  
P.O. BOX 37  
LOCO HILLS, NEW MEXICO 88255

OIL CONSERVATION DIVISION  
RECEIVED  
91 JUN 13 AM 9 40

505/677-3223

May 30, 1991

Mr. David Catanach  
New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Re: Avon Energy Corp.  
Turner "B" Lease Waterflood Expansion  
Eddy County, New Mexico

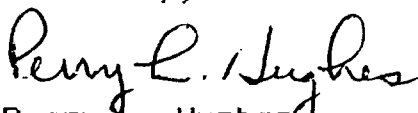
Dear Mr. Catanach:

Per our telephone conversation of May 28, 1991, following is a tabulation of the existing perforations and proposed perforations for each of the six wells to be included in our injection test program (Turner "B" No's. 47, 50, 54, 61, 64, 66).

Due to the unknowns associated with working over old wells and with the installation of injection facilities and lines, Avon requests that the 30-45 day test period be on an individual well basis (starting at different times). This will allow conducting the desired step rate tests on a staggered basis and aid Avon operationally. Avon will keep Mike Williams in the Artesia OCD office fully informed and notified of all pertinent operations in a timely manner. Avon will maintain detailed injection records for each well and will provide this information to the OCD.

Please advise if any additional information is required.

Sincerely,

  
Perry L. Hughes

PLH/mp

Attachments

cc: Tom Kellahin

TURNER "B" #47  
PROPOSED PERFORATIONS

<u>ZONE</u>	<u>PERFORATIONS</u>
Vacuum (San Andres)	*3412 to 3396 3392, 87 *3366 to 3364
Premier (Grayburg)	*3362 to 3350 3344 3338 3324 *3394 to 3290 *3270 to 3243 3224
Square Lake	3158, 56 3141,40,38
Metex	3117 3110 3087
Loco Hills	3056,54 3045

\* Existing perf w/4 to 6 holes/ft.  
17 new holes

TURNER "B" #50  
PROPOSED PERFORATIONS

<u>ZONE</u>	<u>PERFORATIONS</u>
Vacuum (San Andres)	*3330 to 3314 *3310 to 3306
Premier (Grayburg)	*3285 to 3280 *3278 to 3268 *3224 to 3208 *3190 to 3180 *3175 to 3172 3156,54
Square Lake	3085,84,83 3065
Metex	3044 3013,09,07
Loco Hills	2989 2978

\* Existing perforations  
12 new holes.

TURNER "B" #54  
EXISTING PERFORATIONS

<u>ZONE</u>	<u>PERFORATIONS</u>
Premier (Grayburg)	*3404 to 3396 *3386 to 3366
Square Lake	3266,64,62 3253 3242,37
Metex	3204 3179 3167,65,63,61,59
Loco Hills	3118 3108

\* Existing perforations.  
Added 15 new perforations in 1991.

TURNER "B" #61  
EXISTING PERFORATIONS

<u>ZONE</u>	<u>PERFORATIONS</u>
Vacuum (San Andres)	*3646 to 3614
Premier (Grayburg)	3586,84,82 3557,55,53,51 *3540 to 3532 *3516 to 3506
Square Lake	3460,53 3429 3414 3406,04,02
Metex	3370 3325,18 3308,06,04,02
Loco Hills	3262 3254

\* Existing perforations  
Added 23 new perforations in 1991.

TURNER "B" #64  
PROPOSED PERFORATIONS

<u>ZONE</u>	<u>PERFORATIONS</u>
Vacuum (San Andres)	3557,55,53
	3544,42,40,37
	3532,30,28
	3510,08,06
	3499,97
Premier (Grayburg)	3490,88,86,84
	3462,61
	3450
	*3440 to 3436
	3416,12,11
	*3405 to 3388
	3385
	3373
3363	
Square Lake	3337
	3399
	3276,74
Metex	3247
	3238
	3226
	3222
	3220
	3204,03
Loco Hills	3162
	3147,46
	3133
	3121
	3110
	3103
	3095
	3090
	3082
	3076
	3070
3059,57,55,54	

\* Existing perforations  
Total 55 new holes.



TURNER "B" #66  
PROPOSED PERFORATIONS

<u>ZONE</u>	<u>PERFORATIONS</u>
Vacuum (San Andres)	3678,75,74,72 3663,60,58,56 3649,47,45 3632 3628,25,22 3617,14
Premier (Grayburg)	3574,72,70,68 *3546 to 3522 3518 3497 3490,87,84 3478,70,67
Square Lake	3443 3434 3428 3416 3407
Metex	3380,77,72,68,66,61 3355 3347,45 3338
Loco Hills	3325 3315 3303,02 3297 3290 3283,81

\* Existing perforations 6 holes/ft.  
Total 52 new holes.

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W. THOMAS KELLAHIN  
KAREN AUBREY

CANDACE HAMANN CALLAHAN

JASON KELLAHIN  
OF COUNSEL

May 21, 1991

Mr. David Catanach  
Oil Conservation Division  
State Land Office  
Santa Fe, New Mexico 87501

HAND DELIVERED

Re: NMOCD Case No. 10290  
Avon Energy Corp. Application for  
Expansion of Vertical Limits and  
to Establish an Injection Pressure  
Limitation for the Turner "B" Lease  
Grayburg-San Andres Waterflood Project,  
Eddy County, New Mexico

Dear Mr. Catanach:

On April 23, 1991, Mr. T. M. Hatfield, Mr. Perry Hughes and I met with you to request an administrative procedure from the Division to test additional injection wells in the referenced project so an appropriate pressure limitation could be established and presented to the Division at the hearing of Case 10290 which is now set for June 13, 1991.

We selected the following six wells on which to conduct the step-rate tests for a period not to exceed 45 days:

Turner "B" #50	(NW/NW Section 29)
Turner "B" #54	(SE/NW Section 29)
Turner "B" #47	(NW/NE Section 29)
Turner "B" #61	(NW/SE Section 29)
Turner "B" #56	(NW/SE Section 30)
Turner "B" #66	(SE/SW Section 29)

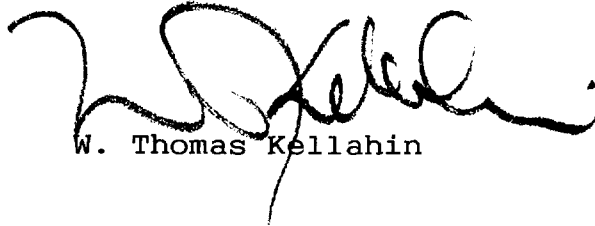
Mr. David Catanach  
May 21, 1991  
Page 2

Of the wells initially selected, we would like to delete #56 which remains Socorro's well and allow you to select a replacement from any of the following:

Turner "B" #55 (SE/NE Section 29)  
Turner "B" #64 (NW/SW Section 29)  
Turner "B" #68 (SE/SE Section 29)

In accordance with your request at our meeting, please find enclosed Items No. V and VI of Division Form C-108. Also enclosed is a map onto which is scribed a one-half mile radius around each injector wells. Please let me know if you need anything further in order to process our administrative request.

Very truly yours,



W. Thomas Kellahin

WTK/tic  
Enclosures

cc: Mr. Perry Hughes  
Avon Energy Corp.  
310 West Wall, Suite 915  
Midland, Texas 79702

RVON ENERGY CORP.  
TURNER "B" WATERFLOOD EXPANSION - DATA FOR C-108 SUBMITTAL

Operator-Original (Successor)	Lease & Well	Location (Unit)	Type Well	Casing Record Size & Depth Set	Total Depth	Completion Interval	Date Completed	Remarks
Ashmun & Hilliard, No. 3 Ltd.	32 Simon State #1	SE/4 NE/4 Sec. 32 (H)	Dry & Abd.	10-3/4" @ 619' 8-5/8" @ 1708'	3815'	None	06/19/60	1708' 8-5/8" recovered
James G. Brown & Associates	State "H" #2	NW/4 NW/4 Sec. 32 (D)	Dry & Abd.	8-5/8" @ 681'	3654'	None	08/11/61	
Tamarack Petroleum Co.	State "H" #1	NE/4 NW/4 Sec. 32 (C)	Dry & Abd. (P & R)	8-5/8" @ 700' 5-1/2" @ 3699'	3704'	3534-40 (1961) 3439-48 (1962)	05/17/61	P&R 3/29/80
Socomy Mobil Oil Co. (Prco)	New Mexico "U" #1	NW/4 NE/4 Sec. 32 (B)	Dry (MIM) (P & R)	8-5/8" @ 752' 5-1/2" @ 3810'	3810'	3467-3535 (1960) 3415-3449 (1964)	01/04/60	Converted to MIM by Prco 7/17/69. P&R 8/3/79
Plemens & Hewitt (Jack L. McClellan)	Gulf Premier #1	NW/4 NE/4 Sec. 31 (R)	Dry (P & R)	8-5/8" @ 608' 5-1/2" @ 3525'	3599'	3452-3460 (1960) 3178-3217 (1960)	10/04/60	Pulled 2885' at 5-1/2"
Schuster	Stagner #2	NE/4 NW/4 Sec. 31 (C)	Dry & Abd.	8" @ 590'	3527'			P&R 9/28/48
Paul B. English (Three States Natural Gas Co.) (Harbob)	State #1	SW/4 NW/4 Sec. 30 (D)	Dry	8-1/4" @ 497' 5-1/2" @ 2927'	3336'	OH Shot 3203-3305	07/16/43	Shot w/200 quarts; Frac OH 10/57
Plemens & Hewitt (Jack Plemens)	Max Friess #4	SE/4 NW/4 Sec. 30 (F)	Dry	8-5/8" @ 482' 5-1/2" @ 3104'	3342'	2894-2900	04/05/57	
Skelly (Texaco)	Dow "B" #32 (Skelly Unit #100)	NW/4 SW/4 Sec. 28 (L)	Dry (MIM)	8-5/8" @ 707' 5-1/2" @ 3632'	3734'	3522-3591 (perf) 3632-3727 (OH)	11/28/59	Converted to MIM 3/71
Skelly (Texaco)	Dow "B" #11 (Skelly Unit #91)	NW/4 NW/4 Sec. 28 (D)	Dry (MIM) (P & R)	10-3/4" @ 648' 7" @ 3043'	3724'	3487-3525 (OH) 3343-3365 (OH)	11/16/46	Shot w/100 quarts; Shot w/100 quarts Converted to MIM 8/74 P&R 5/90
Skelly (Texaco)	Dow "B" #33 (Skelly Unit #93)	SE/4 NW/4 Sec. 28 (F)	Dry (MIM) (TR)	8-5/8" @ 676' 5-1/2" @ 3609'	3700'	3609-3700 (OH) 3228-3472 (perf)	12/21/59	Converted to MIM 3/68
Skelly (Texaco)	Dow "B" #31 (Skelly Unit #92)	SW/4 NW/4 Sec. 28 (E)	Dry (P & R)	8-5/8" @ 686' 5-1/2" @ 3575'	3652'	3575-3652 (OH) 3193-3535 (perf)	12/27/58	
Skelly (Texaco)	Dow "B" #23 (Skelly Unit #75)	SE/4 SW/4 Sec. 21 (N)	Dry (MIM)	8-5/8" @ 663' 7" @ 3286' 4-1/2" liner from 3216'-3600'	3350' 3600'	3286-3350 (OH) 3446.5-3560.5 (perf) 3085-3421 (perf)	06/23/57 2/63 12/67	Converted to MIM 8/68

AVON ENERGY CORP.  
TURNER "B" WATERFLOOD EXPANSION - DATA FOR C-108 SUBMITTAL

Operator-Original (Successor)	Lease & Well	Location (Unit)	Type Well	Casing Record Size & Depth Set	Total Depth	Completion Interval	Date Completed	Remarks
Skelly (Texaco)	Dom "B" #22 (Skelly Unit #74)	SW/4 SW/4 Sec. 21 (H)	Oil	8-5/8" @ 4-1/2" liner from 3150'-3899'	3281'	3406-3431 (OH) 3028-3360 (perf)	2/63 12/67	Producing
Skelly (Mexaco)	Dom "B" #25 (Skelly Unit #69)	NW/4 SW/4 Sec. 21 (L)	Oil	8-5/8" @ 640' 4-1/2" liner from 3033'-3592'	3612'	3130-3230 (OH) 3263-3540 (perf) 3046-3238 (perf) 2938-3021 (perf)	10/57 3/63 3/70	PB from 3612'-3230' CO to 3612' Converted to MH 3/71
Sinclair (Arco)	Turner "B" SP #76	SE/4 SE/4 Sec. 30 (P)	Dry & Abd. MH (P & R)	8-5/8" @ 542' 4-1/2" @ 3597'	3597'	3426-3497 (perf)	3/69	P & R 12/61 Re-enter 3/69 P & R 4/28/82
Sinclair (Arco)	Turner "B" #77	SW/4 SW/4 Sec. 30 (H)	Oil (P & R)	13-3/8" @ 620' 9-5/8" @ 2950' 7-5/8" @ 11475'	11475'	10919-10927 (perf) 7924-7948 (perf) 9722-9736 (perf)	6/61 7/63 7/63	Atoka - Sq. 7/63 Bone Springs - Sq. 7/63 Cisco Canyon - TR 9/65 P & R 10/1/71
Sinclair (Arco)	Turner "B" #57	NE/4 SW/4 Sec. 30 (K)	Dry & Abd.	10-3/4" @ 691'	3496'		1/59	P & R 4/16/75
Sinclair (Arco)	Turner "B" #56	NW/4 SE/4 Sec. 30 (J)	Oil (MH)	10-3/4" @ 630' 5-1/2" @ 3527'	3527'	3367-3378 (perf) 3336-3343 (perf)	11/58 3/69	Converted to MH 3/89
Sinclair (Arco)	Turner "B" #53	NE/4 SE/4 Sec. 30 (I)	Oil	10-3/4" @ 573' 5-1/2" @ 3524'	3524'	3488-3494 (perf) 3356-3372 (perf) 3388-3397 (perf)	6/58 6/58 2/70	No prod. & PB to 3470'
<del>Deminger</del> (Southern Prod. Co.) (Sinclair) (Arco) (Hondo) (Socorro)	Max Friess #1	NW/4 NE/4 Sec. 30 (B)	Oil (MH)	8-1/4" @ 524' 7" @ 1852' 5" @ 2830' 2-7/8" liner from 2615'-3423'	2057' 3200' 3439'	2830-3439 (OH) 3108-3236.5 (perf)	1/44 10/57 5/72	Deepened 1/55 to 3200' Deepened 10/57 to 3439' Converted to MH
Sinclair (Arco)	Max Friess #2	NE/4 NE/4 Sec. 30 (R)	Oil	10-3/4" @ 582' 7" @ 3300'	3300'	3264-3276 (perf) 3098-3128 (perf) 3191-3212 (perf) 1985-2035 (perf)	6/57 9/58 8/73 1/86	Producing as commingled OH
Sinclair (Arco)	Max Friess #3	SW/4 NE/4 Sec. 30 (G)	Oil P & R	10-3/4" @ 586' 7" @ 3451'	3451'	2908-3274 (perf) 3379-3392 (perf) 3382-3396 (perf)	8/57 1/60 4/62	P & R 8/79

TURNER "B" WATERFLOOD EXPANSION - DATA FOR C-108 SUBMITTAL

AVON ENERGY CORP.

Operator-Original (Successor)	Lease & Well	Location (Unit)	Type Well	Casing Record Size & Depth Set	Total Depth	Completion Interval	Date Completed	Remarks
Sinclair (Rrco) (Avon)	Max Friess #4	SE/4 NE/4 Sec. 30 (H)	Oil (MIM)	10-3/4" @ 614' 7" @ 3396'	3397'	3358-3368 (perf) 3220-3240 (perf)	10/57	Converted to MIM 6/72
Avon	Max Friess #5	NE/4 NE/4 Sec. 30 (R)	Oil	12-3/4" @ 325' 8-5/8" @ 1391'	3805'	3036-3540 (perf)	3/91	
Sinclair (Rrco) (Avon)	Turner "B" #71	SW/4 SW/4 Sec. 29 (H)	Oil	8-5/8" @ 590' 4-1/2" @ 3672'	3672'	3469-3480 (perf) 3626-3643 (perf) 3225-3440 (perf)	10/60 3/91 3/91	
Sinclair (Rrco) (Avon)	Turner "B" #66	SE/4 SW/4 Sec. 29 (N)	Oil (MIM)	8-5/8" @ 717' 4-1/2" @ 3706'	3706'	3522-3546 (perf)	6/60	Converted to MIM 3/69
Sinclair (Rrco) (Avon)	Turner "B" #63	SW/4 SE/4 Sec. 29 (O)	Oil	8-5/8" @ 700' 5" @ 3670'	3670'	3604-3641 (perf) 3510-3530 (perf) 3293-3484 (perf)	9/59 9/59 3/91	
Sinclair (Rrco) (Avon)	Turner "B" #68	SE/4 SE/4 Sec. 29 (P)	Dry/TR (MIM)	8-5/8" @ 730' 4-1/2" @ 3718'	3718'	3648-3664 (perf) 3454-3512 (perf) 3564-3470 (perf)	9/60 3/69 1/70	Temporarily Abandoned Converted to MIM 3/69
Avon	Turner "B" #86	1335' FSL & 1305' FHL CLD Sec. 29	Oil	8-5/8" @ 601' 5-1/2" @ 3730'	3730'	3132-3627 (perf)	2/91	
Avon	Turner "B" #87	1335' FSL & 2625' FHL DK Sec. 29	Oil	8-5/8" @ 605' 5-1/2" @ 3725'	3725'	3293-3658 (perf)	1/91	
Avon	Turner "B" #88	1335' FSL & 1335' FEL CJ Sec. 29	Oil	8-5/8" @ 605' 5-1/2" @ 3745'	3745'	3315-3688 (perf)	1/91	
Sinclair (Rrco) (Avon)	Turner "B" #64	1980' FSL & 660' FHL CP Sec. 29	Oil (MIM)	8-5/8" @ 570' 5" @ 3576'	3576'	3388-3405 (perf) 3426-3440 (perf)	10/59	Converted to MIM 3/69
Sinclair (Rrco) (Avon)	Turner "B" #60	1980' FSL & 1980' FHL CK Sec. 29	Oil	10-3/4" @ 625' 5-1/2" @ 3626'	3626'	3470-3488 (perf) 3513-3524 (perf) 3193-3414 (perf) 3500-3610 (perf)	4/59 2/70 12/90 12/90	
Sinclair (Rrco) (Avon)	Turner "B" #61	1980' FSL & 1980' FEL CJ Sec. 29	Oil (MIM)	10-3/4" @ 633' 5-1/2" @ 3661'	3661'	3616-3646 (perf) 3506-3516 (perf) 3532-3540 (perf)	6/59 1/62 1/70	Converted to MIM 3/69

AVON ENERGY CORP.  
TURNER "B" WATERFLOOD EXPANSION - DATA FOR C-108 SUBMITTAL

Operator-Original (Successor)	Lease & Well	Location (Unit)	Type Well	Casing Record Size & Depth Set	Total Depth	Completion Interval	Date Completed
Sinclair (Arco) (Avon)	Turner "B" #62	1980° FSL & 660° FEL (I) Sec. 29	Oil	8-5/8" @ 648' 5-1/2" @ 3690'	3690'	3649-3652 (perf) 3656-3674 (perf) 3540-3553 (perf) 3275-3452 (perf)	7/59 1/70 3/91
Avon	Turner "B" #80	2565° FSL & 1305° FHL (L) Sec. 29	Oil	8-5/8" @ 599' 5-1/2" @ 3597'	3600'	3093-3536 (perf)	11/90
Avon	Turner "B" #81	2545° FSL & 2615° FEL (J) Sec. 29	Oil	8-5/8" @ 600' 5-1/2" @ 3698'	3700'	3240-3628 (perf)	11/90
Avon	Turner "B" #82	2550° FSL & 1335° FEL (J) Sec. 29	Oil	8-5/8" @ 602' 5-1/2" @ 3724'	3724'	3171-3616 (perf)	12/90
Sinclair (Arco) (Avon)	Turner "B" #52	1980° FNL & 660° FHL (E) Sec. 29	Oil	10-3/4" @ 558' 5-1/2" @ 3451'	3451'	3300-3320 (perf) 3330-3338 (perf) 3269-3352 (perf) 3035-3195 (perf)	2/58 2/70 11/90 11/90
Sinclair (Arco) (Avon)	Turner "B" #54	1980° FNL & 1980° FHL (F) Sec. 29	Oil (CHH)	10-3/4" @ 553' 5-1/2" @ 3525'	3525'	3366-3386 (perf) 3396-3404 (perf)	8/58 1/70
Sinclair (Arco) (Avon)	Turner "B" #49	1980° FNL & 1980° FEL (G) Sec. 29	Oil	10-3/4" @ 581' 7" @ 3502'	3600'	3502-3600 (OH) 3418-3430 (perf) 3446-3456 (perf) 3165-3314 (perf)	10/57 3/91
Sinclair (Arco) (Avon)	Turner "B" #55	1980° FNL & 660° FEL (H) Sec. 29	Oil (CHH)	10-3/4" @ 631' 5-1/2" @ 3640'	3640'	3600-3608 (perf) 3616-3624 (perf) 3455-3555 (perf)	10/58 7/68
Sinclair (Arco) (Avon)	Turner "B" #58	1650° FNL & 660° FHL (E) Sec. 29	Dry & Abd.	13-3/8" @ 230' 5-1/2" @ 9900' 9-5/8" @ 3825'	13714'	9759-9767 (perf)	12/59
Avon	Turner "B" #83	1385° FNL & 1345° FHL (F) Sec. 29	Oil	8-5/8" @ 628' 5-1/2" @ 3493'	3495'	3227-3407 (perf) 3013-3162 (perf) 3159-3270 (perf) 3051-3270 (perf)	7/90 8/90 4/91
Avon	Turner "B" #84	1305° FNL & 2525° FEL (B) Sec. 29	Oil	8-5/8" @ 626' 5-1/2" @ 3550'	3550'	3120-3472 (perf)	10/90
Avon	Turner "B" #85	1305° FNL & 1335° FEL (B)	Oil	8-5/8" @ 630' 5-1/2" @ 3597'	3600'	3180-3416 (perf) 2989-2995 (perf)	11/90

