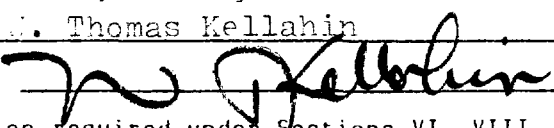


Case 8481

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☒ no
- II. Operator: Texas American Oil Corporation
Address: 300 West Wall, Suite 400, Midland, Texas 79701
Contact party: Morris Todd or James Draper Phone: (915) 683-4811
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: J. Thomas Kellahin Title: Attorney
Signature:  Date: 1/23/85
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. _____

Section III

Well No.	Footage	Location	Section	Township	Range
#18	1980' FNL, 1980' FEL	Unit G	16	17S	30E

Schematic

Tubular Data

Surface Casing

Size 8-5/8 " Cemented with 100 sx

TOC 140 feet determined by calculated

Hole size 11"

Intermediate Casing

Size _____ " Cemented with _____ sx

TOC _____ feet determined by _____

Hole size _____

Long String

Size 5-1/2 " Cemented with 600 sx

TOC 1220 feet derermined by Acoustic Log

Hole size 7-7/8"

Total depth 4050

Injection interval

2551 feet to 2798 feet,
(perforated or open hole, indicate which)

Perfs 2920' - 3942 to be plugged back w/CIBP and 10' cement @ 2850'

532'

4047'

PB 4019

Tubing size 2-3/8 lined with _____ set in a
(material)

(brand and Model)

packer at 2500 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Grayburg

2. Name of Field or Pool (if applicable) _____

3. Is this a new well drilled for injection? ☐ yes ☒ no

If no, for what purpose was the well originally drilled? Oil producer

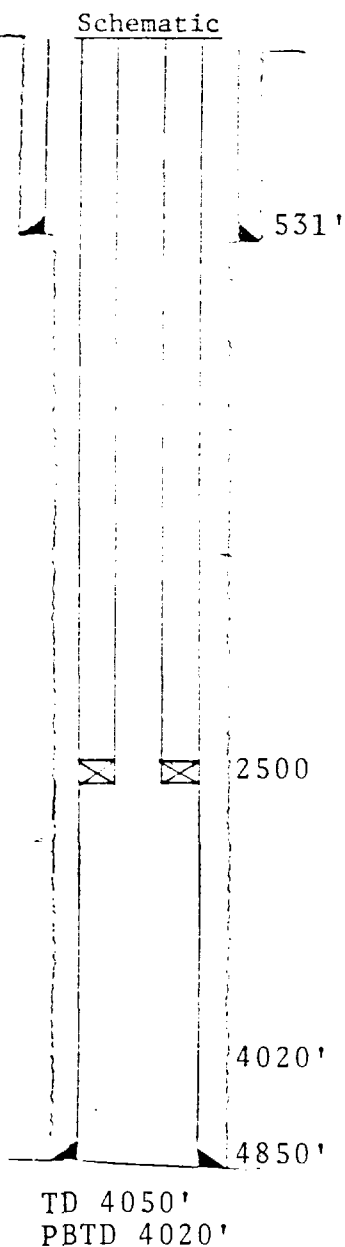
4. Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (sacks of cement of bridge plug(s) used) Queen (2094-2100)

Squeezed w/175 sxs cement w/retainer @ 2066' RPB @ 2240'. Drilled out cement and tested to 1000 psi TP. Test held.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Seven Rivers (+ 1750), Queen (+ 2090), Lovington (+ 2900),

Jackson (+ 3000)

Well No.	Footage	Location	Section	Township	Range
#24	2310' FSL & 2310' FWL		16	17S	30E



Tubular Data

Surface Casing

Size 8-5/8 " Cemented with 100 sx

TOC 120 feet determined by calculation

Hole size 11"

Intermediate Casing

Size n/a " Cemented with n/a sx

TOC n/a feet determined by n/a

Hole size n/a

Long String

Size 5-1/2 " Cemented with 600 sx

TOC 1530' feet derermined by correlation

Hole size 7-7/8"

Total depth 4048'

Injection interval

2533 feet to 2850 feet, (perforated or open hole, indicate which)

Tubing size 2-3/8" lined with _____ set in a _____ (material)

_____ packer at ± 2500 feet (brand and Model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation Grayburg & San Andres
- Name of Field or Pool (if applicable) _____
- Is this a new well drilled for injection? ☐ yes ☒ no
If no, for what purpose was the well originally drilled? Oil producer
- Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (sacks of cement of bridge plug(s) used) _____
Well to be plugged back to 2850 ft. with cast iron bridge plug
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Seven Rivers (+ 1750'), Queen (+ 2,100'), Lovington (+ 3100'), Jackson (+3070')

Well No.	Footage	Location	Section	Township	Range
#17	1880' FNL, 660' FWL	Unit E	16	17S	30E

Schematic

Tubular Data

Surface Casing

Size 8-5/8 " Cemented with 100 sx

TOC 135' feet determined by calculated

Hole size 11"