AVON ENERGY CORP.  
TURNER "B" WATERFLOOD EXPANSION - DATA FOR C-108 SUBMITTAL

Operator-Original (Successor)	Lease & Well	Location (Unit)	Type Well	Casing Record Size & Depth Set	Total Depth	Completion Interval	Date Completed	Remarks
Sinclair (Hrcoco) (Rivon)	Turner "B" #50	660' FNL & 660' FHL (D) Sec. 29	Oil (MIM)	10-3/4" @ 598' 7" @ 3374'	3375'	3306-3310 (perf) 3314-3320 (perf) 3208-3224 (perf) 3172-3190 (perf) 3268-3285 (perf)	11/57 6/59 1/70	Converted to MIM 3/69
<del>Sinclair</del>	Turner "B" #75	330' FNL & 660' FHL (D)	Dry & Abd.	8-5/8" @ 1608'	9900'		1/61	P & R 1/10/61
Sinclair (Hrcoco) (Rivon)	Turner "B" #48	560' FNL & 1980' FHL (C) Sec. 29	Oil	9-5/8" @ 500' 7" @ 3431'	3431'	3214-3224 (perf) 3240-3322 (perf)	8/57 2/70	
<del>Sinclair</del> (Hrcoco) (Rivon)	Turner "B" #47	560' FNL & 1980' FEL (B) Sec. 29	Oil (MIM)	10-3/4" @ 556' 7" @ 3450'	3450'	3396-3412 (perf) 3243-3270 (perf) 3290-3366 (perf)	6/57 4/59 1/70	Converted to MIM 3/69
<del>Sinclair</del> (Hrcoco) (Rivon)	Turner "B" #59	560' FNL & 660' FEL (A) Sec. 29	Oil	10-3/4" @ 593' 5-1/2" @ 3486'	3486'	3290-3300 (perf) 3310-3314 (perf) 3448-3480 (perf) 3332-3418 (perf) 3080-3226 (perf)	2/59 2/70 11/90	
<del>Southern Production Co.</del> (Sinclair) (Hrcoco) (Socorro) (Rivon)	Turner "B" #43	660' FSL & 560' FHL (H) Sec. 20	Oil	8-5/8" @ 528' 5-1/2" @ 3237'	3241'	3062-3078 (perf) 3200-3210 (perf) 3148-3163 (perf) 2873-2994 (perf)	10/55 2/62 2/70 4/91	
Southern Production Co. (Sinclair) (Hrcoco) (Socorro) (Rivon)	Turner "B" #44	660' FSL & 2055' FHL (N) Sec. 20	Oil (MIM)	8-5/8" @ 471' 5-1/2" @ 3340'	3340'	3161-3176 (perf) 3185-3269 (perf)	11/55 2/70	Converted to MIM 3/69
Southern Production Co. (Sinclair) (Hrcoco) (Socorro) (Rivon)	Turner "B" #45	660' FSL & 2080' FEL (D) Sec. 20	Oil P & R	8-5/8" @ 558' 5-1/2" @ 3349'	3350'	3304-3317 (perf) 3172-3268 (perf) 3158-3166 (perf)	4/56 2/70 ?	TR 5/72 P & R 4/10/75
<del>Sinclair</del> (Hrcoco) (Rivon)	Turner "B" #72	330' FSL & 1980' FEL (D) Sec. 20	Oil	8-5/8" @ 1600' 4-1/2" @ 7233'	7233'	7164-7174 (perf) 7152-7158 (perf) 7136-7148 (perf) 7119-7124 (perf) 7153-7157 (perf) 7152-7156 (perf) 3162-3186 (perf) 3442-3445 (perf)	10/60 10/60 10/60 10/60 11/60 11/60 6/72 4/91	Sq. TR 1/27/71



RYON ENERGY CORP.  
TURNER "B" WATERFLOOD EXPANSION - DATA FOR C-108 SUBMITTAL

Operator-Original (Successor)	Lease & Well	Location (Unit)	Type Well	Casing Record Size & Depth Set	Total Depth	Completion Interval	Date Completed
✓ Southern Production Co. (Sinclair) (Arco) (Hondo) (Socorro) (Ryon)	Turner "B" #46	660' FSL & 760' FEL (P) Sec. 20	Oil (MIM)	8-5/8" @ 530' 5" 85-1/2" @ 3449'	3449'	3208-3226 (perf) 3306-3316 (perf)	6/56 1/70
✓ Ryon	Turner "B" #92	1305' FSL & 1350' FML (M) Sec. 20	Oil	8-5/8" @ 589' 5-1/2" @ 3800'	3800'	3194-3208 (perf) 3065-3131 (perf)	1/91
✓ Ryon	Turner "B" #93	1140' FSL & 2560' FML (M) Sec. 20	Oil	13-3/8" @ 452' 5-1/2" @ 3821' 8-5/8" @ 1421'	3821'	3633-3681 (perf) 3567-3586 (perf) 3330-3365 (perf) 3233-3276 (perf) 3100-3212 (perf) 2864-2968 (perf)	2/91
✓ Ryon	Turner "B" #94	1350' FSL & 1200' FEL (L) Sec. 20	Oil	11-3/4" @ 362' 5-1/2" @ 3870' 8-5/8" @ 1407'	3870'	3607-3614 (perf) 2942-3256 (perf)	3/91
✓ Sinclair (Arco) (Hondo) (Socorro) (Ryon)	Turner "B" #6?	1650' FSL & 660' FML (L) Sec. 20	Oil (MIM)	13-3/8" @ 470' 8-5/8" @ 3800' 4-1/2" liner from 3697'-7221'	7223'	7100-7125 (perf) 7099-7106 (perf) 7048-7054 (perf) 3155-3180 (perf) 3031-3044 (perf) 3060-3068 (perf)	7/60 7/60 8/60 8/60 2/70
✓ Sinclair (Arco) (Hondo) (Socorro) (Ryon)	Turner "B" #73	2050' FSL & 1980' FML (K) Sec. 20	Oil	9-5/8" @ 605' 7" @ 3530'	3530'	2890-3124 (perf)	1/68
✓ Sinclair (Arco) (Hondo) (Socorro) (Ryon)	Turner "B" #78	2080' FSL & 1980' FEL (J) Sec. 20	Oil (MIM)	8-5/8" @ 531' 4-1/2" @ 3600'	3600'	3046-3100 (perf) 3421-3468 (perf) 3046-3151 (perf)	8/61 1/68 1/70
✓ Sinclair (Arco) (Hondo) (Socorro) (Ryon)	Turner "B" #51	2055' FSL & 660' FEL (I) Sec. 20	Oil	8-5/8" @ 636' 5-1/2" @ 3210'	3338'	3070-3087 (perf) 3128-3190 (perf) 2811-2937 (perf)	1/58 3/68 3/91
✓ Ryon	Turner "B" #95	2610' FSL & 1000' FML (L) Sec. 20	Oil	8-5/8" @ 603' 5-1/2" @ 3700'	3700'	2815-3551 (perf)	2/91
✓ Ryon	Turner "B" #96	2590' FNL & 2590' FEL (G) Sec. 20	Oil	8-5/8" @ 597' 5-1/2" @ 3752'	3752'	2725-3514 (perf)	2/91
✓ Ryon	Turner "B" #97	2590' FNL & 1200' FEL (H) Sec. 20	Oil	11-3/4" @ 369' 5-1/2" @ 3789' 8-5/8" @ 1369'	3800'	2856-3582 (perf)	3/91

RUJON ENERGY CORP.  
TURNER "B" WATERFLOOD EXPANSION - DATA FOR C-108 SUBMITTAL

Operator-Original (Successor)	Lease & Well	Location (Unit)	Type Well	Casing Record Size & Depth Set	Total Depth	Completion Interval	Date Completed	
✓ Danciger (Sinclair) (Rrco) (Hondo) (Socorro) (Avon)	Turner "B" #11	1980' FNL & 660' FEL (H) Sec. 20	Oil (CHIM)	8-1/4" @ 561' 4-1/2" @ 3501'	7" @ 2829'	3506' 2829-3506 (OH) 3378-3494 (perf)	3/43 12/69	Converted
✓ Avon	Turner "B" #89	30' FNL & 1350' FEL (C) Sec. 29	Oil	8-5/8" @ 605'	5-1/2" @ 3800'	3800' 3117-3309 (perf)	1/91	
✓ Avon	Turner "B" #90	75' FNL & 2610' FNL (C) Sec. 29	Oil	8-5/8" @ 606'	5-1/2" @ 3603'	3603' 3181-3291 (perf) 3002-3086 (perf)	1/91 3/91	
✓ Avon	Turner "B" #91	140' FNL & 1270' FEL (R) Sec. 29	Oil	8-5/8" @ 598'	5-1/2" @ 3617'	3620' 3123-3382 (perf)	1/91	
✓ Avon Oil Co. (Sinclair) (Rrco) (Hondo) (Socorro) (Avon)	Friess #13	660' FSL & 710' FEL (P) Sec. 19	Oil (CHIM)	8-5/8" @ 514'	7" @ 3194'	3336' 3194-3336 (OH) 3072-3090 (perf) 3153-3186 (perf) 3044-3052 (perf)	6/55 7/57 6/72	Converted
✓ Avon Oil Co. (Sinclair) (Rrco) (Hondo) (Socorro) (Avon)	Friess #10	990' FSL & 330' FEL (P) Sec. 19	Oil	8-5/8" @ 494'	7" @ 1783'	2034' 1783-2034 (OH) 2925-3248 (perf) 3116-3171 (perf)	1/47 1/64 6/82	
✓ Avon Oil Co. (Rrco) (Harbob)	Friess #16	990' FSL & 355' FEL (P) Sec. 19	Oil	8-5/8" @ 1503'	5-1/2" @ 7048'	7067' 6972-6998 (perf)	9/61	TR 1/71 Flow 3/80
✓ Sinclair (Rrco)	Turner "B" #74	330' FNL & 990' FEL (R) Sec. 29	Oil	8-5/8" @ 1600'	4-1/2" @ 7250'	7250' 7148-7160 (perf) 7182-7192 (perf) 7134-5-7135.5 (perf) 7139-7141 (perf) 7076-7117 (perf)	11/60 12/60 11/61 11/61 3/65	Sq. Sq. 11/61 TR 3/65
✓ Sinclair (Rrco) (Harbob)	Turner "B" #73	380' FNL & 1980' FNL (C) Sec. 29	Oil (CHIM)	8-5/8" @ 1600'	4-1/2" @ 7185'	7185' 7084-7092 (perf) 7024-7036 (perf) 6982-6986 (perf) 6994-7008 (perf)	10/60 4/62	Converted Rbo 5/68
✓ Sinclair (Rrco) (Harbob)	Turner "B" #70	330' FSL & 660' FNL (H) Sec. 20	Oil (P & R)	8-5/8" @ 1600'	4-1/2" @ 7200'	7200' 7042-7058 (perf)	9/60	TR 1/71 P&R 12/87
✓ Sinclair (Rrco) (Harbob)	Turner "B" #69	380' FNL & 2310' FEL (B) Sec. 29	Oil	13-3/8" @ 312'	4-1/2" @ 7230'	7230' 7108-7132 (perf) 7122-7128 (perf) 7034-7057 (perf)	9/60 1/61 4/64	Sq. 1/61 Sq. 6/64 TR
✓ Sinclair (Rrco) (Harbob)	Turner "B" #65	330' FSL & 1980' FNL (H) Sec. 20	Oil	13-3/8" @ 477'	4-1/2" @ 7497'	7497' 7120-7152 (perf) 7122-7128 (perf)	5/60 1/62	Sq. 1/62 TR 1/71

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TOP OF GRAYBANE - SUBSEA (+)  
TOP OF CEMENT - LONG STRING - SUBSEA (+)  
TURNER B WATERFLOOD EXPANSION

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THE CONSERVATION DIVISION  
RECEIVED  
1991 JUN 3 10 9 40

AVON ENERGY CORP.  
P. O. BOX 37  
LOCO HILLS, NEW MEXICO 88255

505/677-3223

May 31, 1991

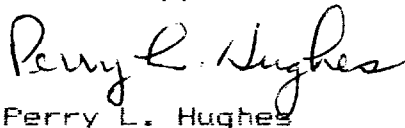
Mr. David Catanach  
New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Re: Avon Energy Corp.  
Turner "B" Lease Waterflood Expansion  
Eddy County, New Mexico

Dear Mr. Catanach:

Per our telephone conversation of May 30, 1991, following is the cementing information for all of the wells in the waterflood expansion area.

Sincerely,



Perry L. Hughes

Attachments

cc: Tom Kellahin (by mail)

AVON ENERGY CORP. - TURNER "B" WATERFLOOD EXPANSION  
 DATA FOR C-108 SUBMITTAL WITH CEMENT INFORMATION

Operator-Original (Successor)	Lease & Well	Location (Unit)	Casing Record Size & Depth Set
P Ashmun & Hilliard, No. 3 Ltd.	32 Simon State #1	SE/4 NE/4 Sec. 32 (H)	10-3/4" @ 619' w/100 sk 8-5/8" @ 1708'
P James G. Brown & Associates	State "M" #2	NW/4 NW/4 Sec. 32 (D)	8-5/8" @ 681' w/50 sk
P Tamarack Petroleum Co.	State "M" #1	NE/4 NW/4 Sec. 32 (C)	8-5/8" @ 700' w/50 sk 5-1/2" @ 3699' w/150 sk
P Socony Mobil Oil Co. (Arco)	New Mexico "U" #1	NW/4 NE/4 Sec. 32 (B)	8-5/8" @ 752' w/391 sk 5-1/2" @ 3810' w/150 sk
P Plemons & Hewitt (Jack L. McClellan)	Gulf Premier #1	NW/4 NE/4 Sec. 31 (A)	8-5/8" @ 608' w/50 sk 5-1/2" @ 3525' w/100 sk
P Schuster	Stagner #2	NE/4 NW/4 Sec. 31 (C)	8" @ 590' cmt. amt. unknown
Paul B. English (Three States Natural Gas Co.) (Marbob)	State #1	SW/4 NW/4 Sec. 30 (D)	8-1/4" @ 497' w/25 sk 5-1/2" @ 2927' w/100 sk
Plemons & Hewitt (Jack Plemons)	Max Friess #4	SE/4 NW/4 Sec. 30 (F)	8-5/8" @ 482' w/50 sk 5-1/2" @ 3104' w/150 sk
Skelly (Texaco)	Dow "B" #32 (Skelly Unit #100)	NW/4 SW/4 Sec. 28 (L)	8-5/8" @ 707' w/90 sk 5-1/2" @ 3632' w/370 sk TOC @ 1360'
P Skelly (Texaco)	Dow "B" #11 (Skelly Unit #91)	NW/4 NW/4 Sec. 28 (D)	10-3/4" @ 648' w/100 sk 7" @ 3043' w/150 sk
Skelly (Texaco)	Dow "B" #33 (Skelly Unit #93)	SE/4 NW/4 Sec. 28 (F)	8-5/8" @ 676' w/95 sk 5-1/2" @ 3609' w/365 sk
P Skelly (Texaco)	Dow "B" #31 (Skelly Unit #92)	SW/4 NW/4 Sec. 28 (E)	8-5/8" @ 686' w/125 sk 5-1/2" @ 3575' w/320 sk  4" liner from 3081'-3714' w/100 sk
Skelly (Texaco)	Dow "B" #23 (Skelly Unit #75)	SE/4 SW/4 Sec. 21 (N)	8-5/8" @ 663' w/150 sk 7" @ 3286' w/275 sk 4-1/2" liner from 3216'-3600' w/60 sk
Skelly	Dow "B" #22	SW/4 SW/4 Sec. 21 (M)	8-5/8" @ 652' w/155 sk 7" @ 3225' w/200 sk

AVON ENERGY CORP. - TURNER "B" WATERFLOOD EXPANSION  
 DATA FOR C-108 SUBMITTAL WITH CEMENT INFORMATION

Operator-Original (Successor)	Lease & Well	Location (Unit)	Casing Record Size & Depth Set
(Texaco)	(Skelly Unit #74)		4-1/2" liner from 3150'-3899' w/98 sx
Skelly (Texaco)	Dow "B" #25 (Skelly Unit #69)	NW/4 SW/4 Sec. 21 (L)	8-5/8" @ 640' w/ 160 sx 7" @ 3130' w/275 sx 4-1/2" liner from 3033'-3592' w/160 sx
P Sinclair (Arco) (Socorro) (Avon)	Turner "B" SP #76	SE/4 SE/4 Sec. 30 (P)	8-5/8" @ 542' w/100 sx 4-1/2" @ 3597' w/575 sx
P Sinclair (Arco)	Turner "B" #77	SW/4 SW/4 Sec. 30 (M)	13-3/8" @ 620' w/750 sx circ. 9-5/8" @ 2950' w/1000 sx circ. 7-5/8" @ 11475' w/500 sx TOC @ 8910'
P Sinclair (Arco) (Honda) (Socorro)	Turner "B" #57	NE/4 SW/4 Sec. 30 (K)	10-3/4" @ 691' w/100 sx
Sinclair (Arco) (Honda) (Socorro)	Turner "B" #56	NW/4 SE/4 Sec. 30 (J)	10-3/4" @ 630' w/100 sx 5-1/2" @ 3527' w/100 sx TOC @ 2990'
Sinclair (Arco) (Honda) (Socorro) (Avon)	Turner "B" #53	NE/4 SE/4 Sec. 30 (I)	10-3/4" @ 573' w/100 sx 5-1/2" @ 3524' w/150 sx
Danciger (Southern Prod. Co.) (Sinclair) (Arco) (Honda) (Socorro)	Max Friess #1	NW/4 NE/4 Sec. 30 (B)	8-1/4" @ 524' w/50 sx 7" @ 1852' w/100 sx 5" @ 2830' w/100 sx  2-7/8" liner from 2615'-3423' w/155 sx
Sinclair (Arco) (Honda) (Socorro) (Avon)	Max Friess #2	NE/4 NE/4 Sec. 30 (A)	10-3/4" @ 582' w/100 sx 7" @ 3300' w/100 sx TOC @ 2375'
P Sinclair (Arco) (Honda) (Socorro)	Max Friess #3	SW/4 NE/4 Sec. 30 (G)	10-3/4" @ 586' w/100 sx 7" @ 3451' w/100 sx TOC @ 2430'
Sinclair (Arco) (Honda) (Socorro) (Avon)	Max Friess #4	SE/4 NE/4 Sec. 30 (H)	10-3/4" @ 614' w/100 sx 7" @ 3396' w/100 sx TOC @ 2210'

AVON ENERGY CORP. - TURNER "B" WATERFLOOD EXPANSION  
 DATA FOR C-108 SUBMITTAL WITH CEMENT INFORMATION

Operator-Original (Successor)	Lease & Well	Location (Unit)	Casing Record Size & Depth Set
Avon	Max Friess #5	NE/4 NE/4 Sec. 30 (A)	12-3/4" @ 325' w/500 sk circ. 8-5/8" @ 1391' w/900 sk circ. 5-1/2" @ 3810' w/1100 sk circ.
Sinclair (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #71	SW/4 SW/4 Sec. 29 (M)	8-5/8" @ 590' w/100 sk 4-1/2" @ 3672' w/100 sk TOD @ 3155'
Sinclair (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #66	SE/4 SW/4 Sec. 29 (N)	8-5/8" @ 717' w/100 sk 4-1/2" @ 3706' w/125 sk TOD @ 3003'
Sinclair (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #63	SW/4 SE/4 Sec. 29 (O)	8-5/8" @ 700' w/100 sk 5" @ 3670' w/100 sk TOD @ 3115'
Sinclair (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #68	SE/4 SE/4 Sec. 29 (P)	8-5/8" @ 730' w/100 sk 4-1/2" @ 3718' w/130 sk TOD @ 3230'
Avon	Turner "B" #86	1335' FSL & 1305' FWL (L) Sec. 29	8-5/8" @ 601' w/465 sk 5-1/2" @ 3730' w/1225 sk circ.
Avon	Turner "B" #87	1335' FSL & 2625' FWL (K) Sec. 29	8-5/8" @ 605' w/465 sk circ. 5-1/2" @ 3725' w/1000 sk circ.
Avon	Turner "B" #88	1335' FSL & 1335' FEL (J) Sec. 29	8-5/8" @ 605' w/550 sk 5-1/2" @ 3745' w/1225 sk circ.
Sinclair (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #64	1980' FSL & 660' FWL (P) Sec. 29	8-5/8" @ 570' w/100 sk 5" @ 3576' w/100 sk
Sinclair (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #60	1980' FSL & 1980' FWL (K) Sec. 29	10-3/4" @ 625' w/100 sk 5-1/2" @ 3626' w/100 sk
Sinclair (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #61	1980' FSL & 1980' FEL (J) Sec. 29	10-3/4" @ 633' w/100 sk 5-1/2" @ 3661' w/100 sk
Sinclair (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #62	1980' FSL & 660' FEL (I) Sec. 29	8-5/8" @ 648' w/100 sk 5-1/2" @ 3690' w/100 sk
Avon	Turner "B" #80	2565' FSL & 1305' FWL (L) Sec. 29	8-5/8" @ 599' w/516 sk circ. 5-1/2" @ 3597' w/1600 sk circ.

AVON ENERGY CORP. - TURNER "B" WATERFLOOD EXPANSION  
 DATA FOR C-108 SUBMITTAL WITH CEMENT INFORMATION

Operator-Original (Successor)	Lease & Well	Location (Unit)	Casing Record Size & Depth Set
Avon	Turner "B" #81	2545' FSL & 2615' FEL (J) Sec. 29	8-5/8" @ 600' w/465 sx circ. 5-1/2" @ 3698' w/1130 sx circ.
Avon	Turner "B" #82	2550' FSL & 1335' FEL (J) Sec. 29	8-5/8" @ 602' w/624 sx circ. 5-1/2" @ 3724' w/1040 sx circ.
Sinclair (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #52	1980' FNL & 660' FWL (E) Sec. 29	10-3/4" @ 558' w/100 sx circ. 5-1/2" @ 3451' w/150 sx
Sinclair (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #54	1980' FNL & 1980' FWL (F) Sec. 29	10-3/4" @ 553' w/100 sx 5-1/2" @ 3525' w/125 sx TCC @ 2740'
Sinclair (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #49	1980' FNL & 1980' FEL (G) Sec. 29	10-3/4" @ 581' w/100 sx 7" @ 3502' w/100 sx TCC @ 2325'
Sinclair (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #55	1980' FNL & 660' FEL (H) Sec. 29	10-3/4" @ 631' w/100 sx 5-1/2" @ 3640' w/100 sx
P Sinclair (Arco)	Turner "B" #58	1650' FNL & 660' FWL (E) Sec. 29	10-3/8" @ 230' w/100 sx circ. 9-5/8" @ 3825' w/150 sx TCC @ 9430' 5-1/2" @ 9900' w/2503 sx
Avon	Turner "B" #83	1385' FNL & 1345' FWL (F) Sec. 29	8-5/8" @ 626' w/350 sx circ. 5-1/2" @ 3493' w/750 sx circ.
Avon	Turner "B" #84	1305' FNL & 2625' FEL (B) Sec. 29	8-5/8" @ 626' w/505 sx circ. 5-1/2" @ 3550' w/1650 sx circ.
Avon	Turner "B" #85	1305' FNL & 1335' FEL (B)	8-5/8" @ 630' w/350 sx circ. 5-1/2" @ 3597' w/1000 sx circ.
Sinclair (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #50	660' FNL & 660' FWL (D) Sec. 29	10-3/4" @ 592' w/100 sx 7" @ 3374' w/100 sx
P Sinclair	Turner "B" #75	330' FNL & 660' FWL (D)	8-5/8" @ 1608' w/650 sx circ.



AVON ENERGY CORP. - TURNER "B" WATERFLOOD EXPANSION  
 DATA FOR D-108 SUBMITTAL WITH CEMENT INFORMATION

Operator-Original (Successor)	Lease & Well	Location (Unit)	Casing Record Size & Depth Set
Sinclair (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #48	560' FNL & 1980' FNL (C) Sec. 29	9-5/8" @ 500' w/250 sk 7" @ 3471' w/200 sk
Sinclair (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #47	560' FNL & 1980' FEL (B) Sec. 29	10-3/4" @ 555' w/100 sk 7" @ 3450' w/100 sk
Sinclair (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #59	560' FNL & 660' FEL (A) Sec. 29	10-3/4" @ 597' w/100 sk 5-1/2" @ 3486' w/150 sk
Southern Production Co. (Sinclair) (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #43	660' FGL & 560' FNL (M) Sec. 20	8-5/8" @ 528' w/50 sk 5-1/2" @ 3237' w/125 sk
Southern Production Co. (Sinclair) (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #44	660' FGL & 2055' FNL (N) Sec. 20	8-5/8" @ 471' w/270 sk 5-1/2" @ 3340' w/125 sk
P Southern Production Co. (Sinclair) (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #45	660' FGL & 2080' FEL (O) Sec. 20	8-5/8" @ 558' w/50 sk 5-1/2" @ 3349' w/200 sk
Sinclair (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #72	330' FGL & 1980' FEL (D) Sec. 20	8-5/8" @ 1600' w/600 sk circ. 4-1/2" @ 7233' w/1300 sk circ.
Southern Production Co. (Sinclair) (Arco) (Hondo) (Socorro) (Avon)	Turner "B" #46	660' FGL & 760' FEL (P) Sec. 20	8-5/8" @ 530' w/50 sk 5" & 5-1/2" @ 3449' w/225 sk
Avon	Turner "B" #92	1305' FGL & 1350' FNL (N) Sec. 20	8-5/8" @ 589' w/465 sk circ. 5-1/2" @ 3800' w/1500 sk circ.
Avon	Turner "B" #93	1140' FGL & 2560' FNL (N) Sec. 20	10-3/8" @ 452' w/650 sk circ. 8-5/8" @ 1421' w/700 sk circ. 5-1/2" @ 3821' w/900 sk circ.

AVON ENERGY CORP. - TURNER "B" WATERFLOOD EXPANSION  
 DATA FOR C-108 SUBMITTAL WITH CEMENT INFORMATION

Operator-Original (Successor)	Lease & Well	Location (Unit)	Casing Record Size & Depth Set
Avon	Turner "B" #94	1750' FSL & 1200' FEL (I) Sec. 20	11-3/4" @ 362' w/425 ex circ. 8-5/8" @ 1407' w/600 ex circ. 5-1/2" @ 3870' w/1100 ex circ.
Sinclair (Arco) (Honda) (Socorro) (Avon)	Turner "B" #67	1650' FSL & 660' FWL (L) Sec. 20	17-3/8" @ 470' w/525 ex circ. 8-5/8" @ 3800' w/900 ex TDC @ 1010' 4-1/2" liner from 3697'-7221' w/910 ex
Sinclair (Arco) (Honda) (Socorro) (Avon)	Turner "B" #79	2050' FSL & 1980' FWL (K) Sec. 20	8-5/8" @ 605' w/350 ex circ. 7" @ 3530' w/500 ex TDC @ 1300'
Sinclair (Arco) (Honda) (Socorro) (Avon)	Turner "B" #78	2080' FSL & 1980' FEL (J) Sec. 20	8-5/8" @ 531' w/200 ex 4-1/2" @ 3600' w/250 ex TDC @ 2400'
Sinclair (Arco) (Honda) (Socorro) (Avon)	Turner "B" #51	2055' FSL & 660' FEL (I) Sec. 20	8-5/8" @ 536' w/100 ex 5-1/2" @ 3210' w/175 ex TDC @ 2230'
Avon	Turner "B" #95	2610' FSL & 1000' FWL (L) Sec. 20	8-5/8" @ 503' w/465 ex circ. 5-1/2" @ 3700' w/3050 ex TDC @ 1200'
Avon	Turner "B" #96	2590' FSL & 2590' FEL (G) Sec. 20	8-5/8" @ 597' w/600 ex circ. 5-1/2" @ 3752' w/2000 ex circ.
Avon	Turner "B" #97	2590' FSL & 1200' FEL (H) Sec. 20	11-3/4" @ 369' w/400 ex circ. 8-5/8" @ 1369' w/500 ex circ. 5-1/2" @ 3789' w/1050 ex circ.
Danziger (Sinclair) (Arco) (Honda) (Socorro) (Avon)	Turner "B" #11	1980' FSL & 660' FEL (H) Sec. 20	8-1/4" @ 561' w/50 ex 7" @ 3829' w/100 ex 4-1/2" @ 3501' w/200 ex
Avon	Turner "B" #89	70' FSL & 1750' FEL (D) Sec. 29	8-5/8" @ 605' w/465 ex circ. 5-1/2" @ 3800' w/2375 ex circ.
Avon	Turner "B" #90	75' FSL & 2610' FWL (D) Sec. 29	8-5/8" @ 606' w/465 ex circ. 5-1/2" @ 3603' w/1120 ex circ.
Avon	Turner "B" #91	140' FSL & 1270' FEL (A) Sec. 29	8-5/8" @ 598' w/465 ex circ. 5-1/2" @ 3617' w/1500 ex circ.

AVON ENERGY CORP. - TURNER "B" WATERFLOOD EXPANSION  
 DATA FOR 2-105 SUBMITTAL WITH CEMENT INFORMATION

Operator-Original (Successor)	Lease # Well	Location (Unit)	Casing Record Size & Depth Set
Fren Oil Co. (Sinclair) (Arco) (Hondo) (Bocorro) (Avon)	Friess #13	660' FSL & 710' FEL (P) Sec. 19	8-5/8" @ 514' w/50 ex 7" @ 1194' w/150 ex
Fren Oil Co. (Sinclair) (Arco) (Hondo) (Bocorro) (Avon)	Friess #10	990' FSL & 300' FEL (P) Sec. 19	8-5/8" @ 494' w/50 ex 7" @ 1783' w/130 ex 4-1/2" liner from 1715'-3008' w/225 ex
Fren Oil Co. (Arco) (Marbob)	Friess #16	990' FSL & 355' FEL (P) Sec. 19	8-5/8" @ 1503' w/574 ex circ. 5-1/2" @ 7048' w/1040 ex
P Sinclair (Arco)	Turner "B" #74	330' FNL & 990' FEL (A) Sec. 29	8-5/8" @ 1600' w/776 ex 4-1/2" @ 7230' w/1300 ex TOC @ 1520
Sinclair (Arco) (Marbob)	Turner "B" #73	380' FNL & 1980' FNL (D) Sec. 29	8-5/8" @ 1600' w/900 ex circ. 4-1/2" @ 7185' w/1100 ex TOC @ 590'
P Sinclair (Arco) (Marbob)	Turner "B" #70	330' FSL & 660' FNL (K) Sec. 20	8-5/8" @ 1600' w/900 ex 4-1/2" @ 7200' w/1300 ex circ.
Sinclair (Arco) (Marbob)	Turner "B" #69	380' FNL & 2010' FEL (B) Sec. 29	13-3/8" @ 310' w/100 ex 8-5/8" @ 1600' w/1100 ex circ. 4-1/2" @ 7230' w/1100 ex TOC @ 1400
Sinclair (Arco) (Marbob)	Turner "B" #65	330' FSL & 1980' FNL (N) Sec. 20	13-3/8" @ 477' w/525 ex 8-5/8" @ 3800' w/1000 ex 4-1/2" @ 7497' w/500 ex TOC @ 4800'

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AVON ENERGY CORP.  
P.O. BOX 37  
LOCO HILLS, NEW MEXICO 88255

505/677-3223

June 11, 1991

Mr. David Catanach  
New Mexico Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501

Re: Avon Energy Corp.  
Turner "B" Lease Waterflood Expansion  
Grayburg-San Andres Project  
Eddy County, New Mexico

Dear Mr. Catanach:

As you may recall, a part of the discussion during our meeting in Artesia on June 6, 1991 concerned the Stagner (Stogner) No.2 a plugged and abandoned well in Section 31, T1S, R31E. In further researching the situation, I found that the well location as plotted on the "cloud" map is in error. The correct location of the two wells involved are:

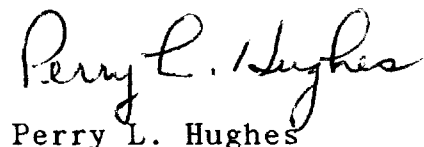
Turner "B" No. 76          660' FSL & 660' FEL (P) Sec. 30

Stagner No. 2            660' FNL & 1980' FWL (C) Sec. 31

Thus, these being standard locations, the wells are located about 2950 feet apart, significantly greater than one half mile.

Therefore, Avon believes that the Stagner No. 2 is not within the area of concern for the Turner "B" Waterflood and that no further action is required.

Sincerely,

  
Perry L. Hughes

PLH/dr

cc: Tom Kellahin

AVON ENERGY CORP. - TURNER "B" WATERFLOOD EXPANSION  
C-108 SUBMITTAL DATA

Current Operator	Lease & Well	Elevation	Location Section (Unit)	Casing & Cementing Record Size, Depth Set & Sacks	Hole Size In.	Top of Cement Measured/Subsea Depth	Determined By	Top of Grayburg Measured/Subsea Depth	Remarks
Ashmun & Hilliard, No. 3 Ltd.	32 Simon State #1	3731	Sec. 32 (H)	10-3/4" @ 619' w/100 sk 8-5/8" @ 1708' - pulled	12-1/2 10			3360 / 371	
James G. Brown & Associates	State "M" #2	3724	Sec. 32 (D)	8-5/8" @ 681' w/50 sk				3323 / 401	
Tamarack Petr. Co.	State "M" #1	3736	Sec. 32 (C)	8-5/8" @ 700' w/50 sk 5-1/2" @ 3699' w/150 sk	10-3/4 8	2737 / 999	Calculation	3303 / 433	
Arco	New Mexico "U" #1	3727	Sec. 32 (B)	8-5/8" @ 752' w/391 sk 5-1/2" @ 3810' w/150 sk	10 8	2848 / 879	Calculation	3192 / 535	
Jack L. McClellan	Gulf Premier #1	3669	Sec. 31 (A)	8-5/8" @ 609' w/50 sk 5-1/2" @ 3525' w/100 sk		2884 / 785	Calculation		No info.
Schuster	Stagner #2	3702	Sec. 31 (C)	8" @ 590' cnt. amt. unknown					No info.
Harbob	State #1		Sec. 30 (D)	8-1/4" @ 497' w/25 sk 5-1/2" @ 2927' w/100 sk	8	2286 / 1416	Calculation		No info.
Jack Plenums	Max Friess #4	3587	Sec. 30 (F)	8-5/8" @ 482' w/50 sk 5-1/2" @ 3104' w/150 sk	8	2142 / 1445	Calculation		No info.
Texaco	Dow "B" #32 (Skelly Unit #100)	DF 3764	Sec. 28 (L)	8-5/8" @ 707' w/90 sk 5-1/2" @ 3632' w/370 sk	8	1591 / 2173	Log	3200 / 564	
Texaco	Dow "B" #11 (Skelly Unit #91)	DF 3771	Sec. 28 (D)	10-3/4" @ 648' w/100 sk 7" @ 3043' w/150 sk	12-1/4 8-1/4	1360 / 2411	Log		No info.
Texaco	Dow "B" #33 (Skelly Unit #93)	DF 3771	Sec. 28 (F)	8-5/8" @ 676' w/95 sk 5-1/2" @ 3609' w/365 sk	8	1275 / 2496	Calculation	3149 / 622	
Texaco	Dow "B" #31 (Skelly Unit #92)	DF 3768	Sec. 28 (E)	8-5/8" @ 686' w/125 sk 5-1/2" @ 3575' w/320 sk 4" liner from 3081'-3714' w/100 sk	8	1524 / 2244	Calculation	3111 / 657	
Texaco	Dow "B" #23 (Skelly Unit #75)	DF 3805	Sec. 21 (M)	8-5/8" @ 663' w/150 sk 7" @ 3286' w/275 sk 4-1/2" liner from 3216'-3600' w/60 sk	8	Surface	Calculation		No info.
Texaco	Dow "B" #22 (Skelly Unit #74)	DF 3773	Sec. 21 (M)	8-5/8" @ 652' w/155 sk 7" @ 3225' w/200 sk 4-1/2" liner from 3150'-3899' w/98 sk	8	341 / 3432	Calculation		No info.