Intermediate Casing

Size _____ " Cemented with _____ sx

TOC _____ feet determined by _____

Hole size _____

Long String

Size 4-1/2 " Cemented with 600 sx

TOC 1800' feet derermined by correlation

Hole size 7-7/8"

Total depth 3950

Injection interval

2526 feet to 2776 feet,
(perforated or open hole, indicate which)

Perfs 2856-3877 to be plugged back with CIBP and 10' cement @ 2820'

528'

Pkr fluid on
backside

2480'

2526'

2776'

3950'

PB 3891

Tubing size 2-3/8" lined with _____ set in a
(material)

_____ packer at 2480 feet
(brand and Model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation Grayburg
- Name of Field or Pool (if applicable) _____
- Is this a new well drilled for injection? ☐ yes ☒ no
If no, for what purpose was the well originally drilled? Oil producer
- Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (sacks of cement of bridge plug(s) used) Queen (2076-2106')
squeezed w/125 sxs cement w packer & RBP. Drilled out and tested to
1000 psi T.P. Held O.K.
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Seven Rivers (+1750), Queen (+ 2076'), Lovington (+ 2856),
Jackson (+ 2950)

Texas American		Randel State			
Well No.	Footage	Location	Section	Township	Range
#3	660' FNL, 1980' FWL Unit C		16	17S	30E

Schematic		Tubular Data
		<u>Surface Casing</u> Size <u>8-5/8</u> " Cemented with <u>100</u> sx TOC <u>120</u> feet determined by <u>calculated</u> Hole size <u>11"</u>
		<u>Intermediate Casing</u> Size _____ " Cemented with _____ sx TOC _____ feet determined by _____ Hole size <u>n/a</u>
		<u>Long String</u> Size <u>4-1/2</u> " Cemented with <u>600</u> sx TOC <u>1800</u> feet derermined by <u>correlation</u> Hole size <u>7-7/8"</u> Total depth <u>3947</u> Injection interval <u>2564</u> feet to <u>2795</u> feet, perforated (perforated or open hole, indicate which) Perfs 2925'-3892' to be plugged back with CIBP + 10' cement @ 2900'

Tubing size 2-3/8" lined with _____ set in a _____
 (material)

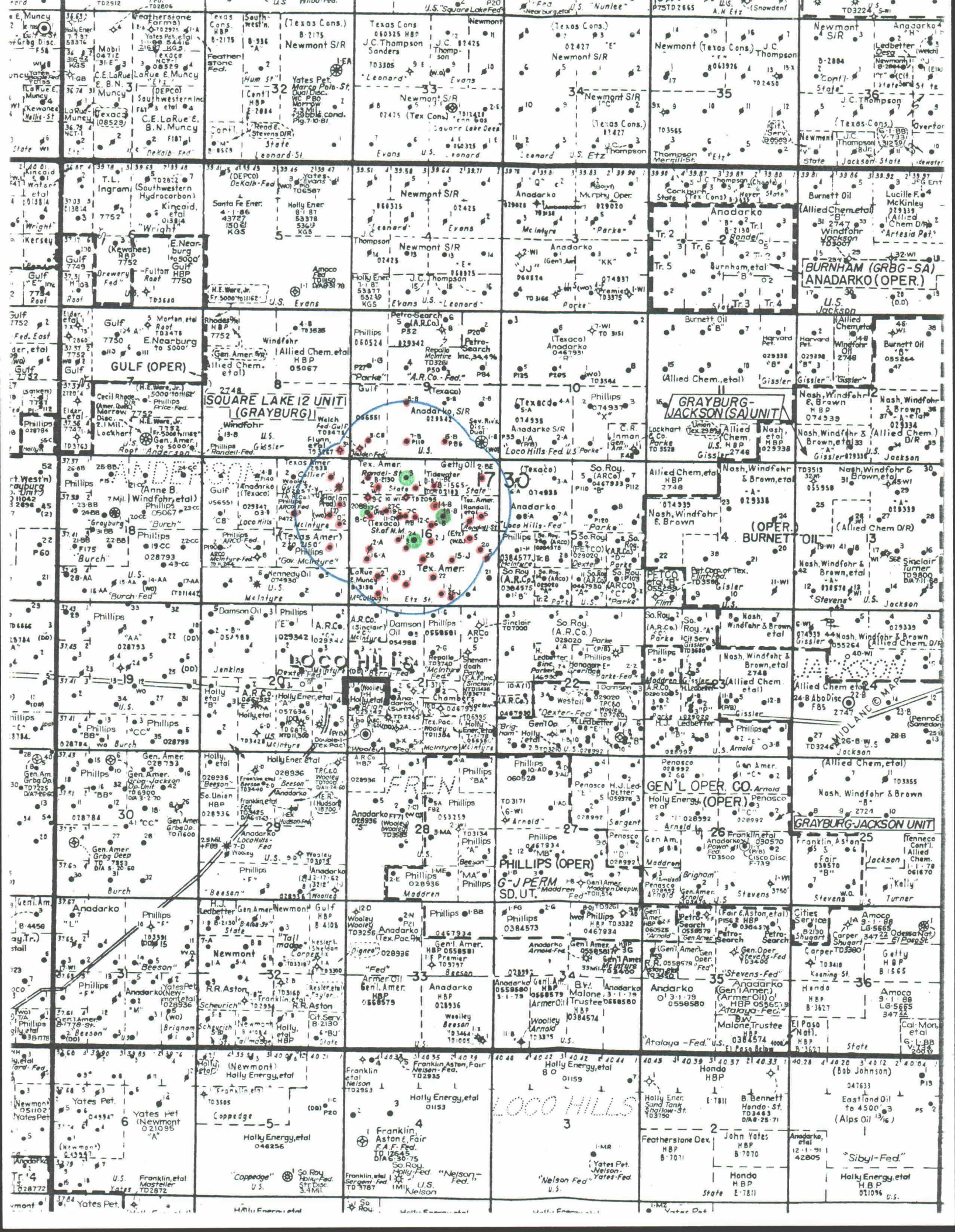
_____ packer at + 2500 feet
 (brand and Model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation Grayburg
- Name of Field or Pool (if applicable) _____
- Is this a new well drilled for injection? ☐ yes ☒ no
 If no, for what purpose was the well originally drilled? Oil producer
- Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (sacks of cement of bridge plug(s) used) Queen 2098-2104
Squeezed w/100 sxs cement w/packer & RBP. Drilled out & tested to 1000 psi
T.P. Held O.K.
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Seven Rivers (+ 1750'), Queen (+ 2100'), Lovington (+2900')
Jackson (+3100')