AVON ENERGY CORP. - TURNER "B" WATERFLOOD EXPANSION  
C-108 SUBMITTAL DATA

Current Operator	Lease & Well	Elevation	Location Section (Unit)	Casing & Cementing Record Size, Depth Set & Sacks	Hole Size In.	Top of Cement Measured/Subsea Depth	Determined By	Top of Grayburg Measured/Subsea Depth	Remarks
Texaco	Dow "B" #25 (Skelly Unit #69)	DF 3772	Sec. 21 (L)	8-5/8" @ 640' w/ 160 SK 7" @ 3130' w/275 SK 4-1/2" liner from 3033'-3592' w/160 SK	8	Surface	Calculation	2855 / 917	
Avon	Turner "B" SP #76	GR 3656	Sec. 30 (P)	8-5/8" @ 542' w/100 SK 4-1/2" @ 3597' w/575 SK	10 7-7/8	800 / 2856	TS-1989	3080 / 576	
Arco	Turner "B" #77	GR 3620	Sec. 30 (H)	13-3/8" @ 620' w/750 SK 9-5/8" @ 2950' w/1000 SK 7-5/8" @ 11475' w/500 SK		Circulated Circulated 8910 /		3027 / 593	
Socorro	Turner "B" #57	GR 3607	Sec. 30 (K)	10-3/4" @ 691' w/100 SK	12-1/2 7-7/8			2970 / 637	
Socorro	Turner "B" #56	3617	Sec. 30 (J)	10-3/4" @ 630' w/100 SK 5-1/2" @ 3527' w/100 SK	12-1/4 8	2980 / 637	Log	2991 / 626	
Avon	Turner "B" #53	GR 3636	Sec. 30 (I)	10-3/4" @ 573' w/100 SK 5-1/2" @ 3524' w/150 SK	12-1/4 8	2670 / 966	CBL - 1991	3008 / 628	
Socorro	Max Friess #1	DF 3583	Sec. 30 (B)	8-1/4" @ 524' w/50 SK 7" @ 1852' w/100 SK 5" @ 2830' w/100 SK	10 8 6-1/4			2822 / 761	
Avon	Max Friess #2	GR 3599	Sec. 30 (R)	2-7/8" liner from 2615'-3423' w/155 SK 10-3/4" @ 582' w/100 SK 7" @ 3300' w/100 SK		2615 / 968	Circulated		
Socorro	Max Friess #3	GR 3595	Sec. 30 (G)	10-3/4" @ 586' w/100 SK 7" @ 3451' w/100 SK		2375 / 1224	Log	2818 / 781	
Avon	Max Friess #4	GR 3616	Sec. 30 (H)	10-3/4" @ 614' w/100 SK 7" @ 3396' w/100 SK		2400 / 1195	Log	2878 / 697	
Avon	Max Friess #5	KB 3624	Sec. 30 (A)	12-3/4" @ 325' w/500 SK 8-5/8" @ 1391' w/800 SK 5-1/2" @ 3810' w/1100 SK	17-1/2 11 7-7/8	2210 / 1406	Log	2894 / 722	
Avon	Turner "B" #71	GR 3692	Sec. 29 (M)	8-5/8" @ 590' w/100 SK 4-1/2" @ 3672' w/100 SK	10 8	3130 / 562	CBL - 1991	3115 / 577	
Avon	Turner "B" #66	GR 3747	Sec. 29 (N)	8-5/8" @ 717' w/100 SK 4-1/2" @ 3706' w/125 SK	10 8	3034 / 713	CBL - 1991	3176 / 571	

AVON ENERGY CORP. - TURNER "B" WATERFLOOD EXPANSION  
C-108 SUBMITTAL DATA

Current Operator	Lease & Well	Elevation	Location Section (Unit)	Casing & Cementing Record Size, Depth Set & Sacks	Hole Size In.	Top of Cement Measured/Subsea Depth	Determined By	Top of Grayburg Measured/Subsea Depth	Remarks
Avon	Turner "B" #63	GR 3737	Sec. 29 (O)	8-5/8" @ 700' w/100 sx 5" @ 3670' w/100 sx	10 8	2810 / 917	CBL - 1991	3185 / 552	
Avon	Turner "B" #68	3747	Sec. 29 (P)	8-5/8" @ 730' w/100 sx 4-1/2" @ 3718' w/130 sx		3174 / 573	CBL - 1991	3226 / 521	
Avon	Turner "B" #86	KB 3719	Sec. 29 (L)	8-5/8" @ 601' w/465 sx 5-1/2" @ 3730' w/1225 sx	12-1/4 7-7/8	Circulated		3132 / 587	
Avon	Turner "B" #87	KB 3752	Sec. 29 (K)	8-5/8" @ 605' w/465 sx 5-1/2" @ 3725' w/1000 sx	12-1/4 7-7/8	Circulated		3186 / 566	
Avon	Turner "B" #88	KB 3758	Sec. 29 (J)	8-5/8" @ 605' w/550 sx 5-1/2" @ 3745' w/1225 sx	12-1/4 7-7/8	Circulated		3203 / 555	
Avon	Turner "B" #64	GR 3671	Sec. 29 (P)	8-5/8" @ 570' w/100 sx 5" @ 3576' w/100 sx	10 8	3026 / 645	CBL 1991	3040 / 631	
Avon	Turner "B" #60	GR 3736	Sec. 29 (K)	10-3/4" @ 625' w/100 sx 5-1/2" @ 3626' w/100 sx	8	3040 / 696	CBL 1990	3122 / 614	
Avon	Turner "B" #61	GR 3740	Sec. 29 (J)	10-3/4" @ 633' w/100 sx 5-1/2" @ 3661' w/100 sx	12-1/4 7-7/8	2195 / 1548 <i>2195 / 1548 CBL 1991</i>	CBL 1991	3148 / 592	
Avon	Turner "B" #62	GR 3749	Sec. 29 (I)	8-5/8" @ 648' w/100 sx 5-1/2" @ 3690' w/100 sx	10 8	2978 / 771	CBL 1990	3163 / 586	
Avon	Turner "B" #80	KB 3692	Sec. 29 (L)	8-5/8" @ 599' w/516 sx 5-1/2" @ 3597' w/1600 sx	12-1/4 7-7/8	Circulated		3046 / 646	
Avon	Turner "B" #81	KB 3756	Sec. 29 (J)	8-5/8" @ 600' w/465 sx 5-1/2" @ 3698' w/1150 sx	12-1/4 7-7/8	Circulated		3108 / 648	
Avon	Turner "B" #82	KB 3761	Sec. 29 (J)	8-5/8" @ 602' w/824 sx 5-1/2" @ 3724' w/1040 sx	12-1/4 7-7/8	Circulated		3128 / 633	
Avon	Turner "B" #52	GR 3646	Sec. 29 (E)	10-3/4" @ 558' w/100 sx 5-1/2" @ 3451' w/150 sx	12-1/2 8	2592 / 1054	CBL 1990	2940 / 706	
Avon	Turner "B" #54	GR 3696	Sec. 29 (F)	10-3/4" @ 553' w/100 sx 5-1/2" @ 3525' w/125 sx	12-1/2 8	2730 / 966	CBL 1991	3002 / 694	
Avon	Turner "B" #49	GR 3738	Sec. 29 (G)	10-3/4" @ 581' w/100 sx 7" @ 3502' w/100 sx		2490 / 1248	CBL 1991	3057 / 681	

AVON ENERGY CORP. - TURNER "B" WATERFLOOD EXPANSION  
C-108 SUBMITTAL DATA

Current Operator	Lease & Well	Elevation	Location Section (Unit)	Casing & Cementing Record Size, Depth Set & Sacks	Hole Size In.	Top of Cement Measured/Subsea Depth	Determined By	Top of Grayburg Measured/Subsea Depth	Remarks
Avon	Turner "B" #55	GR 3763	Sec. 29 (H)	10-3/4" @ 631' w/100 sk 5-1/2" @ 3640' w/100 sk	12 8	3084 / 679	CBL 1991	3100 / 663	
Arco	Turner "B" #58	GR 3644	Sec. 29 (E)	13-3/8" @ 230' w/300 sk 9-5/8" @ 3825' w/2508 sk 5-1/2" @ 9900' w/150 sk	17-1/2	Circulated 9450 /	Log 1959	2909 / 735	
Avon	Turner "B" #83	KB 3671	Sec. 29 (F)	8-5/8" @ 628' w/350 sk 5-1/2" @ 3493' w/950 sk	12-1/4 7-7/8	Circulated		2934 / 733	
Avon	Turner "B" #84	KB 3737	Sec. 29 (B)	8-5/8" @ 626' w/505 sk 5-1/2" @ 3550' w/1650 sk	12-1/4 7-7/8	Circulated		3007 / 730	
Avon	Turner "B" #85	KB 3751	Sec. 29 (B)	8-5/8" @ 630' w/350 sk 5-1/2" @ 3597' w/1000 sk	12-1/4 7-7/8	Circulated		3035 / 716	
Avon	Turner "B" #50	GR 3626	Sec. 29 (D)	10-3/4" @ 598' w/100 sk 7" @ 3374' w/100 sk	8-3/4	2275 / 1351	CBL 1991	2855 / 771	
Sinclair	Turner "B" #75	3626	Sec. 29 (D)	8-5/8" @ 1608' w/650 sk		Circulated		2825 / 801	
Avon	Turner "B" #48	GR 3675	Sec. 29 (C)	9-5/8" @ 500' w/250 sk 7" @ 3431' w/200 sk	8-3/4	2205 / 1470	CBL 1990	2884 / 791	
Avon	Turner "B" #47	3709	Sec. 29 (B)	10-3/4" @ 556' w/100 sk 7" @ 3450' w/100 sk		2412 / 1297	CBL 1991	2927 / 782	
Avon	Turner "B" #59	GR 3747	Sec. 29 (A)	10-3/4" @ 593' w/100 sk 5-1/2" @ 3486' w/150 sk		2126 / 1621	CBL 1990	2986 / 761	
Avon	Turner "B" #43	DF 3620	Sec. 20 (H)	8-5/8" @ 528' w/50 sk 5-1/2" @ 3237' w/125 sk		2627 / 993	CBL 1991	2768 / 852	
Avon	Turner "B" #44	DF 3684	Sec. 20 (N)	8-5/8" @ 471' w/270 sk 5-1/2" @ 3340' w/125 sk	12-1/4 7-7/8	2535 / 1149	TS 1955	2854 / 830	
Avon	Turner "B" #45	DF 3699	Sec. 20 (O)	8-5/8" @ 558' w/50 sk 5-1/2" @ 3349' w/200 sk	11 8	1803 / 1896	Calculation	2860 / 839	
Avon	Turner "B" #72	GR 3708	Sec. 20 (O)	8-5/8" @ 1600' w/600 sk 4-1/2" @ 7233' w/1300 sk	7-7/8	above 1400 2326	CBL 1991	2865 / 843	
Avon	Turner "B" #46	DF 3742	Sec. 20 (P)	8-5/8" @ 530' w/50 sk 5" @ 0-3050 5-1/2" @ 3050-3449 w/225 sk	10 8	2000 / 1742	Calculation	2890 / 852	



AVON ENERGY CORP. - TURNER "B" WATERFLOOD EXPANSION  
C-108 SUBMITTAL DATA

Current Operator	Lease & Well	Elevation	Location Section (Unit)	Casing & Cementing Record Size, Depth Set & Sacks	Hole Size In.	Top of Cement Measured/Subsea Depth	Determined By	Top of Grayburg Measured/Subsea Depth	Remarks
Avon	Turner "B" #92	KB 3654	Sec. 20 (N)	8-5/8" @ 589' W/465 SX 5-1/2" @ 3800' W/1500 SX	12-1/4 7-7/8	Circulated		2768 / 886	
Avon	Turner "B" #93	KB 3701	Sec. 20 (N)	13-3/8" @ 452' W/650 SX 8-5/8" @ 1421' W/700 SX 5-1/2" @ 3821' W/900 SX	17-1/2 12-1/4 7-7/8	Circulated		2824 / 877	
Avon	Turner "B" #94	KB 3754	Sec. 20 (I)	11-3/4" @ 362' W/425 SX 8-5/8" @ 1407' W/600 SX 5-1/2" @ 3870' W/1100 SX	14-3/4 11 7-7/8	Circulated		2864 / 890	
Avon	Turner "B" #67	GR 3625	Sec. 20 (L)	13-3/8" @ 470' W/525 SX 8-5/8" @ 3800' W/900 SX 4-1/2" liner from 3697'-7221' W/910 SX		1010 / 2615	Log	2740 / 885	
Avon	Turner "B" #79	GR 3665	Sec. 20 (K)	9-5/8" @ 605' W/350 SX 7" @ 3530' W/500 SX	8-3/4	1300 / 2365	Log	2733 / 932	
Avon	Turner "B" #78	GR 3688	Sec. 20 (J)	8-5/8" @ 531' W/200 SX 4-1/2" @ 3600' W/250 SX	11 6	2400 / 1288	Log	2748 / 940	
Avon	Turner "B" #51	GR 3733	Sec. 20 (I)	8-5/8" @ 636' W/100 SX 5-1/2" @ 3210' W/175 SX		2542 / 1191	CBL - 1991	2773 / 960	
Avon	Turner "B" #95	KB 3649	Sec. 20 (L)	8-5/8" @ 603' W/465 SX 5-1/2" @ 3700' W/3050 SX	12-1/4 7-7/8	1200 / 2444	CBL - 1991	2714 / 935	
Avon	Turner "B" #96	KB 3675	Sec. 20 (G)	8-5/8" @ 597' W/600 SX 5-1/2" @ 3752' W/3000 SX	12-1/4 7-7/8	Circulated		2742 / 933	
Avon	Turner "B" #97	KB 3722	Sec. 20 (H)	11-3/4" @ 369' W/400 SX 8-5/8" @ 1369' W/500 SX 5-1/2" @ 3789' W/1050 SX	14-3/4 11 7-7/8	Circulated		2760 / 962	
Avon	Turner "B" #11	GR 3710	Sec. 20 (H)	8-1/4" @ 561' W/50 SX 7" @ 2829' W/100 SX + 50 SX 4-1/2" @ 3501' W/200 SX	8 6-1/4	1180 / 2530	TS 1969	2734 / 976	
Avon	Turner "B" #89	KB 3645	Sec. 29 (C)	8-5/8" @ 605' W/465 SX 5-1/2" @ 3800' W/2375 SX	12-1/4 7-7/8	Circulated		2846 / 799	
Avon	Turner "B" #90	KB 3700	Sec. 29 (C)	8-5/8" @ 606' W/465 SX 5-1/2" @ 3603' W/1120 SX	12-1/4 7-7/8	Circulated		2888 / 812	
Avon	Turner "B" #91	KB 3732	Sec. 29 (A)	8-5/8" @ 598' W/465 SX 5-1/2" @ 3617' W/1500 SX	12-1/4 7-7/8	Circulated		2932 / 800	

AVON ENERGY CORP. - TURNER "B" WATERFLOOD EXPANSION  
C-108 SUBMITTAL DATA

Current Operator	Lease & Well	Elevation	Location Section (Unit)	Casing & Cementing Record Size, Depth Set & Sacks	Hole Size In.	Top of Cement Measured/Subsea Depth	Determined By	Top of Grayburg Measured/Subsea Depth	Remarks
Avon	Friess #13	DF 3596	Sec. 19 (P)	8-5/8" @ 514' w/50 sx 7" @ 3194' w/150 sx	8	2232 / 1364		2762 / 834	
Avon	Friess #10	GR 3599	Sec. 19 (P)	8-5/8" @ 494' w/50 sx 7" @ 1783' w/130 sx 4-1/2" liner from 1715'-3308' w/225 sx	8-1/4 6-1/4	Circulated 1715 / 1824		2785 / 814	
Marbob	Friess #16	KB 3612	Sec. 19 (P)	8-5/8" @ 1503' w/574 sx 5-1/2" @ 7048' w/1040 sx	11 7-7/8	Surface	Calculation	2764 / 848	
Arco	Turner "B" #74	DF 3748	Sec. 29 (R)	8-5/8" @ 1600' w/776 sx 4-1/2" @ 7250' w/1300 sx	11 7-7/8	1520 / 2228		2954 / 781	
Marbob	Turner "B" #73	GR 3660	Sec. 29 (C)	8-5/8" @ 1600' w/800 sx 4-1/2" @ 7185' w/1100 sx		590 / 3070		2975 / 685	
Marbob	Turner "B" #70	GR 3627	Sec. 20 (H)	8-5/8" @ 1600' w/900 sx 4-1/2" @ 7200' w/1300 sx		Circulated		2787 / 840	
Marbob	Turner "B" #69	GR 3688	Sec. 29 (B)	13-3/8" @ 312' w/100 sx 8-5/8" @ 1600' w/1100 sx 4-1/2" @ 7230' w/1100 sx	7-7/8	Circulated 1400 / 2288		2912 / 776	
Marbob	Turner "B" #65	GR 3676	Sec. 20 (N)	13-3/8" @ 477' w/525 sx 8-5/8" @ 3800' w/3300 sx 4-1/2" @ 7497' w/500 sx		4800 / 1124		2854 / 822	
Avon	Turner "B" #98	KB 3668	Sec. 29 (H)	12-3/4" @ 398' w/500 sx 8-5/8" @ 1485' w/700 sx 5-1/2" @ 3750' w/1100 sx	17-1/2 11 7-7/8	Circulated		3085 / 583	
Avon	Turner "B" #99	KB 3653	Sec. 29 (L)	12-3/4" @ 332' w/525 sx 8-5/8" @ 1418' w/800 sx 5-1/2" @ 3700' w/1250 sx	17-1/2 11 7-7/8	Circulated		2997 / 656	
Avon	Turner "B" #100	KB 3623	Sec. 20 (H)	11-3/4" @ 465' w/425 sx 8-5/8" @ 1422' w/550 sx 5-1/2" @ 3576' w/750 sx	14-3/4 11 7-7/8	Circulated		2794 / 829	

KELLAHIN, KELLAHIN AND AUBREY

ATTORNEYS AT LAW

EL PATIO BUILDING

117 NORTH GUADALUPE

POST OFFICE BOX 2265

SANTA FE, NEW MEXICO 87504-2265

TELEPHONE (505) 982-4285  
TELEFAX (505) 982-2047

W. THOMAS KELLAHIN  
KAREN AUBREY

CANDACE HAMANN CALLAHAN

JASON KELLAHIN  
OF COUNSEL

June 12, 1991

Mr. Michael E. Stogner  
Oil Conservation Division  
State Land Office  
Santa Fe, New Mexico 87504



HAND DELIVERED

Re: NMOCD Case No. 10290  
Application of Avon Energy Corp.  
for Expansion of Vertical Limits  
and Injection Pressure Increase,  
Turner "B" Waterflood, Eddy County  
New Mexico

RECEIVED

JUN 19 1991

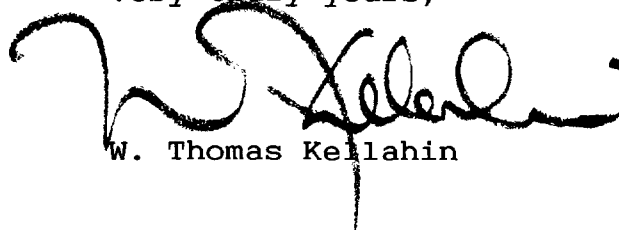
OIL CONSERVATION DIVISION

Dear Mr. Stogner:

On behalf of Avon Energy Corp., the application in the referenced case, we would appreciate this case now set for hearing on June 13, 1991 be continued to the next examiner's docket to provide additional time to gather data to support the application.

I am unaware of any party other than Avon appearing in this matter.

Very truly yours,



W. Thomas Kellahin

WTK/tic

cc: T.M. Hatfield  
BHI Energy Corporation  
1153 Dairy Ashford, Suite 803  
Houston, Texas 77079

2074/1trt612.600

KELLAHIN, KELLAHIN AND AUBREY

ATTORNEYS AT LAW

EL PATIO BUILDING

117 NORTH GUADALUPE

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SANTA FE, NEW MEXICO 87504-2265

W. THOMAS KELLAHIN  
KAREN AUBREY

TELEPHONE (505) 982-4285  
TELEFAX (505) 982-2047

JASON KELLAHIN  
OF COUNSEL

June 21, 1991

**RECEIVED**

JUN 21 1991

OIL CONSERVATION DIV.  
SANTA FE

Mr. William J. LeMay  
Oil Conservation Division  
State Land Office  
Santa Fe, New Mexico 87504

HAND DELIVERED

Re: NMOCD Case No. 10290  
Avon Energy Corporation for Amendment  
of Division Order Nos. R-3185, R-3185-A  
and R-3528 to Expand the Vertical Limits  
and to Establish an Injection Pressure  
Limitation for the Turner "B" Lease  
Waterflood Project, Eddy County,  
New Mexico

Dear Mr. LeMay:

On behalf of Avon Energy Corporation, I filed an application for the above referenced case which is scheduled for Examiner hearing on June 27, 1991.

Avon desires that this case be continued to the Examiner docket scheduled for August 8, 1991.

Very truly yours,

W. Thomas Kellahin

WTK/tic

cc: Mr. Perry Hughes  
Avon Energy Corporation  
310 W. Wall, Suite 915  
Midland, Texas 79702

2074/1trt621.600

KELLAHIN, KELLAHIN AND AUBREY

ATTORNEYS AT LAW

EL PATIO BUILDING

117 NORTH GUADALUPE

POST OFFICE BOX 2265

SANTA FE, NEW MEXICO 87504-2265

CONSERVATION DIVISION

TELEPHONE (505) 982-4285  
TELEFAX (505) 982-2047

W. THOMAS KELLAHIN  
KAREN AUBREY

JASON KELLAHIN  
OF COUNSEL

August 12, 1991

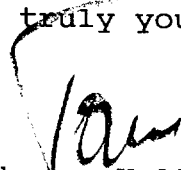
Mr. David Catanach  
Oil Conservation Division  
P.O. Box 2088  
Santa Fe, NM 87501

RE: Application of Avon Energy Corporation  
for Expansion of Vertical Limits and  
Increase Injection Pressure Tuner "B"  
Lease Waterflood

Dear David:

Please find enclosed the original and two copies  
of my Certificate of Mailing of Notification of the  
Hearing held on August 8, 1991 in the referenced case.

Very truly yours,



W. Thomas Kellahin

WTK/jcl  
Enclosures

1trt812.600

STATE OF NEW MEXICO  
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

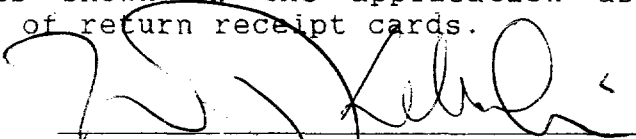
IN THE MATTER OF THE HEARING CALLED  
BY THE OIL CONSERVATION DIVISION FOR  
THE PURPOSE OF CONSIDERING:

CASE NO. 10290

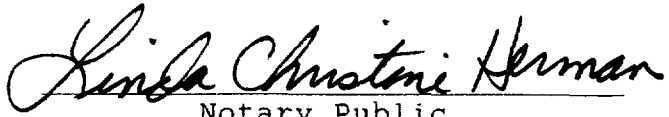
IN THE MATTER OF THE APPLICATION  
OF AVON ENERGY CORPORATION FOR  
AMENDMENT OF ORDER R-3528 AND R3185  
TO EXPAND THE TURNER "B" LEASE  
WATERFLOOD PROJECT AND TO INCREASE  
THE INJECTION PRESSURE LIMITATION  
EDDY COUNTY, NEW MEXICO.