Section V



Section VI

WELL NAME, NUMBER, OPERATOR	LOCATION			DATE		DEPTH		RECORD OF COMPLETIONS	
	UNIT, SEC., TWP., RANGE	TYPE	SPUDED	COMPLETED	TD	PBTD	ZONE(S)	PERF(S) & WELL CONSTRUCTION	
Grisstler "B" #3 Flynn, et al	330' FSL, 330' FEL Unit P, Sec. 8, T17S, R30E	P&A	10-15-41	1-28-42	3267'	-	-	Perfs: None Csg: 8-1/4" @ 535' w/50 sxs 7" @ 2547' mudded & pulled See plugging detail sheet	
Loco Hills "B" Federal #8 Anadarko Production Co.	1980' FSL, 1980' FWL, Unit K, Sec. 9, T17S, R30E	Oil Producer	7-10-72	7-28-72	2869'	2856'	Seven Rivers, Perfs: Grayburg-Dolo. Loco Hills Metex Premier	1501, -9, 23-25, 91-99, 1883-85, 94-1900, 1916-47, 60-68, 2544- 48, 96-2602, 12-30, 74-82, 2720-28, 2822-30 8-5/8", 24# @ 489' w/ 150 sxs, 5-1/2", 14# @ 2867' w/450 sxs	
Federal-Gulf #1 F. Welch	330' FSL, 330' FWL Unit M, Sec. 9, T17S, R30E	P&A	5-16-59	7-13-59 P&A on completion	3475'	-	-	Perfs: None Csg: 8-5/8" @ 590' w/60 sxs 7" @ 2132' pulled See plugging detail sheet	
Holder "CB" Federal NCT-B #3 Gulf Oil Corp.	660' FSL, 660' FWL Unit M, Sec. 9, T17S, R30E	P&A	8-30-72	9-28-72 Plugged in 1978				Perfs: None, squeezed 2606- 3471' Csg: 8-5/8" @ 498' w/250 sxs 5-1/2" @ 3599' w/695 sxs; see plugging detail sheet	
Loco Hills "B" Federal #7 Anadarko Production Co.	660' FSL, 1980' FWL Unit N, Sec. 9, T17S, R30E	Oil Producer	7-03-72	7-16-72 Well converted to Water Injection 1-25-83	2859'	2848'	Queen Loco Hills Metex Premier	Perfs: 2106-12, 2532-86, 2596- 2600, 2608-12, 2708-14, 28-32, 42-48, 2812-2818, 24-30 Csg: 8-5/8", 24# @ 481' w/ 150 sxs; Hole size, 12-1/4". 5- 1/2" 14# @ 2858 w/450 sxs, Hole Size 7-7/8"	

WELL NAME, NUMBER, OPERATOR	LOCATION UNIT, SEC., TWP., RANGE	TYPE	DATE		DEPTH		RECORD OF COMPLETIONS PERF(S) & WELL CONSTRUCTION
			SPUDED	COMPLETED	TD	PBTD	
Loco Hills "B" Federal #6 Anadarko Production Co.	660' FSL, 1980' FEL Unit 0, Sec. 9, T17S, R30E	Oil Producer	6-27-72	7-08-72	2869'	2866'	Loco Hills Perfs: 2594-2600, 2606-10, 16-22, 68-74, 2710-20, 32-38, 46-52, 2816-22, 30-34. Csg: 8-5/8", 24# @ 479' w/ 150 sxs Hole Size 12-1/4". 5-1/2", 14#, @ 2868' w/ 450 sxs; Hole Size 7-7/8"