CERTIFICATE OF MAILING  
AND  
COMPLIANCE WITH ORDER R-8054

In accordance with the Division Rule 1207 (Order R-8054), I hereby certify that on March 27, 1991, I caused to be mailed by certified mail return-receipt requested notice of this hearing and a copy of the application for the above referenced case along with the cover letter, at least twenty days prior to the hearing set for August 8, 1991, to the parties shown in the application as evidenced by the attached copies of return receipt cards.

  
W. Thomas Kellahin

SUBSCRIBED AND SWORN to before me this 7th day of August,  
1991.

  
Notary Public

My Commission Expires:

September 10, 1994

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. (Extra charge)      2.  Restricted Delivery (Extra charge)

3. Article Addressed to: Marbob Energy Corp. P O Drawer 217 Artesia, NM 88210  Avon Turner "B" WTK	4. Article Number P 572 125 136  Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
5. Signature - Addressee X <i>Misti McLuig</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery 03-29-91	

PS Form 3811, Apr. 1989      \*U.S.G.P.O. 1989-238-815      **DOMESTIC RETURN RECEIPT**

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
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1.  Show to whom delivered, date, and addressee's address. (Extra charge)      2.  Restricted Delivery (Extra charge)

3. Article Addressed to: Texaco, Inc. P.O. Box 2100 Denver, CO 80201 ATTN: R.R. O'Dwyer  Avon Turner "B" WTK	4. Article Number P 572 125 135  Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X <i>[Signature]</i>	
7. Date of Delivery 4/8/91	

PS Form 3811, Apr. 1989      \*U.S.G.P.O. 1989-238-815      **DOMESTIC RETURN RECEIPT**

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1.  Show to whom delivered, date, and addressee's address. (Extra charge)      2.  Restricted Delivery (Extra charge)

3. Article Addressed to: Yates Petroleum 105 South 4th Street Artesia, NM 88210  Turner "B" WTK	4. Article Number P 572 125 138  Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X <i>Mike Dural</i>	
7. Date of Delivery 03-29-91	

PS Form 3811, Apr. 1989      \*U.S.G.P.O. 1989-238-815      **DOMESTIC RETURN RECEIPT**

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1.  Show to whom delivered, date, and addressee's address. (Extra charge)      2.  Restricted Delivery (Extra charge)

3. Article Addressed to: OCD Post Office Drawer DD Artesia, New Mexico 88210 ATTN: Mike Williams Avon Turner "B" WTK	4. Article Number P 676 666 260 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid)  RECEIVED APR 02 1991
6. Signature — Agent X <i>[Signature]</i>	
7. Date of Delivery 4-1-91	

PS Form 3811, Apr. 1989

\*U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

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1.  Show to whom delivered, date, and addressee's address. (Extra charge)      2.  Restricted Delivery (Extra charge)

3. Article Addressed to: Jack Plemons P. O. Box 64574 Lubbock, TX 79464 Avon Turner "B" WTK	4. Article Number P 572 125 140 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee X <i>Russell Plemons</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X	
7. Date of Delivery 4-2-91	

PS Form 3811, Apr. 1989

\*U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

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1.  Show to whom delivered, date, and addressee's address. (Extra charge)      2.  Restricted Delivery (Extra charge)

3. Article Addressed to: H. E. Yates (HEYCO) P. O. Box 1933 Roswell, NM 88202 Turner "B" WTK	4. Article Number P 572 125 137 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid)  RECEIVED APR 02 1991
6. Signature — Agent X <i>[Signature]</i>	
7. Date of Delivery 4-1-91	

PS Form 3811, Apr. 1989

\*U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT



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1.  Show to whom delivered, date, and addressee's address. (Extra charge)      2.  Restricted Delivery (Extra charge)

3. Article Addressed to: Socorro Petroleum Co. 310 W. Wall, Suite 915 Midland, Texas 79701  Tuner "B" Avon WTK	4. Article Number P 572 125 139  Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
Always obtain signature of addressee or agent and <b>DATE DELIVERED</b> .	
5. Signature — Addressee X Dawn Robertson	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X	
7. Date of Delivery 4-1	

PS Form 3811, Apr. 1989

\* U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

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1.  Show to whom delivered, date, and addressee's address. (Extra charge)      2.  Restricted Delivery (Extra charge)

3. Article Addressed to: BLM Post Office Box 1778 Carlsbad, New Mexico 88220  Avon Turner "B" WTK	4. Article Number P 676 666 265  Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
Always obtain signature of addressee or agent and <b>DATE DELIVERED</b> .	
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X	
7. Date of Delivery 4/2/91	

PS Form 3811, Apr. 1989

\* U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

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1.  Show to whom delivered, date, and addressee's address. (Extra charge)      2.  Restricted Delivery (Extra charge)

3. Article Addressed to: Commissioner of Public Lands Oil & Gas Division Post Office Box 1148 Santa Fe, New Mexico 87501 ATTN: Floyd Prondo  Avon Turner "B" WTK	4. Article Number P 676 666 266  Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
Always obtain signature of addressee or agent and <b>DATE DELIVERED</b> .	
5. Signature — Addressee X Mike	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X	
7. Date of Delivery	

PS Form 3811, Apr. 1989

\* U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

STATE OF NEW MEXICO  
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

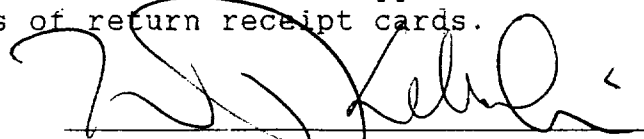
IN THE MATTER OF THE HEARING CALLED  
BY THE OIL CONSERVATION DIVISION FOR  
THE PURPOSE OF CONSIDERING:

CASE NO. 10290

IN THE MATTER OF THE APPLICATION  
OF AVON ENERGY CORPORATION FOR  
AMENDMENT OF ORDER R-3528 AND R3185  
TO EXPAND THE TURNER "B" LEASE  
WATERFLOOD PROJECT AND TO INCREASE  
THE INJECTION PRESSURE LIMITATION  
EDDY COUNTY, NEW MEXICO.

CERTIFICATE OF MAILING  
AND  
COMPLIANCE WITH ORDER R-8054

In accordance with the Division Rule 1207 (Order R-8054), I hereby certify that on March 27, 1991, I caused to be mailed by certified mail return-receipt requested notice of this hearing and a copy of the application for the above referenced case along with the cover letter, at least twenty days prior to the hearing set for August 8, 1991, to the parties shown in the application as evidenced by the attached copies of return receipt cards.



W. Thomas Keillanin

SUBSCRIBED AND SWORN to before me this 7th day of August, 1991.



Linda Christine Herman  
Notary Public



My Commission Expires:  
September 10, 1994

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to: Marbob Energy Corp. P O Drawer 217 Artesia, NM 88210 Avon Turner "B" WTK	4. Article Number P 572 125 136
	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee X <i>Misti McLuig</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery 03-29-91	

PS Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to: Texaco, Inc. P.O. Box 2100 Denver, CO 80201 ATTN: R.R. O'Dwyer Avon Turner "B" WTK	4. Article Number P 572 125 135
	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X <i>[Signature]</i>	
7. Date of Delivery 4/8/91	

PS Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

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1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to: Yates Petroleum 105 South 4th Street Artesia, NM 88210 Turner "B" WTK	4. Article Number P 572 125 138
	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X <i>Mike Burch</i>	
7. Date of Delivery 03-29-91	

PS Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

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1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to: OCD Post Office Drawer DD Artesia, New Mexico 88210 ATTN: Mike Williams Avon Turner "B" WTK	4. Article Number P 676 666 260 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and <u>DATE DELIVERED.</u>
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)  RECEIVED APR 02 1991
6. Signature - Agent X <i>[Signature]</i>	
7. Date of Delivery 4-1-91	

PS Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

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1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to: Jack Plemons P. O. Box 64574 Lubbock, TX 79464 Avon Turner "B" WTK	4. Article Number P 572 125 140 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and <u>DATE DELIVERED.</u>
5. Signature - Addressee X <i>Russell Plemons</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery 4-2-91	

PS Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

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1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to: H. E. Yates (HEYCO) P. O. Box 1933 Roswell, NM 88202 Turner "B" WTK	4. Article Number P 572 125 137 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and <u>DATE DELIVERED.</u>
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)  RECEIVED APR 02 1991
6. Signature - Agent X <i>[Signature]</i>	
7. Date of Delivery 4-1-91	

PS Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

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1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to: Socorro Petroleum Co. 310 W. Wall, Suite 915 Midland, Texas 79701  Tuner "B" Avon WTK	4. Article Number P 572 125 139 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and <u>DATE DELIVERED</u> .
5. Signature — Addressee X <i>Dawn Lebertson</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X	
7. Date of Delivery 4-1	

PS Form 3811, Apr. 1989

\*U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

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1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to: BLM Post Office Box 1778 Carlsbad, New Mexico 88220  Avon Turner "B" WTK	4. Article Number P 676 666 265 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and <u>DATE DELIVERED</u> .
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X	
7. Date of Delivery <i>4/2/91</i>	

PS Form 3811, Apr. 1989

\*U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

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1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to: Commissioner of Public Lands Oil & Gas Division Post Office Box 1148 Santa Fe, New Mexico 87501 ATTN: Floyd Prondo  Avon Turner "B" WTK	4. Article Number P 676 666 266 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and <u>DATE DELIVERED</u> .
5. Signature — Addressee X <i>Mike L</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X	
7. Date of Delivery	

PS Form 3811, Apr. 1989

\*U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

STATE OF NEW MEXICO  
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

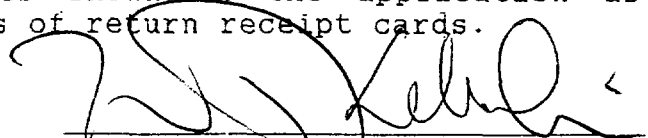
IN THE MATTER OF THE HEARING CALLED  
BY THE OIL CONSERVATION DIVISION FOR  
THE PURPOSE OF CONSIDERING:

CASE NO. 10290

IN THE MATTER OF THE APPLICATION  
OF AVON ENERGY CORPORATION FOR  
AMENDMENT OF ORDER R-3528 AND R3185  
TO EXPAND THE TURNER "B" LEASE  
WATERFLOOD PROJECT AND TO INCREASE  
THE INJECTION PRESSURE LIMITATION  
EDDY COUNTY, NEW MEXICO.

CERTIFICATE OF MAILING  
AND  
COMPLIANCE WITH ORDER R-8054

In accordance with the Division Rule 1207 (Order R-8054), I hereby certify that on March 27, 1991, I caused to be mailed by certified mail return-receipt requested notice of this hearing and a copy of the application for the above referenced case along with the cover letter, at least twenty days prior to the hearing set for August 8, 1991, to the parties shown in the application as evidenced by the attached copies of return receipt cards.




W. Thomas Kellahin

SUBSCRIBED AND SWORN to before me this 7th day of August, 1991.



Linda Christoni Herman  
Notary Public



My Commission Expires:  
September 10, 1994

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
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3. Article Addressed to: Marbob Energy Corp. P O Drawer 217 Artesia, NM 88210  Avon Turner "B" WTK	4. Article Number P 572 125 136  Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
Always obtain signature of addressee or agent and <u>DATE DELIVERED.</u>	
5. Signature - Addressee X <i>Misti McLaugh</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery 03-29-91	

PS Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

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Always obtain signature of addressee or agent and <u>DATE DELIVERED.</u>	
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X <i>[Signature]</i>	
7. Date of Delivery 4/8/91	

PS Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

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3. Article Addressed to: Yates Petroleum 105 South 4th Street Artesia, NM 88210  Turner "B" WTK	4. Article Number P 572 125 138  Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
Always obtain signature of addressee or agent and <u>DATE DELIVERED.</u>	
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X <i>Mike Durd</i>	
7. Date of Delivery 03-29-91	

PS Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

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1.  Show to whom delivered, date, and addressee's address. (Extra charge)      2.  Restricted Delivery (Extra charge)

3. Article Addressed to: OCD Post Office Drawer DD Artesia, New Mexico 88210 ATTN: Mike Williams Avon Turner "B" WTK	4. Article Number P 676 666 260 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and <u>DATE DELIVERED.</u>
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)  RECEIVED APR 02 1991
6. Signature - Agent X <i>Mike Williams</i>	
7. Date of Delivery 4-1-91	

PS Form 3811, Apr. 1989      \*U.S.G.P.O. 1989-238-815      **DOMESTIC RETURN RECEIPT**

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3. Article Addressed to: Jack Plemons P. O. Box 64574 Lubbock, TX 79464 Avon Turner "B" WTK	4. Article Number P 572 125 140 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and <u>DATE DELIVERED.</u>
5. Signature - Addressee X <i>Russell Plemons</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery 4-2-91	

PS Form 3811, Apr. 1989      \*U.S.G.P.O. 1989-238-815      **DOMESTIC RETURN RECEIPT**

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1.  Show to whom delivered, date, and addressee's address. (Extra charge)      2.  Restricted Delivery (Extra charge)

3. Article Addressed to: H. E. Yates (HEYCO) P. O. Box 1933 Roswell, NM 88202 Turner "B" WTK	4. Article Number P 572 125 137 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and <u>DATE DELIVERED.</u>
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)  RECEIVED APR 02 1991
6. Signature - Agent X <i>Sharon Yates</i>	
7. Date of Delivery 4-1-91	

PS Form 3811, Apr. 1989      \*U.S.G.P.O. 1989-238-815      **DOMESTIC RETURN RECEIPT**



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1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to: Socorro Petroleum Co. 310 W. Wall, Suite 915 Midland, Texas 79701  Tuner "B" Avon WTK	4. Article Number P 572 125 139 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee X Dawn Robertson	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery 4-1	

PS Form 3811, Apr. 1989

\*U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

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3. Article Addressed to: BLM Post Office Box 1778 Carlsbad, New Mexico 88220  Avon Turner "B" WTK	4. Article Number P 676 666 265 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery 4/2/91	

PS Form 3811, Apr. 1989

\*U.S.G.P.O. 1989-238-815

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3. Article Addressed to: Commissioner of Public Lands Oil & Gas Division Post Office Box 1148 Santa Fe, New Mexico 87501 ATTN: Floyd Prondo  Avon Turner "B" WTK	4. Article Number P 676 666 266 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee X Mike L	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery	

PS Form 3811, Apr. 1989

\*U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

KELLAHIN, KELLAHIN AND AUBREY

ATTORNEYS AT LAW

EL PATIO BUILDING

117 NORTH GUADALUPE

POST OFFICE BOX 2265

SANTA FE, NEW MEXICO 87504-2265

TELEPHONE (505) 982-4285

TELEFAX (505) 982-2047

W. THOMAS KELLAHIN  
KAREN AUBREY

JASON KELLAHIN  
OF COUNSEL

August 19, 1991

Mr. David Catanach  
Oil Conservation Division  
State Land Office  
310 Old Santa Fe Trail  
Santa Fe, NM 87503

HAND DELIVERED

RE: Avon Energy Corporation Turner "B"  
Waterflood, NMOCD Case No. 10290

Dear Mr. Catanach:

In accordance with your request at the hearing held on August 8, 1991 please find enclosed a proposed draft order and a copy of draft order on a floppy disk for your consideration.

Very truly yours,



W. Thomas Kellahin

WTK/jcl  
Enclosures  
cc w/enclosure:  
Ken Peters  
Perry Hughes

ltrt819.600

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

Case No. 10290  
Order No. R-3528-A

APPLICATION OF AVON ENERGY  
CORPORATION FOR AMENDMENT  
OF DIVISION ORDERS R-3185,  
R-3185-A AND R-3528 TO  
EXPAND THE VERTICAL LIMITS AND  
INCREASE THE INJECTION PRESSURE  
LIMITATION FOR THE EXPANSION AREA  
OF THE TURNER "B" LEASE WATERFLOOD  
PROJECT, EDDY COUNTY, N.M.

AVON ENERGY CORPORATION  
PROPOSED ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on August 8, 1991, at Santa Fe, New Mexico before Examiner David R. Catanach.

NOW, on this \_\_\_ day of August, 1991, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Avon Energy Corporation, seeks amendments to Division Orders R-3185, R-3185-A and R-3528 to expand the vertical limits, to establish an injection pressure limitation of 450 psi above the formation parting pressure as determined by step rate tests, to provide administrative procedures for further increases to the surface injection pressure limitation, for the drilling of additional producers/injectors or

converting producers to injectors at standard and unorthodox locations in the entire Grayburg-San Andres formation of the Grayburg-Jackson Pool within the Expansion Area of the Turner "B" Lease Waterflood Project being the S/2 S/2 of Section 20, all of Section 29 and SE/4 of Section 30, T17S, R31E, Eddy County, New Mexico.

(3) On February 1, 1967, the Division by Order R-3185 authorized injection of water without pressure limitation into the Grayburg-San Andres formations (including the Premier sands) in the Grayburg-Jackson Pool in the Turner "B" Lease Waterflood Project.

(4) On February 19, 1972, the Division by Order R-3185-A amended the prior order and corrected some of the well locations for the previously approved injection wells.

(5) On October 22, 1968, The Division by Order R-3528 approved the expansion of the Turner "B" Lease Waterflood Project ("Expansion Area") authorizing the injection of water without surface injection pressure limitation through injection wells Nos. 44, 46, 47, 50, 54, 55, 56, 61, 64, 66, 68 and 76 into the Premier sand of the Grayburg formation of the Grayburg-Jackson Pool for an area described as the S/2S/2 of Section 20, all of Section 29 and SE/4 of Section 30, T17S, R31E, NMPM.

(6) Decline curve analysis and analogy to waterflood recovery from the Turner "B" Project area shows that if sufficient volumes of water are injected through the injection wells and if the vertical limits of the flood are increased as requested, an additional 2.3 millions barrels of additional oil may be recovered from the Expansion Area which would not otherwise be recovered.

(7) Injection volumes with either the 0.2 psi/ft gradient limitation (650 psi) or at a limitation based upon the parting pressure of 1200 psi is not sufficient to recover the estimated additional 2.3 millions barrels of oil recoverable from the Expansion Area.

(8) Step-rate tests have been conducted on three injection wells in the Expansion Area. The number and location of the wells from which step-rate tests have already been taken is adequate and sufficient from

which to determine accurately the formation parting pressure and therefore no further step-rate tests need be taken.

(9) The applicant's engineering study of pressure limits based upon Frac Hite and Frac Migration Logs (Exhibit 5) and upon After Frac Logs (Exhibit 7) provides substantial evidence to demonstrate that injection at 1650 psi (450 psi above the formation parting pressure) will not propagate fractures outside of the vertical limits of the Grayburg-Jackson Pool.

(10) The requested increase in surface pressure limitations for the Expansion area will approximate the surface injection pressure for the original injection wells for which no pressure limit was imposed.

(11) Engineering studies conducted on behalf of the applicant have demonstrated that the water injected into the original injection wells at pressures up to an average of 1870 psi remained confined to the Grayburg-Jackson Pool.

(12) There is no indication that water injected into the original injection wells at pressures higher than those sought by the applicant in this case has moved water outside of the vertical limits of the Grayburg-Jackson Pool.,

(13) Further, since the water injection rates and pressures sought by the applicant are far below the fracture treatment rates and pressures used for this pool, water injected at the requested surface pressure limitation will be confined to the authorized flood interval.

(14) Applicant's request is similar to the request previously approved by the Division Order R-2268-C for Socorro Petroleum Company and for which no adverse affects have been reported.

(15) Applicant has submitted Division Form C-108 from which the Division has determined that remedial action is required to bring the top of the cement to 500 feet above the top perforation, and if not, then to the satisfaction of the Division District Supervisor, in the following wells: 55, 56, 60, 68 and 71.

(16) As the reservoir pressure in the Expansion Area increases as a result of the injection of water, it will be necessary to periodically adjust the surface pressure limitation for the project which should be authorized administratively.

(17) To provide the applicant with operational flexibility, an administrative procedure should be adopted to provide a method for obtaining administratively the approval of additional injection or producers at either standard or unorthodox locations.

(18) According to the evidence presented, there are no fresh water aquifers located above or below the Grayburg-Jackson Pool in this area.

(19) Injection into the twelve subject injection wells at a surface injection pressure of approximately 450 psi above formation fracture pressure will allow the recovery of additional oil reserves within the Grayburg-Jackson Pool, thereby preventing waste, will not endanger any fresh water aquifers, and should therefore be approved.