WELL NAME, NUMBER, OPERATOR	LOCATION UNIT, SEC., TWP., RANGE	TYPE	DATE		DEPTH		ZONE(S)	RECORD OF COMPLETIONS
			SPUDED	COMPLETED	TD	PBTD		PERF(S)& WELL CONSTRUCTION
State "BE" #2 Getty Oil Co.	660' FNL, 660' FEL Unit A, Sec. 16, T17S, R30E	Oil Producer	11-28-72	12-24-72	3950'	3948'	Loco Hills Metex Premier Lovington Jackson	Perfs: 2598-3822 Csg: 8-5/8" @ 509' w/2 1/2" 5-1/2" @ 3948' w/1 sxs
State "BE" #1 Getty Oil Co.	990' FNL, 2310 FEL Unit B, Sec. 16, T17S, R30E	Oil Producer	8-25-72	9-25-72	3950'	3865'	Queen Metex Premier Lovington Jackson	Perfs: 2094'-2122, 2556-8 2643-85, 2702-30, 3360, 3421-3838 Csg: 9-5/8" @ 523 w/150 7" @ 2087 w/200 sxs TDC 1200', 4-1/2" w/423 sxs. TDC 400
Randel State #3 Texas American	660' FNL, 1980' FWL Unit C, Sec. 16, T17S, R30E	Oil Producer Proposed WIM	6-04-72	7-11-72	3947'	3914'	Queen Loco Hills Metex Premier Lovington Jackson	Perfs: 2098-2104 squeezed 2564-94, 2648-92, 95, 2934-46, 3174- 3478-3558, 3634-37 3847-92 Csg: 8-5/8" @ 551' w/10 4-1/2" @ 3947' w/6
Randal State #4 Texas American	660' FNL, 660' FWL Unit D, Sec. 16, T17S, R30E	Oil Producer	6-24-72	7-20-72	3950'	3915'	Queen Loco Hills Metex Premier Lovington Jackson	Perfs: 2092-98 squeezed, 88, 2639-92, 2792- 2804-95, 2915-22, 10, 3205-99, 3306- 3428-96, 3504-44, 90, 3715-91, 3826- Csg: 8-5/8" @ 530' w/10 5-1/2" @ 3950 w/60
Etz C State #17 Texas American	1880' FNL, 660' FWL Unit E, Sec. 16, T17S, R30E	Oil Producer Proposed WIM	6-14-72	7-15-72	3950'	3891'	Queen Loco Hills Metex Premier Lovington Jackson	Perfs: 2076-82 & 2100-0, squeezed; 2526-261 2776, 2856-2935, 3 3010, 3200-3470, 3 3708, 3757-3877 Csg: 8-5/8" @ 528 w/10 4-1/2" @ 3950 w/1

WELL NAME, NUMBER, OPERATOR	UNIT, SEC., TWP., RANGE	LOCATION	TYPE	DATE		DEPTH		ZONE(S)	RECORD OF COMPLETIONS
				SPUDED	COMPLETED	TD	PBTD		PERF(S) & WELL CONSTRUCTION
Etz C State #19 Texas American	1980' FNL, 1980' FNL Unit F, Sec. 16, T17S, R30E	Oil Producer	8-22-63	12-31-63	11,300'	3915'	Loco Hills Metex Premier Lovington Jackson Morrow	Csg: 2536-70, 2618-2770, 2852-2906, 3194-3328, 3782-3892, 11,102-143 16" 65#, @ 352' w/400 sxs; 8-5/8", 24# @ 4000' w/1200 sxs; DV @ 1943' . TOC 1020 (TS) 3-1/2" 9.2# 4650- 11,300 w/900 sxs Cement plugs 10,600' - 11,113,4550-4650.	
Etz B State #18 Texas American	1980' FNL, 1980' FEL Unit G, Sec. 16, T17S, R30E	Oil Producer Proposed WIM	7-03-72	7-26-72	4050'	4019'	Queen Loco Hills Metex Premier Lovington Jackson	Perfs: 2094-2100 squeezed 2551-87, 2639-83, 2784- 98- 2920-28, 3206-3370, 3474-3602, 3663-3798, 3866-3942 Csg: 8-5/8" @ 532' w/100 sxs 5-1/2" @ 4047' w/600 sxs	
Randel State #5 Texas American	1980' FNL, 660' FEL Unit H, Sec. 16, T17S, R30E	Oil Producer	7-14-72	8-24-72	4050'	4012'	Queen Loco Hills Metex Premier Lovington Jackson	Perfs: 2116-24, 2575-81, 93-2605 2661-63, 97-2707, 2812- 24, 2956-60, 3252-72, 3308-35, 3348-57, 3382- 94, 3498-3534, 3578-3784 3827-3982 Csg: 8-5/8" @ 534' w/100 sxs 5-1/2" @ 4046 w/600 sxs	
Etz State #5 Texas American	2310' FSL, 990' FEL Unit I, Sec. 16, T17S, R30E	Oil Producer	8-06-38	1/15/39	3413'	2135'	Queen	Perfs: None. Open Hole 2113' - 2135' Csg: 8-1/4" 170'-470' w/25 sxs; 7" @ 1980' w/50 sxs; 4-1/2" @ 2113' w/ 150 sxs 10 sx. cement plug @ 2140'; cement plug 3050- 3100'	