(20) Inasmuch as the injection pressures authorized by this order are based upon the current formation fracture pressure of the Grayburg which, because of previous production, fracturing or prior injection, are less than the formation fracture pressure for other sands in the Grayburg-San Andres formations of the Grayburg-Jackson Pool, the Division Director should also have the authority to administratively increase the surface injection pressures on the subject injection wells.

IT IS THEREFORE ORDERED THAT:

(1) Division Orders R-3185, R-3185-A and R-3528 are hereby amended authorizing Avon Energy Corporation to injection water into the Grayburg-San Andres formations of the Grayburg-Jackson Pool through twelve previously approved injection wells located within the Expansion Area of the Turner "B" Lease Waterflood Project, Eddy County, New Mexico at a surface injection pressure of not more than 1650 psi.

(2) The Division Director shall have the authority to administratively approve subsequent pressure increases on said wells, provided, however, that Step-Rate Tests,

Temperature Surveys, Tracer Surveys or other supporting data accompany such requests.

(3) The Division Director shall have the authority to administratively approve the drilling of new injection wells or the conversation of producers to injector at both standard and unorthodox well locations.

(4) The Division Director shall also have the authority to reduce or rescind said injection pressures should it become apparent that the injected fluid is not being adequately confined to the Grayburg-Jackson Pool.

(5) Prior to authorizing the requested surface injection pressure for the Expansion Area, the applicant shall be required to demonstrate to the Division District Supervisor that adequate remedial action has been satisfactorily completed to bring the top of the cement to 500 feet above the top perforations, and if not, then to the satisfaction of the Division District Supervisor, in the Project Wells Nos. 55, 60, 68 and 71.

(6) Prior to injection into Project Injection Well No. 56, the applicant shall demonstrate to the Division District Supervisor that adequate remedial action has been satisfactorily completed in this well to bring the top of the cement to 500 feet above the top perforations, and if not, then to the satisfaction of the District Supervisor.

(7) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY  
Director



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

BRUCE KING  
GOVERNOR

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

September 24, 1991

KELLAHIN, KELLAHIN & AUBREY  
Attorneys at Law  
P. O. Drawer 2265  
Santa Fe, New Mexico 87504

RE: CASE NO. 10290  
ORDER NO. R-3528-A

Dear Sir:

Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.

Sincerely,

A handwritten signature in cursive script that reads "Florene'".

Florene Davidson  
OC Staff Specialist

FD/sl

cc: BLM - Carlsbad



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING  
GOVERNOR



POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

December 3, 1991

Avon Energy Corporation  
c/o Jerry W. Long  
2709 Resolana Drive  
Roswell, New Mexico 88201

*RE: Administrative Order NSL-3079 (Issued in compliance with  
Division Order No. R-3528-A)*

Dear Mr. Long:

Reference is made to your applications dated October 25, November 1, and November 5, 1991 on behalf of Avon Energy Corporation for a total of eight non-standard oil well locations to permit the completion of an efficient production/injection pattern within Socorro Petroleum Company's Turner "B" Grayburg-Jackson and Grayburg-Jackson Friess-Fren Waterflood Projects, Eddy County, New Mexico. It is our understanding that you further seek approval to transfer such corresponding dedicated acreage into the Avon Energy Corporation's Turner "B" Grayburg-Jackson Waterflood Project as per the provisions of Division Order No. R-3528-A.

By authority granted me under the provisions of General Rule 104F.(1), the following eight non-standard oil well locations are hereby approved. In addition, by authority granted me under Decretory Paragraph No. (6) of Division Order No. R-3528-A, the following wells and corresponding dedicated acreage are hereby transferred into the Avon Energy Corporation Turner "B" Grayburg-Jackson Waterflood Project.

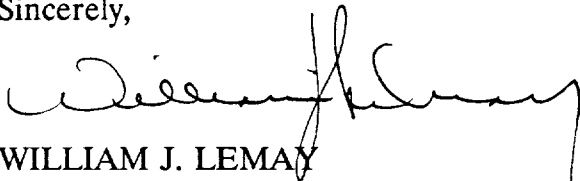
TURNER "B" LEASE  
TOWNSHIP 17 SOUTH, RANGE 31 EAST, NMPM

Well No.	Footage Location	Section	Unit	Dedicated 40-Acre Tract
101	990' FNL - 1150' FWL	20	D	NW/4 NW/4
102	990' FNL - 2590' FWL	20	C	NE/4 NW/4
103	1300' FNL - 1370' FEL	20	B	NW/4 NE/4
104	160' FSL - 1370' FWL	17	N	SE/4 SW/4
105	15' FSL - 2625' FEL	17	O	SW/4 SE/4
106	15' FSL - 1305' FEL	17	P	SE/4 SE/4

MAX FRIESS "MA" LEASE  
TOWNSHIP 17 SOUTH, RANGE 31 EAST, NMPM

Well No.	Footage Location	Section	Unit	Dedicated 40-Acre Tract
6	1270' FNL - 1460' FEL	30	B	NW/4 NE/4
7	2610' FNL - 1460' FEL	30	G	SW/4 NE/4

Sincerely,

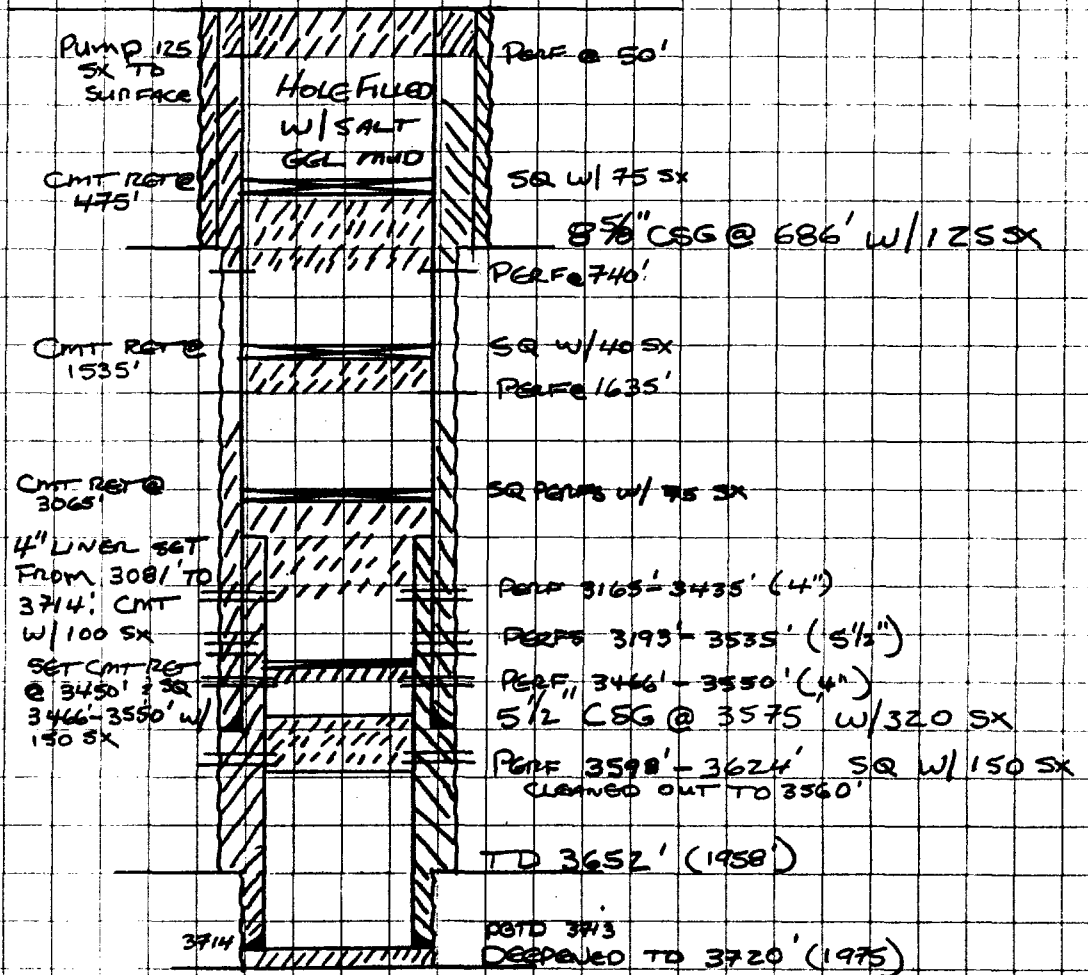


WILLIAM J. LEMAY  
Director

WJL/MES/jc

cc: Oil Conservation Division - Artesia  
U.S. Bureau of Land Management - Carlsbad  
Case File: 10290 ✓  
David Catanach - OCD  
Alta Energy Corp. - Denver, CO

SKELLY  
TEXACO  
DOW "B" #31 SKELLY UNIT #92  
660' FWL & 1980' FNL (E) SEC 28 T17S R31E  
COMPLETED 12/58  
PEA 11/90



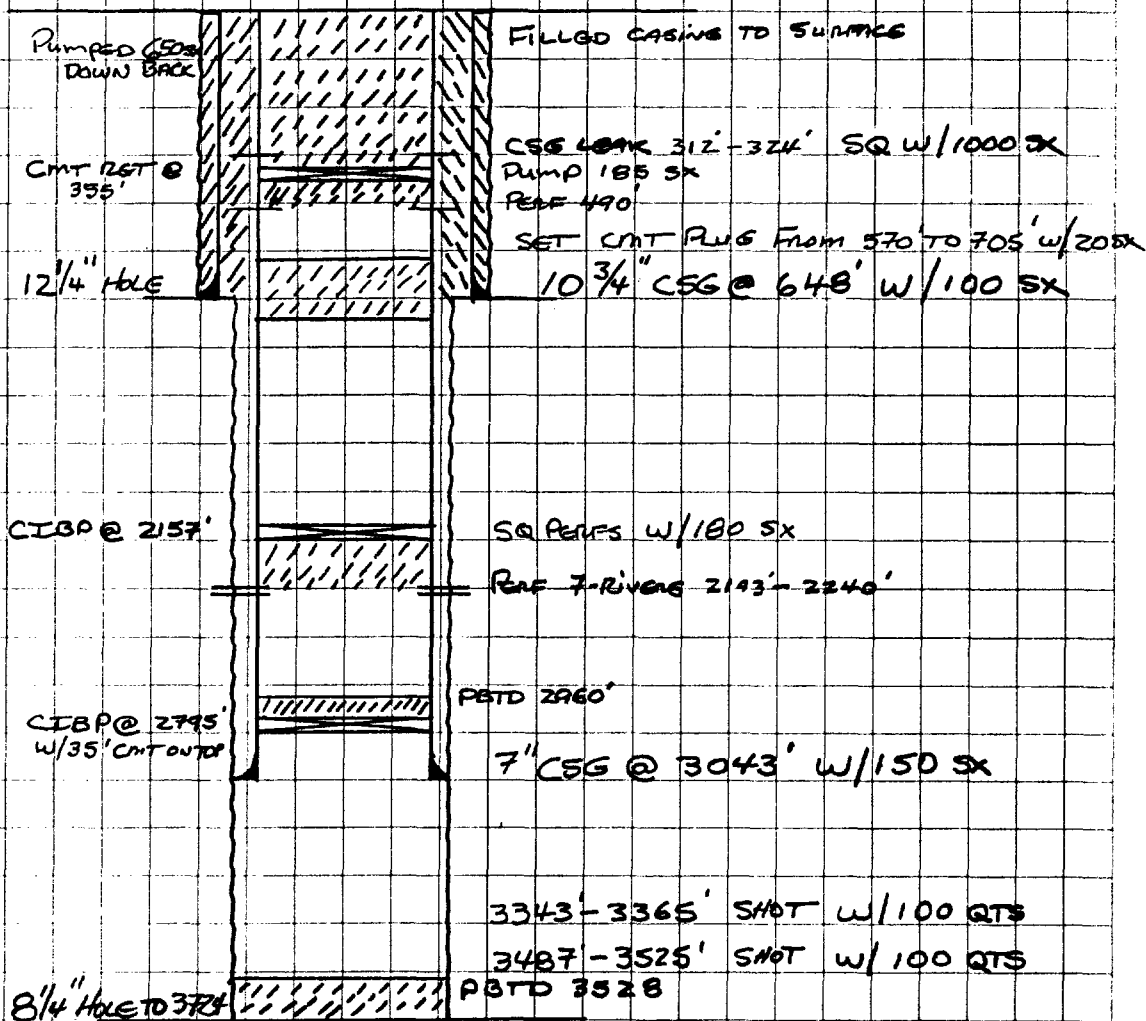
SKELLY  
TEXACO

Dow "B" #11 SKELLY Unit # 91

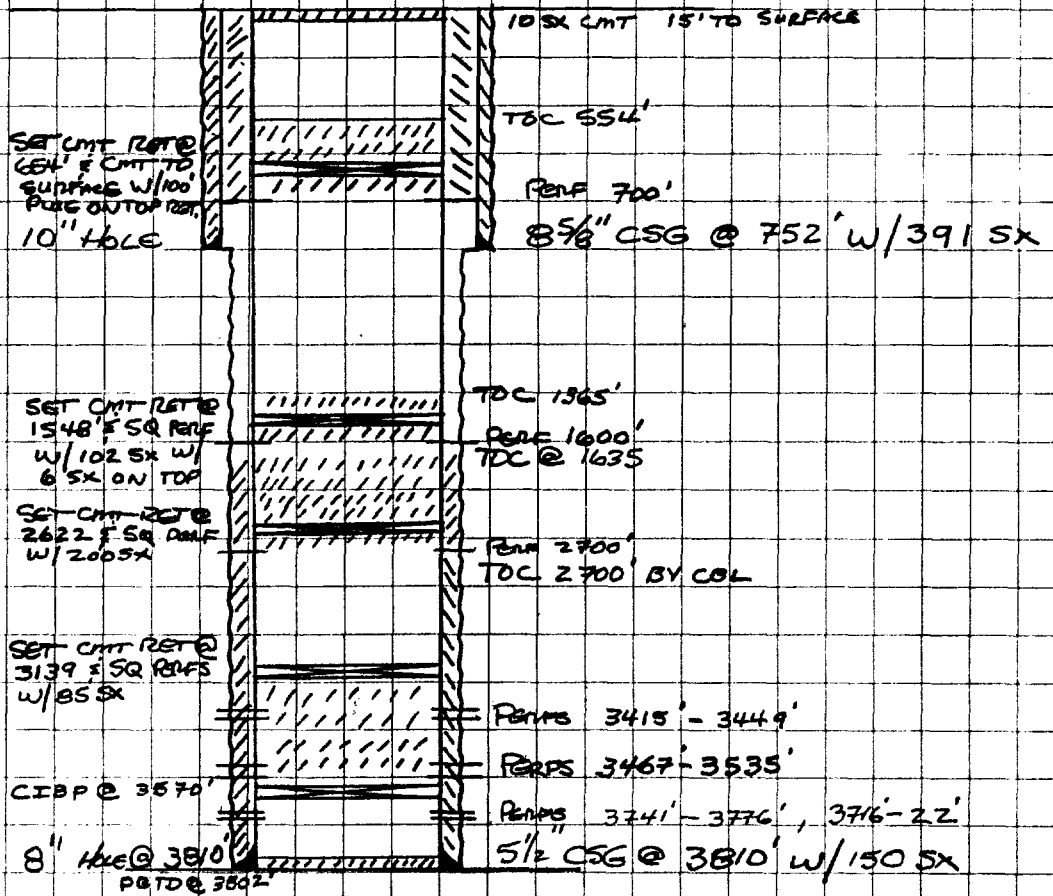
660' FWL ± 660' FNL (D) SEC 28 T17S R31E

Completed 11/46

PFA 5/90



SOCONY MOBIL OIL Co.  
ARCO  
New Mexico "U" #1  
1980' FEL 330' FNL (B) SEC 32 17S 31E  
COMPLETED 1/60  
PEA 8/79



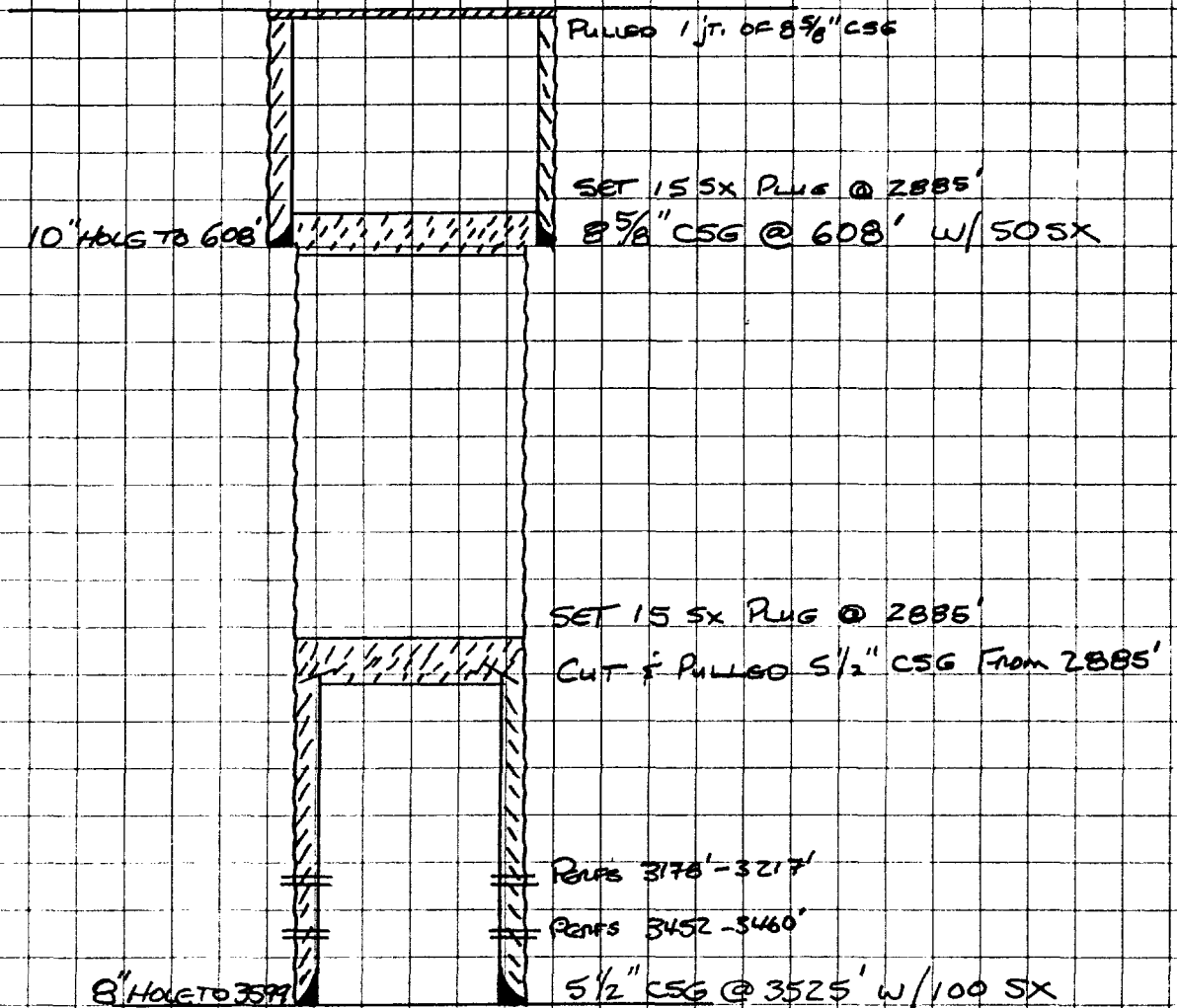
REMONS & HEWITT

JACK L. McCLELLAN

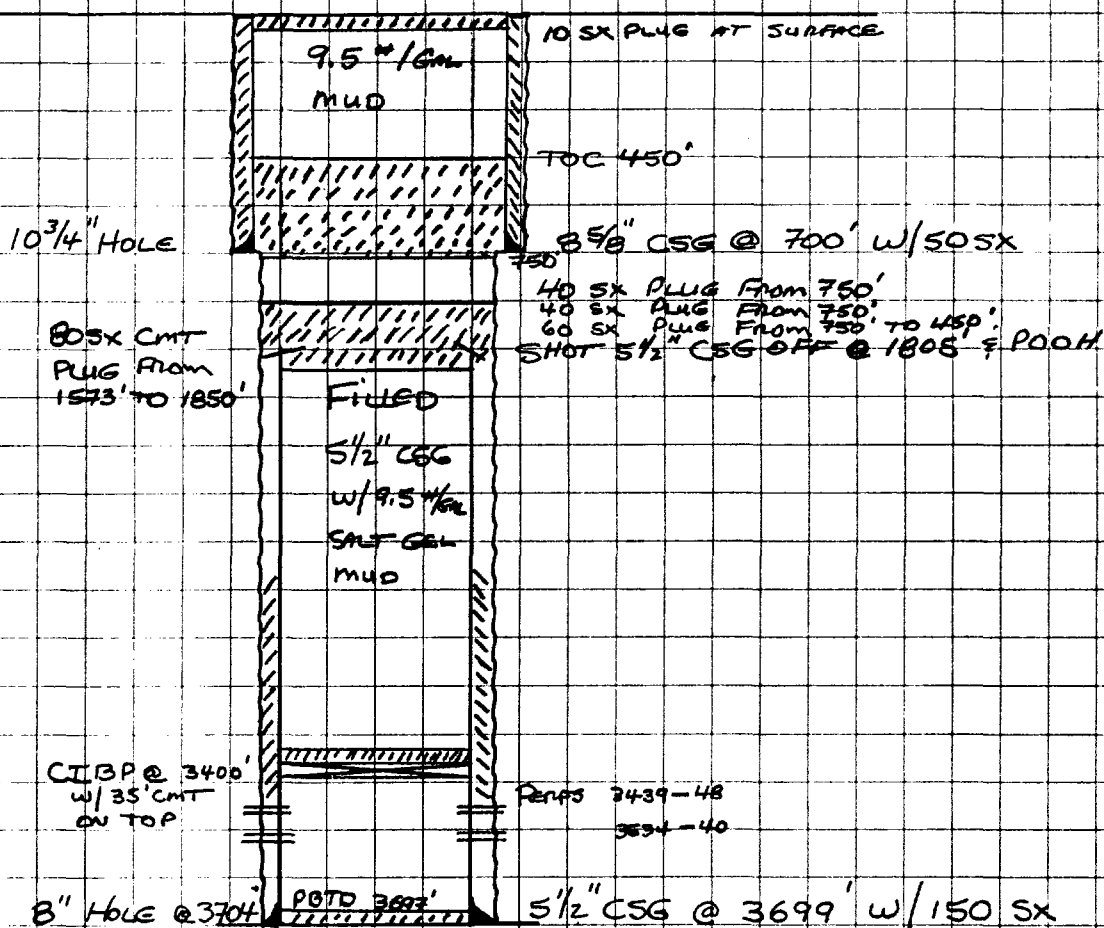
GULF PREMIER #1 (A) NE/4 NE/4 SEC 31 T17S R31E

COMPLETED 10/60

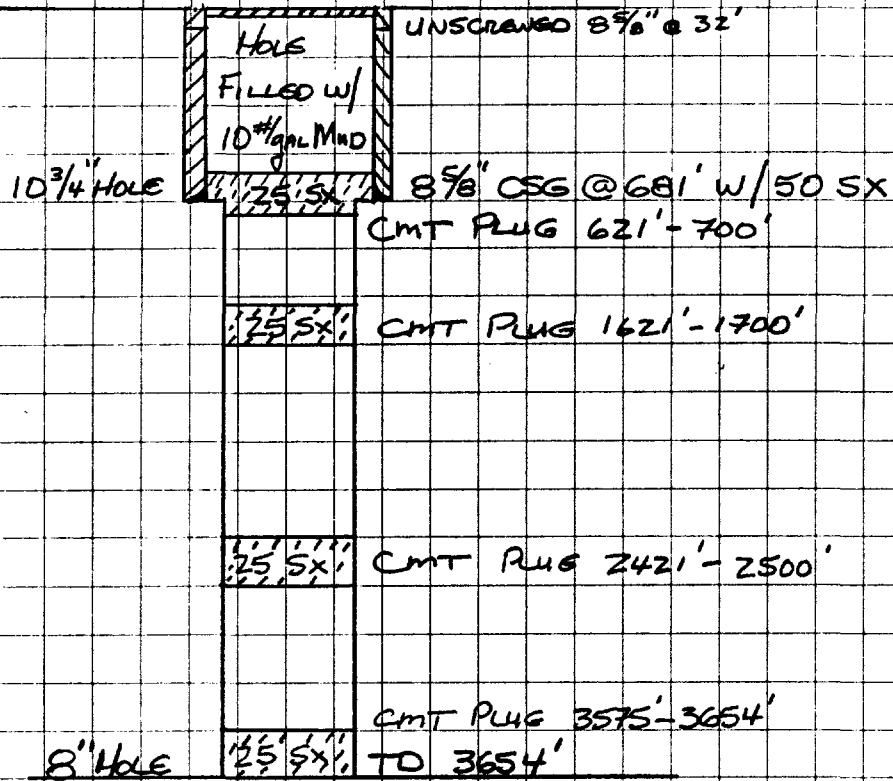
PEA 4/6Z



TAMARACK Petroleum Co., Inc  
STATE "M" #1  
330' FNL E Z310' FWL (C) SEC 32 17S 31E  
P & A 3/29/80