WELL NAME, NUMBER, OPERATOR	LOCATION UNIT, SEC., TWP., RANGE	TYPE	DATE		DEPTH		RECORD OF COMPLETIONS	
			SPUDED	COMPLETED	TD	PBTD	ZONE(S)	PERF(S)& WELL CONSTRUCTION
Etz State #20 Texas American	980' FSL, 660' FEL Unit I, Sec. 16, T17S, R30E	Oil Producer Proposed WIW	7-24-72	8-24-72	4050'	3947'	Queen Loco Hills Metex Premier Lovington Jackson	Perfs: 2118-26, 2568-2600, 2652-2758, 2804-32, 2942-50, 3206-3396, 3453-3647. Csg: 8-5/8" 20#, @ 536' w/ 100 sxs; 5-1/2" 15.5# @ 4049 w/600 sxs
Etz State #5 Etz Oil Co.	1350' FSL, 330' FEL Unit I, Sec. 16, T17S, R30E	P&A	8-06-38	1-15-39	3300'	-	Loco Hills Metex Premier Lovington Jackson	Perfs: None. Open Hole 2528' - 3300' Csg: 8-1/4" @ 498' w/25 sxs 7" @ 2528' w/50 sxs See plugging detail sheet
Etz J State #15 Texas American	1650' FSL, 1650' FEL Unit J, Sec. 16, T17S, R30E	Oil Producer	2-23-71	4-10-71	4010'	4010'	Queen Loco Hills Metex Premier Lovington Jackson	Perfs: 2094-2104 squeezed 2546-82, 2673-84, 2785-2812, 2928-35, 3072-3294, Open Hole 3350-4010 Csg: 8-5/8", 20#, @ 557' w/ 150 sxs; 4-1/2" 11.6# @ 3350 w/450 sxs
Etz State #3 Texas American	3630' FNL, 3300' FEL Unit K, Sec. 16, T17S, R30E	Oil Producer Proposed WIW	8-08-36	11-20-36	3253'	-	Metex Premier Lovington Jackson	Perfs: None. Open hole 2630- 3253 Csg: 10" 40# @ 432- set 8-5/8" @ 2600 w/25 sxs 5-1/2" 17# @ 2630' w/ 80 sxs
Etz State #24 Texas American	2310' FSL, 2310 FNL Unit K, Sec. 16, T17S, R30E	Oil Producer	11-24-72	12-21-72	4050'	4020'	Loco Hills Metex Premier Lovington Jackson	Perfs: 2533-64, 2656-2779, 2853-2906, 3058-3388, 3447-3606, 3672-3772, 3845-3960. Csg: 8-5/8" 20# @ 531' w/100 sxs; 5-1/2" 14# @ 4048' w/600 sxs;T0C @1530 (AL)

WELL NAME, NUMBER, OPERATOR	LOCATION UNIT, SEC., TWP., RANGE	TYPE	DATE		DEPTH		RECORD OF COMPLETIONS	
			SPUDED	COMPLETED	TD	PBTD	ZONE(S)	PERF(S)& WELL CONSTRUCTION
Etz J State #1 Texas American	330' FSL, 1980' FEL Unit N, Sec. 16, T17S, R30E	0i1 Producer Proposed MW	8-15-37	10-14-37	3275'	-	Loco Hills Metex Premier Lovington Jackson	Perfs: None. OH 2534-3275' Csg: 8-5/8" @ 545' w/65 sxs 7" @ 2534 w/50 sxs
			11-04-72	11-26-72	4050'	4008'	Queen Loco Hills Metex Premier Lovington Jackson	Perfs: 2088-96, 2539-66, 2658-2802, 2874-2923 3110-3286, 3367-3585, 3640-3742, 3795-3985, Csg: 8-5/8" @ 528' w/100 sxs 5-1/2" @ 4050' w/600 sxs
			7-28-74	11-18-74	3000'	2982'	Loco Hills Metex Premier Lovington Jackson	Perfs: 2565-80, 2679-85, 2708- 98, 2927-40 Csg: 8-5/8" @ 471' w/200 sxs 4-1/2" @ 3000 w/450 sxs
Etz J State #22 Texas American	990' FSL, 2310' FEL Unit O, Sec. 16, T17S, R30E	0i1 Producer						
Etz J State #25 Texas American	330' FSL, 1650' FEL Unit O, Sec. 16, T17S, R30E	0i1 Producer						

WELL NAME, NUMBER, OPERATOR	LOCATION UNIT, SEC., TWP., RANGE	TYPE	DATE		DEPTH		RECORD OF COMPLETIONS	
			SPUDED	COMPLETED	TD	PBTD	ZONE(S)	PERF(S) & WELL CONSTRUCTION
Collier Federal #1 Texas American	660' FNL, 660' FEL Unit A, Sec. 17, T17S, R30E	Oil Producer Proposed WIM	12-21-71	1-26-72	3320'	3300'	Queen Loco Hills Metex Premier Lovington Jackson	Perfs: 2096-2102, squeezed 2573-93, 2639-89, 2781-2819, 2883-3014 3072-3228 Csg: 8-5/8" @ 537' w/110 sxs 4-1/2" 9.5# @ 3319' w/ 475 sxs
Arco Federal #3 Phillips	1980' FNL, 1980' FEL Unit G, Sec. 17, T17S, R30E	Oil Producer	5-01-72	6-11-72	3697'	3690'	Queen Loco Hills Metex Premier Lovington Jackson	Perfs: 2071-75, 79-85, 2521-24, 42-48, 2642-50, 2740-50, 3046-49, 87-90, 3331-35, 3397-3402, 3482-86, 3502-06, 3636-40, 48-52 Csg: 8-5/8" @ 556' w/100 sxs 4-1/2" @ 3697 w/500 sxs
McIntyre "D" #1 Texas American	1980' FNL, 660' FEL Unit H, Sec. 17, T17S, R30E	Oil Producer	5-09-72	2-04-73	3251'	3221'	Loco Hills Metex Premier Lovington Jackson	Perfs: 2533-63, 2611-2760, 2884 -2904, Open Hole 2935-3221 Csg: 10-3/4" @ 500' w/75 sxs, 8-5/8" @ 1970' w/100 sxs 4-1/2" @ 2935 w/300 sxs
McIntyre "D" #2 Texas American	2310' FNL, 330' FEL Unit H, Sec. 17, T17S, R30E	Oil Producer	5-06-74	11-27-74	2850'	2833'	Queen	Perfs: 2071-78 Csg: 8-5/8" @ 475' w/150 sxs 4-1/2" @ 2850 w/450 sxs
McIntyre "D" #3 Texas American	1650' FNL, 330' FEL Unit H, Sec. 17, T17S, R30E	Oil Producer	6-13-74	11-16-74	2850'	2833'	Queen	Perfs: 2068-76 Csg: 8-5/8" @ 476' w/150 sxs 4-1/2" @ 2850' w/450 sxs
Govt.-McIntyre "F" #1 Phillips	1980' FSL, 660' FEL Unit I, Sec. 17, T17S, R30E	Oil Producer	5-06-72	7-01-72	3750'	3744'	Loco Hills Metex Premier Lovington Jackson	Perfs: 2512-16, 24-28, 94-97, 2639-42, 2862-70, 3131- 34, 56-70, 3503-09, 24-27, 3621-27, 63-66 Csg: 10" @ 500' w/50 sxs 8-5/8" @ 1922 - Set 4-1/2" @ 3750 w/700 sxs