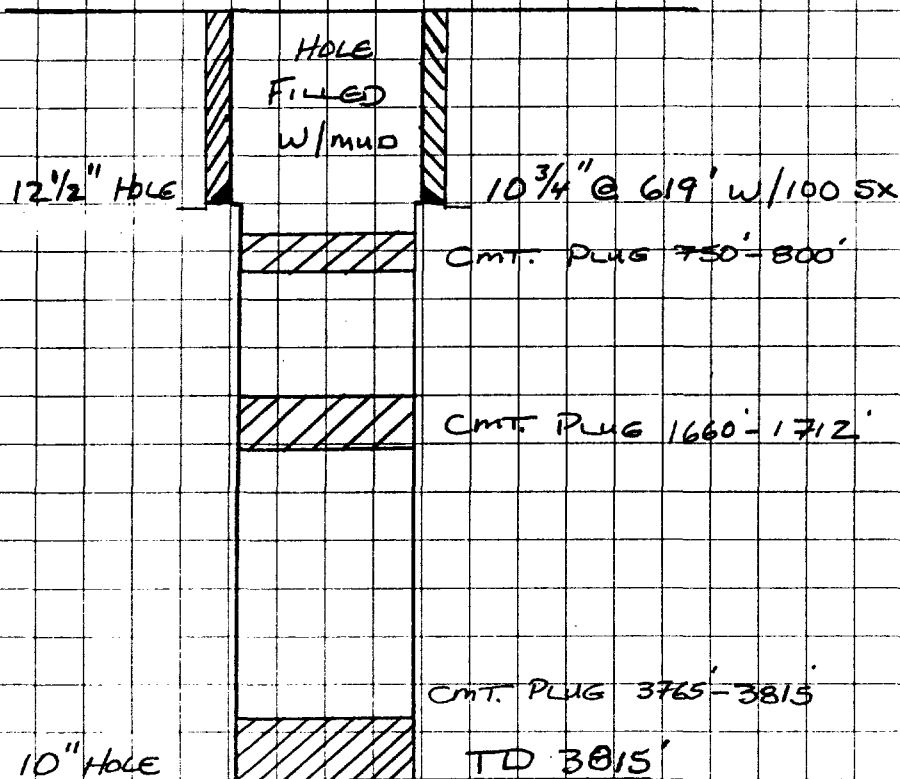


JAMES G. BROWN & ASSOCIATES  
STATE "M" #2  
NW/4 NW/4 SEC. 32 (D) T7S R31E  
D & A 8/61

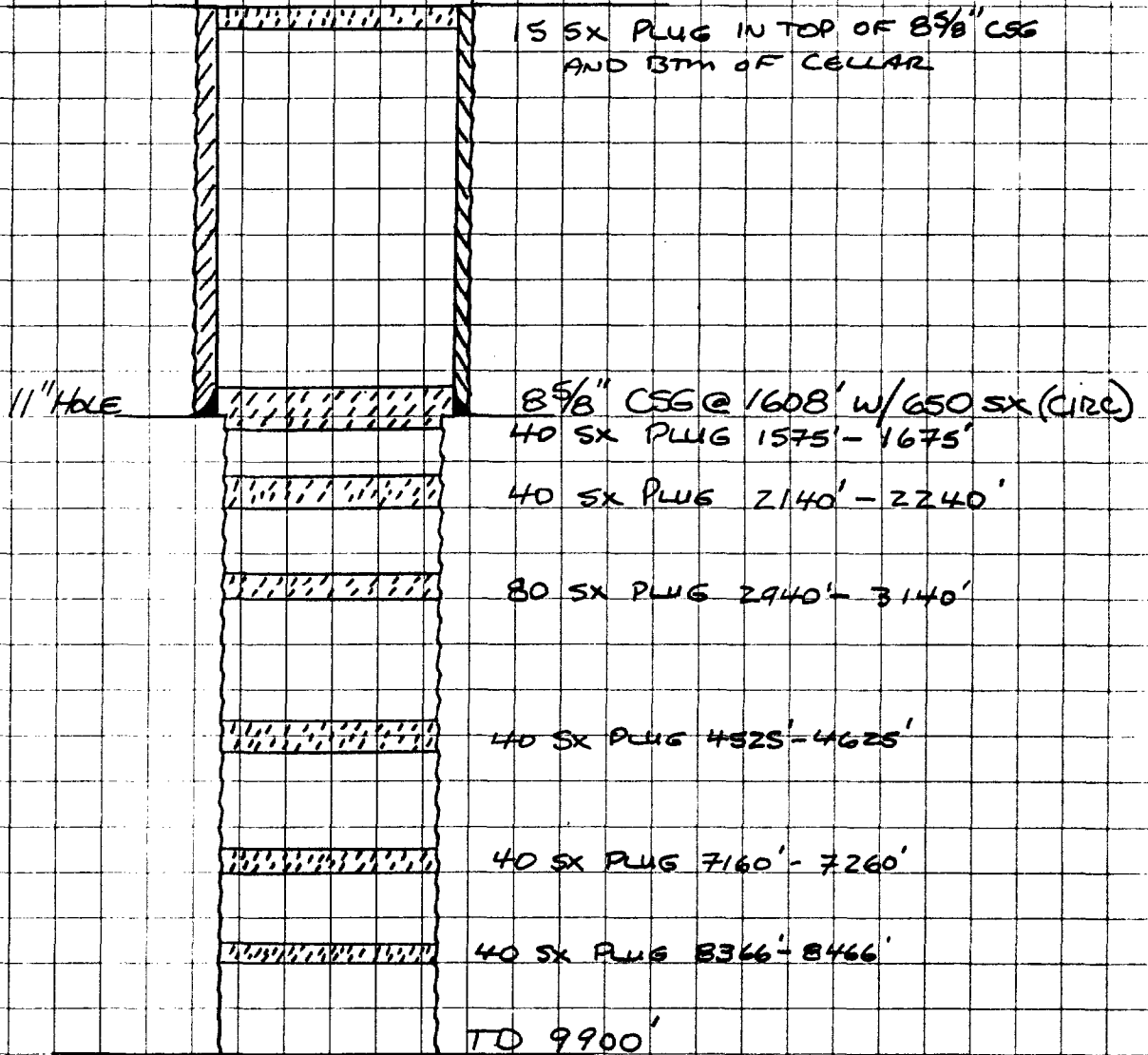




ASHMUN & HILLIARD, No. 3 LTD  
32 SIMON STATE #1  
SE 1/4 NE 1/4 SEC. 32(H) 175 31E  
DEA 6/60



SINCLAIR  
Turner "B" #75  
330' FNL = 660' FWL (D) SEC 29 T77S R31E  
PEA 1/10/61



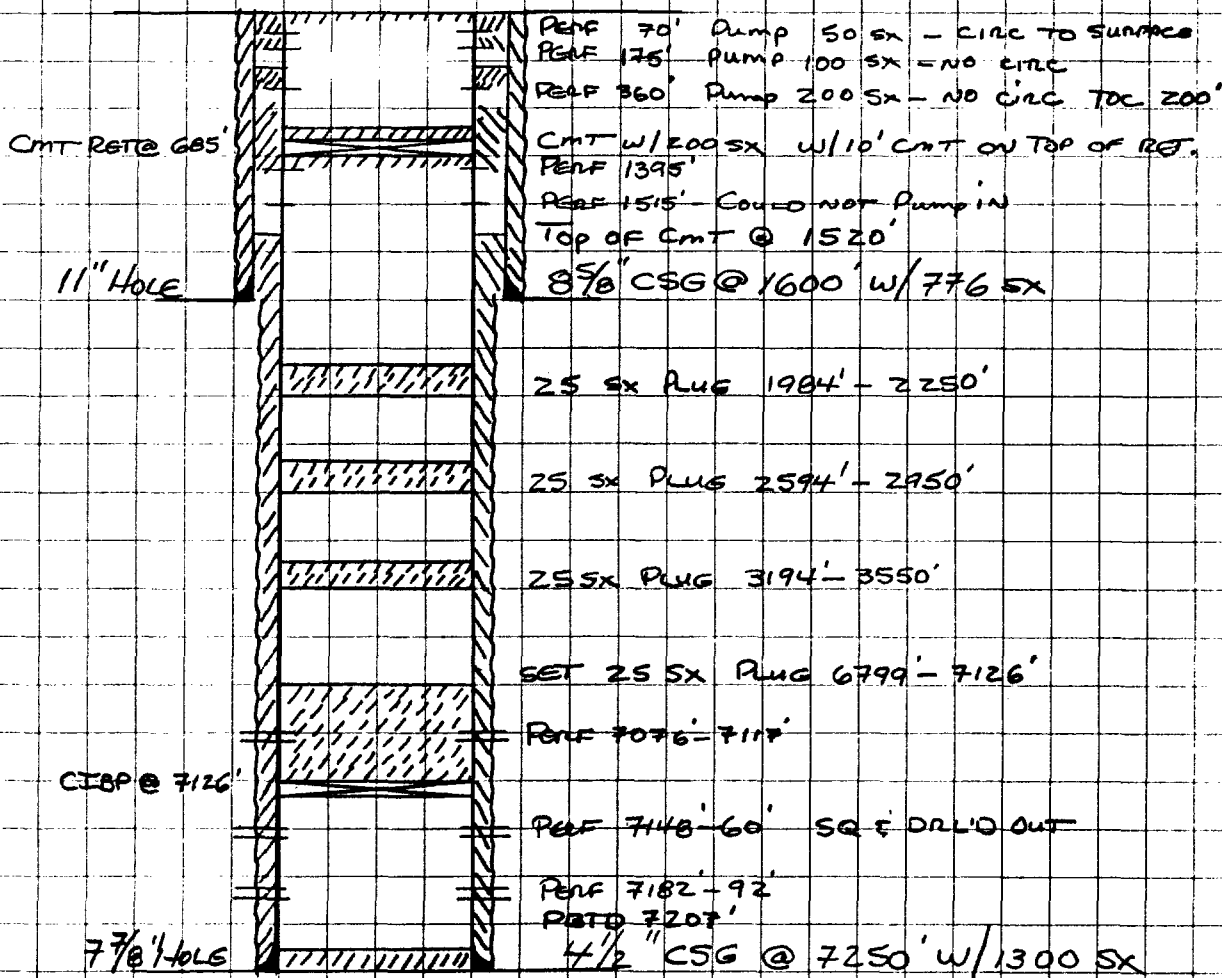
SINCLAIR  
ARCO

TURNER "B" # 74

330' FNL & 990' FEL (A) SEC 29 T77S R31E

COMPLETED 12/60

P&A 12/86



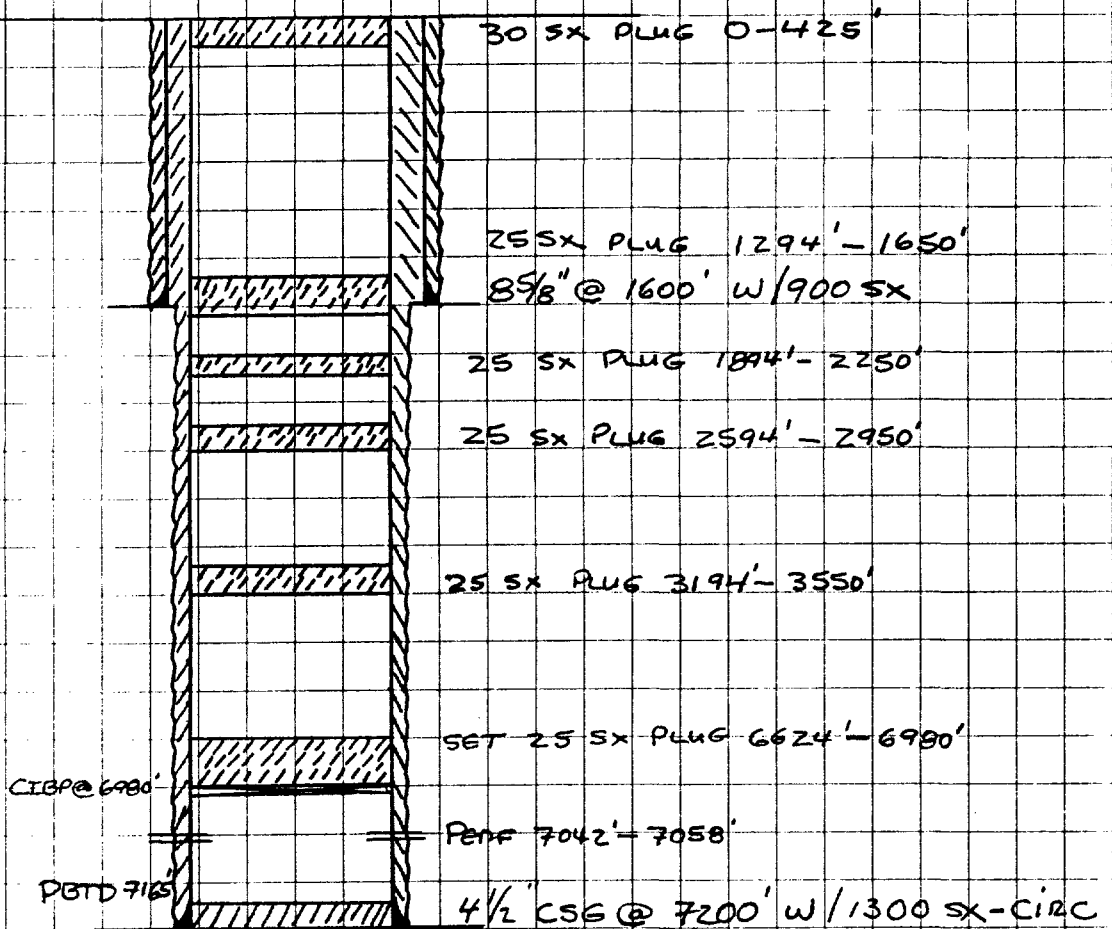
SINCLAIR  
ARCO

TURNER "B" # 70

330' FSL & 660' FWL (M) SEC 20 T77S 1231E

COMPLETED 9/60

P&A 12/87



SINCLAIR  
AUON

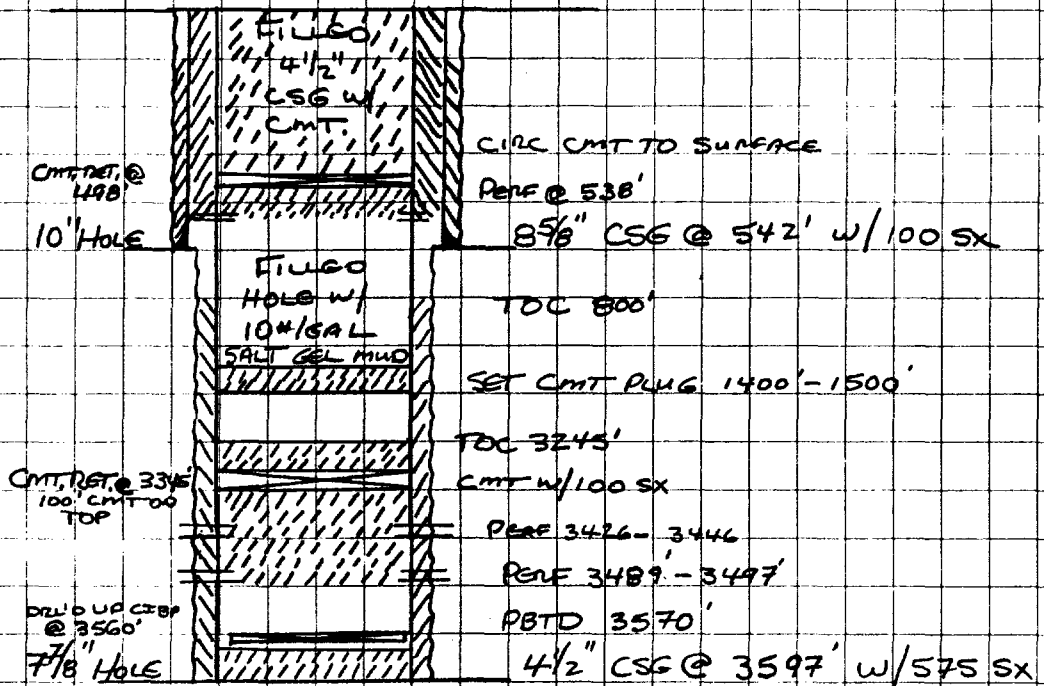
TURNER "B" #76

660' FSL & 660' FEL(P) SEC 30 T17S R231E

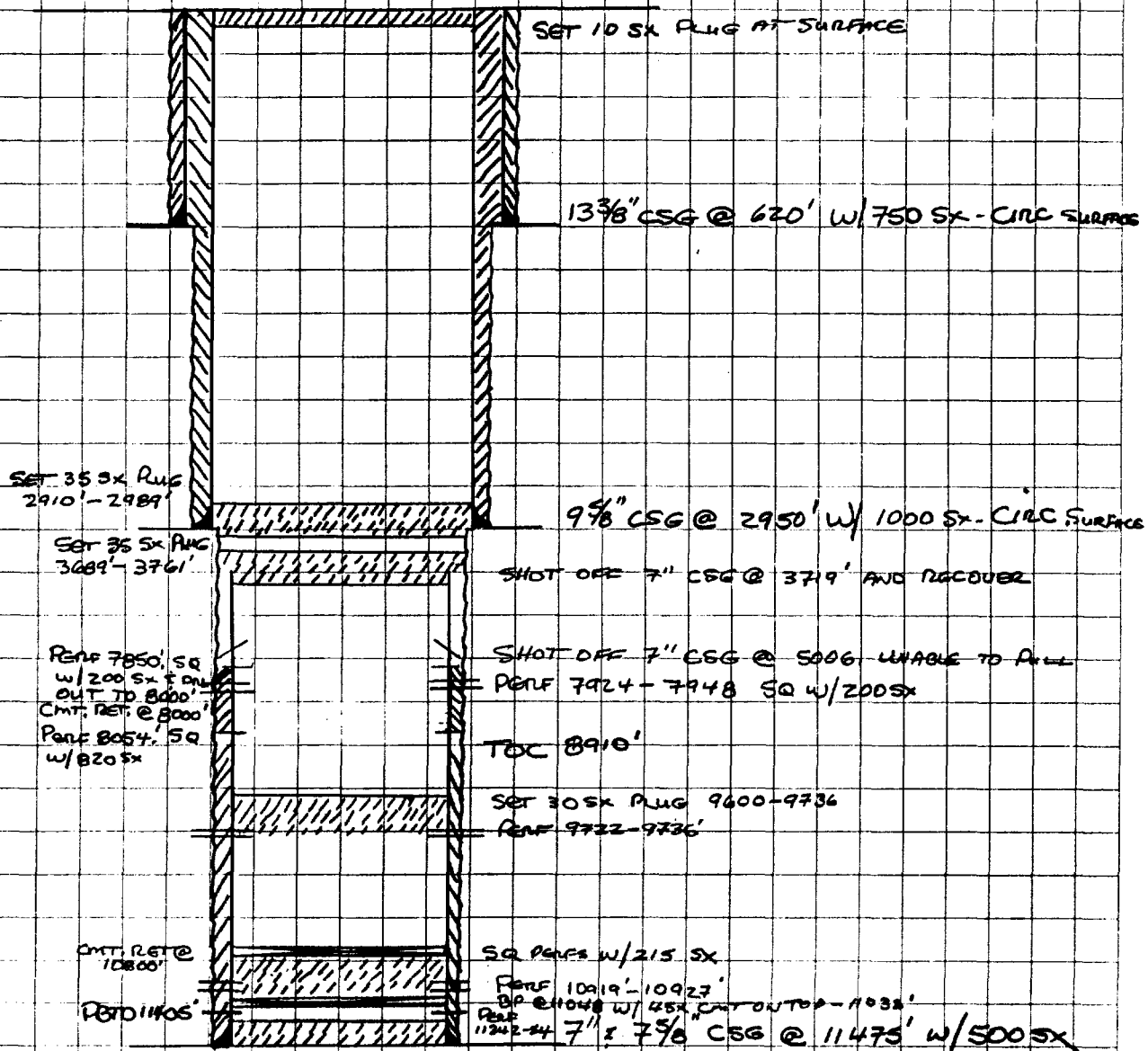
P&A 12/61

RE-ENTER & COMPLETE AS WIW 3/69

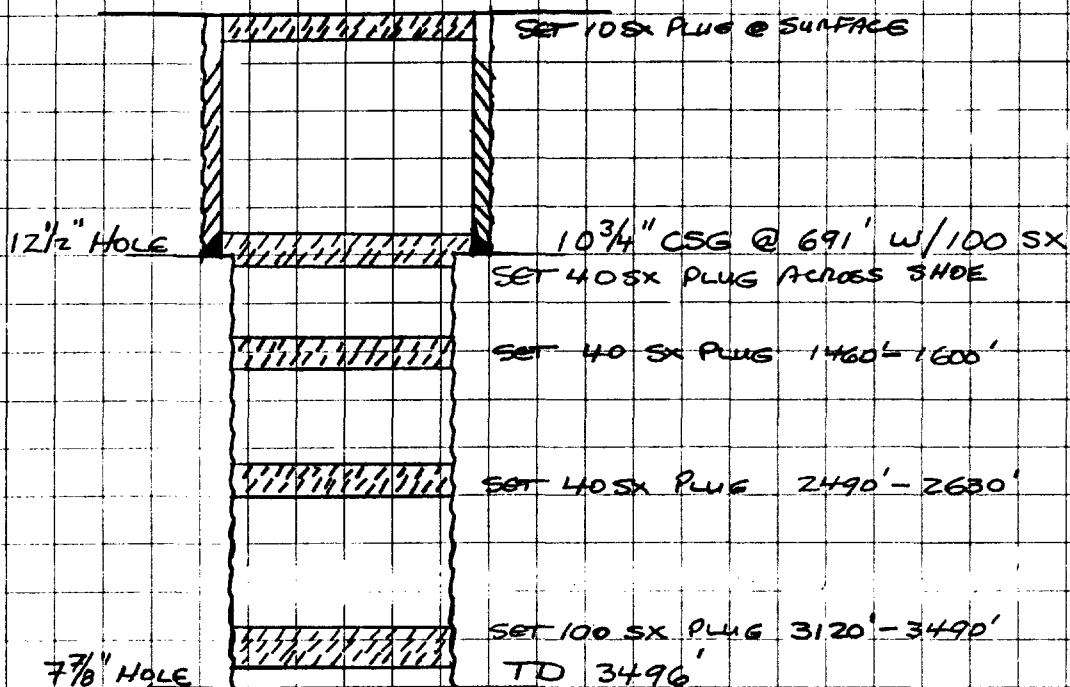
P&A 4/82



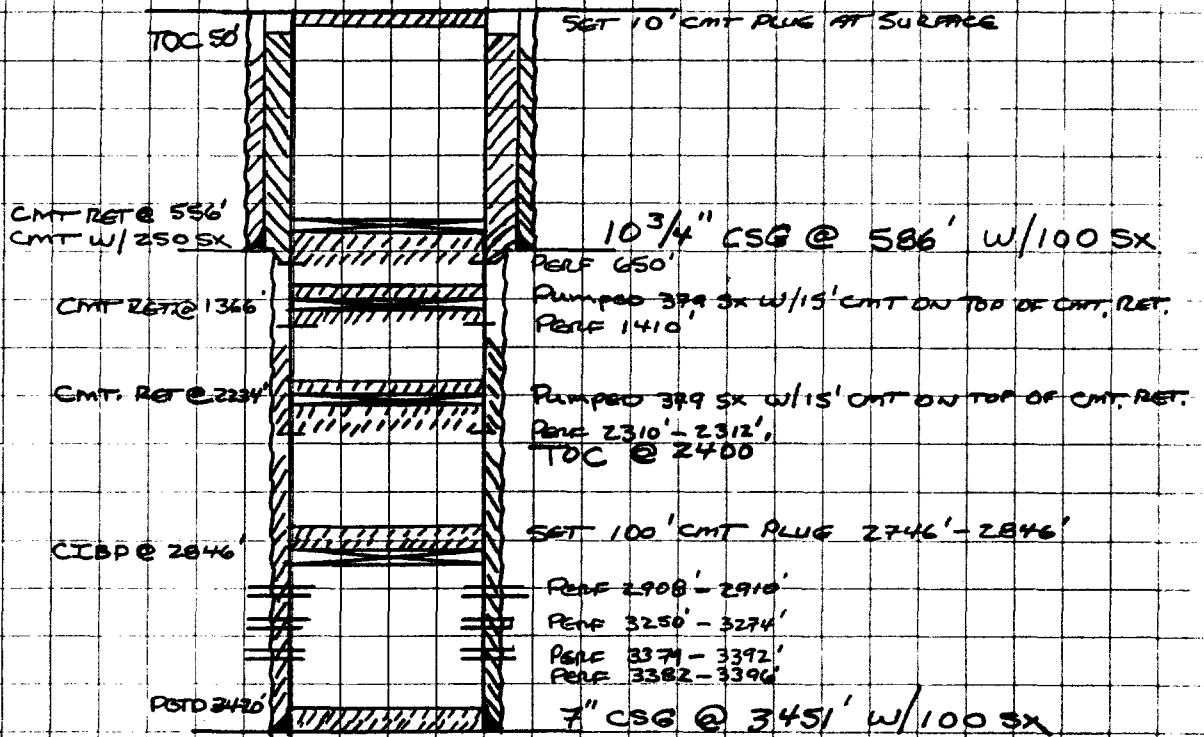
SINCLAIR  
 ARCO Socorro  
 Turner "B" #77  
 660' FSL & 660' FWL (m) SEC 30 T17S R31E  
 COMPLETED 6/61  
 P & A 10/71



SINCLAIR  
ARCO Socorro  
TURNER "B" #57  
1980' FSL & 1755 FWL (K) SEC 30 T77S R231E  
DRILLED 1/59 (HELD IN TA STATUS)  
P&A 4/75



SINCLAIR  
ARCO SOCORRO  
MAX FRIESS #3  
1980' FNL ± 1980' FEL (A) SEC 30 T17S R231E  
COMPLETED 8/57  
P&A 8/79



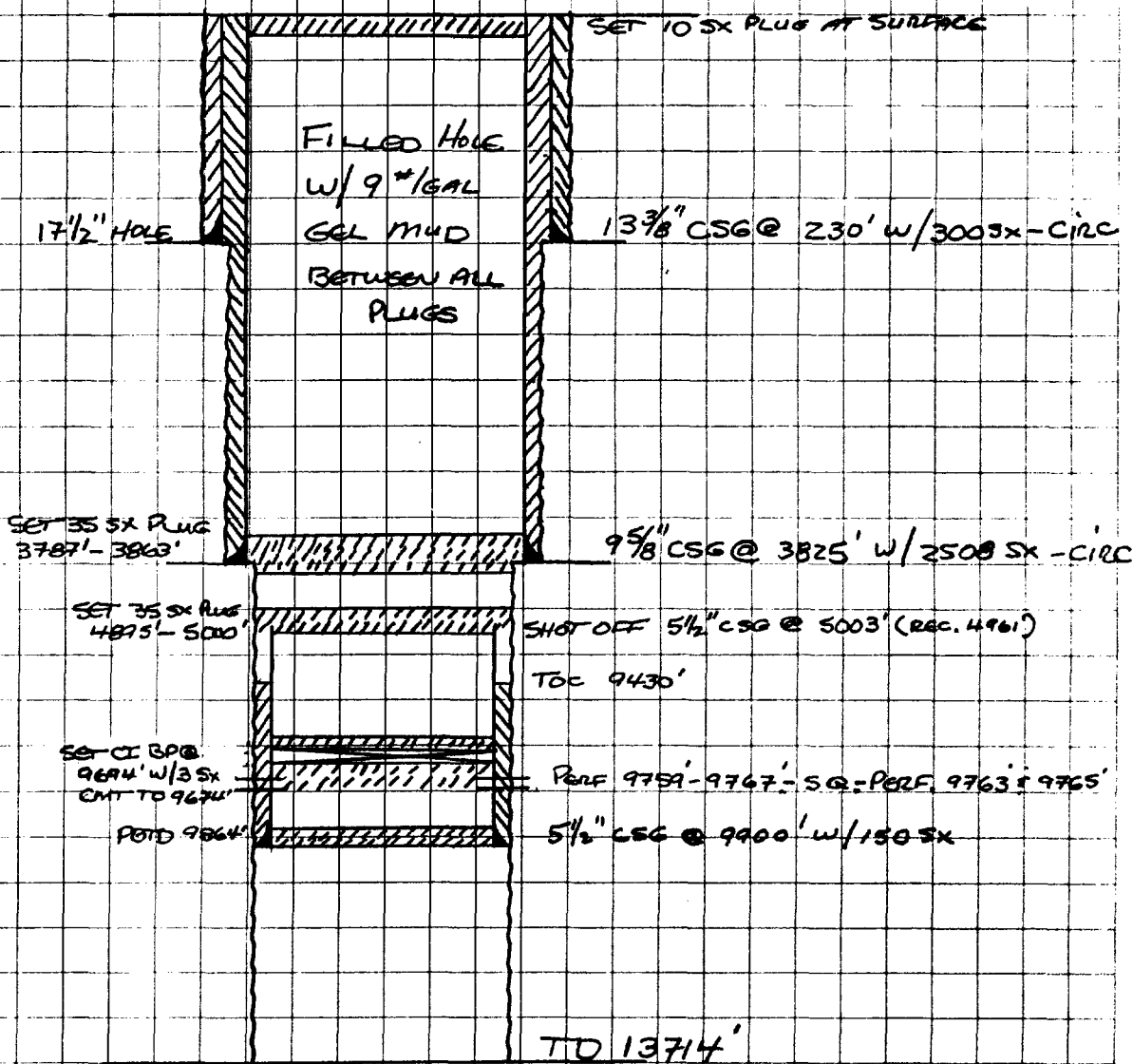


SINCLAIR  
ARCO

TURNER "B" #58

1650' FNL ± 660' FWL (E) SEC 29 T17S R31E

PEA 10/71



Southern Prod. Co.

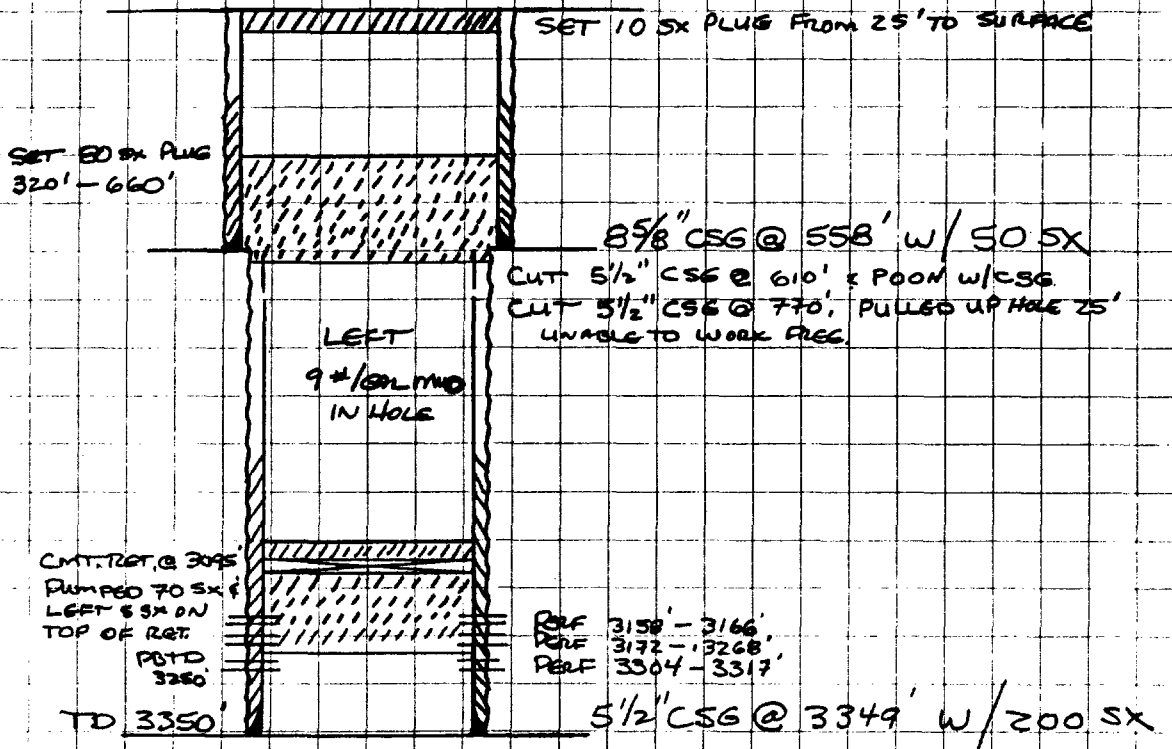
ARCO, Avon

TURNER "B" #45

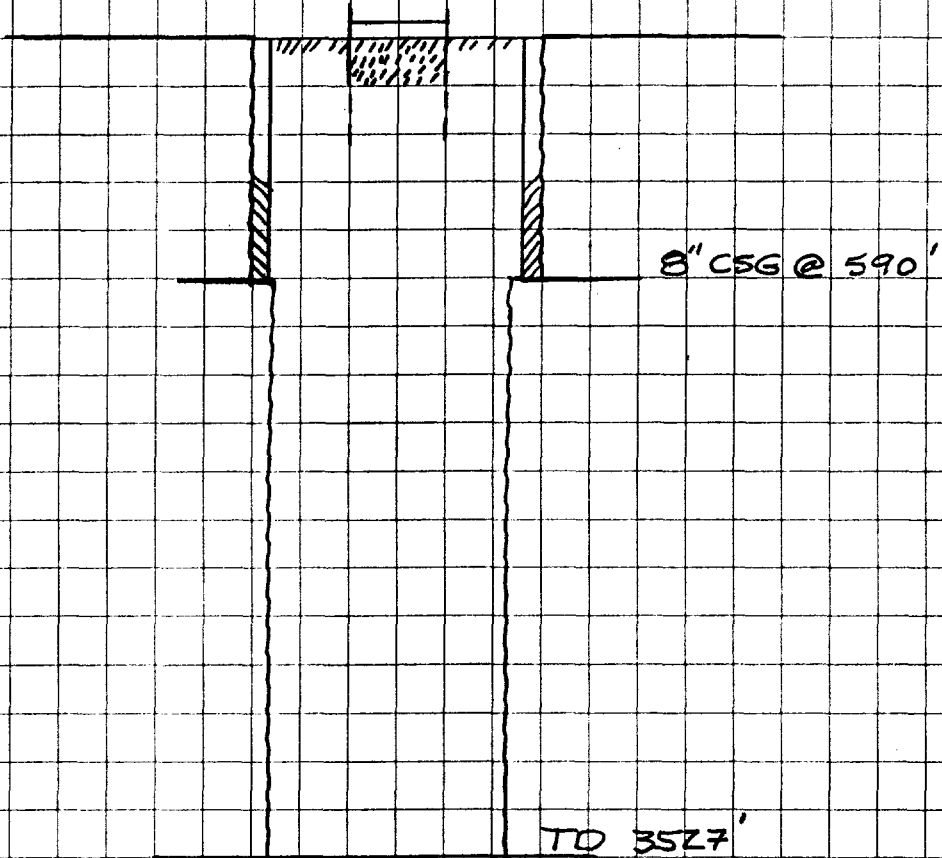
2080' FEL ± 660' FSL (0) SEC 20 T775 R31E

COMPLETED 4/56

P&A 4/75



SCHUSTER  
STAGNER #2  
660' FWL ± 1980 FWL (C) SEC 31 T17S R31E  
D#A 9/48



NOTE: NO OTHER INFORMATION IS AVAILABLE IN THE ARTESIA  
 OGD OFFICE REGARDING THIS WELL. I PHYSICALLY  
 SURVEYED THE WELL LOCATION ON MAY 15, 1991. A 4 1/2" OD  
 CASING STUB (DRY HOLE MARKER?) STICKS UP A FEW  
 INCHES ABOVE GROUND LEVEL. THE LOCATION IS RELATIVELY  
 LEVEL WITH NO SIGNS ON SUBSIDENCE OR FLUID FLOW.

PERRY HUGHES  
5/15/91