Grissler "B" #3
 Flynn, etal
 Plugging Detail Sheet

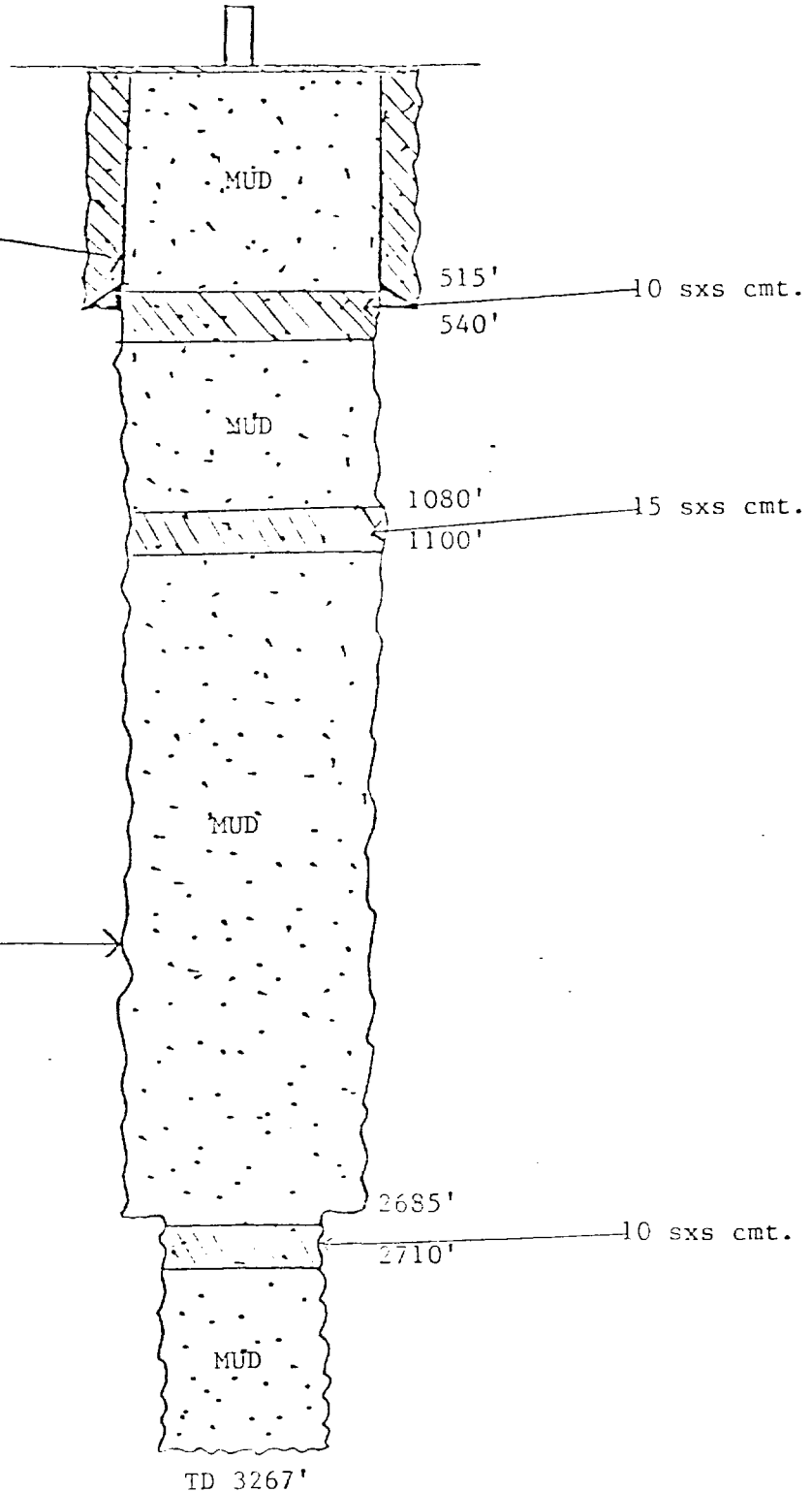
Regulation Marker
 Placed @ surface

8-5/8" csng still in hole.

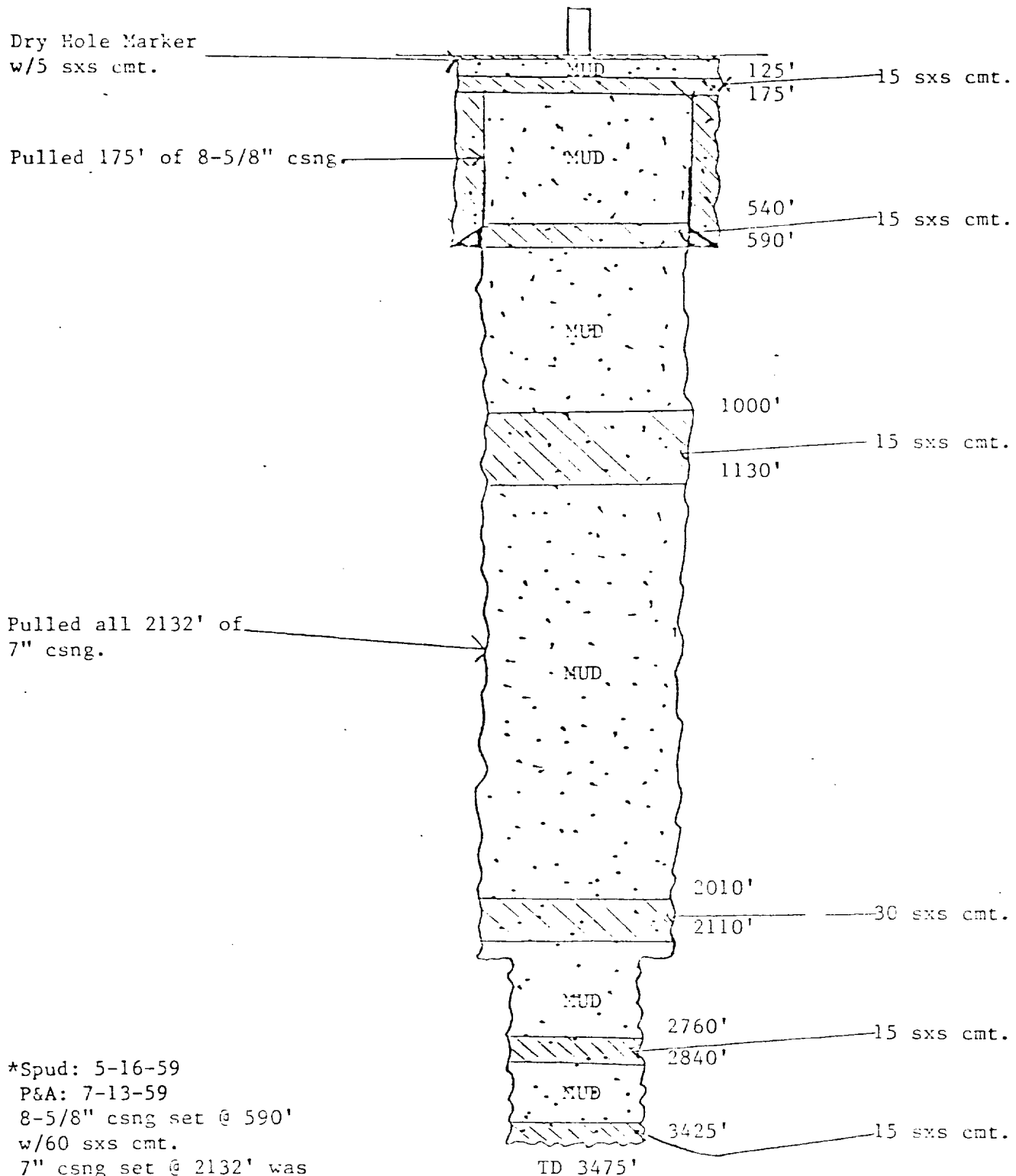
Pulled all 2547' of
 7" csng.

*Spud: 10-15-41
 P&A: 1-28-42
 8-5/8" csng set @ 535'
 w/50 sxs cmt.
 7" csng set @ 2547' was
 mudded and pulled.

330' FSL & 330' FEL
 Unit P, Section 8,
 T17S, R30E



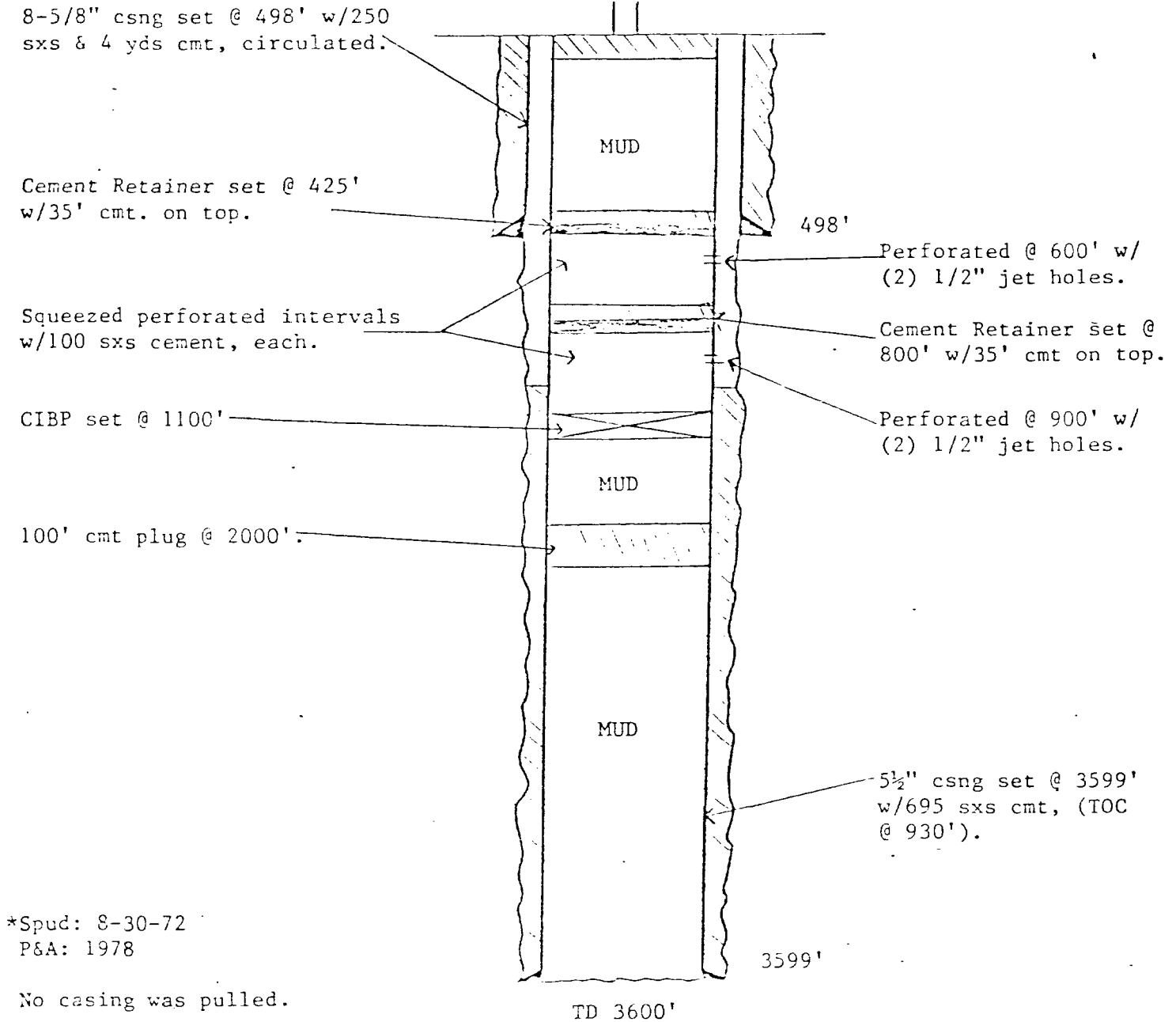
Federal-Gulf #1
F. Welch
Plugging Detail Sheet



*Spud: 5-16-59
P&A: 7-13-59
8-5/8" csng set @ 590'
w/60 sxs cmt.
7" csng set @ 2132' was
mudded and pulled.

330' FSL & 330' FWL
Unit M; Section 9,
T17S, R30E.

Holder CB" Federal
 NTC-B #3
 Gulf Oil Corp.
 Plugging Detail Sheet



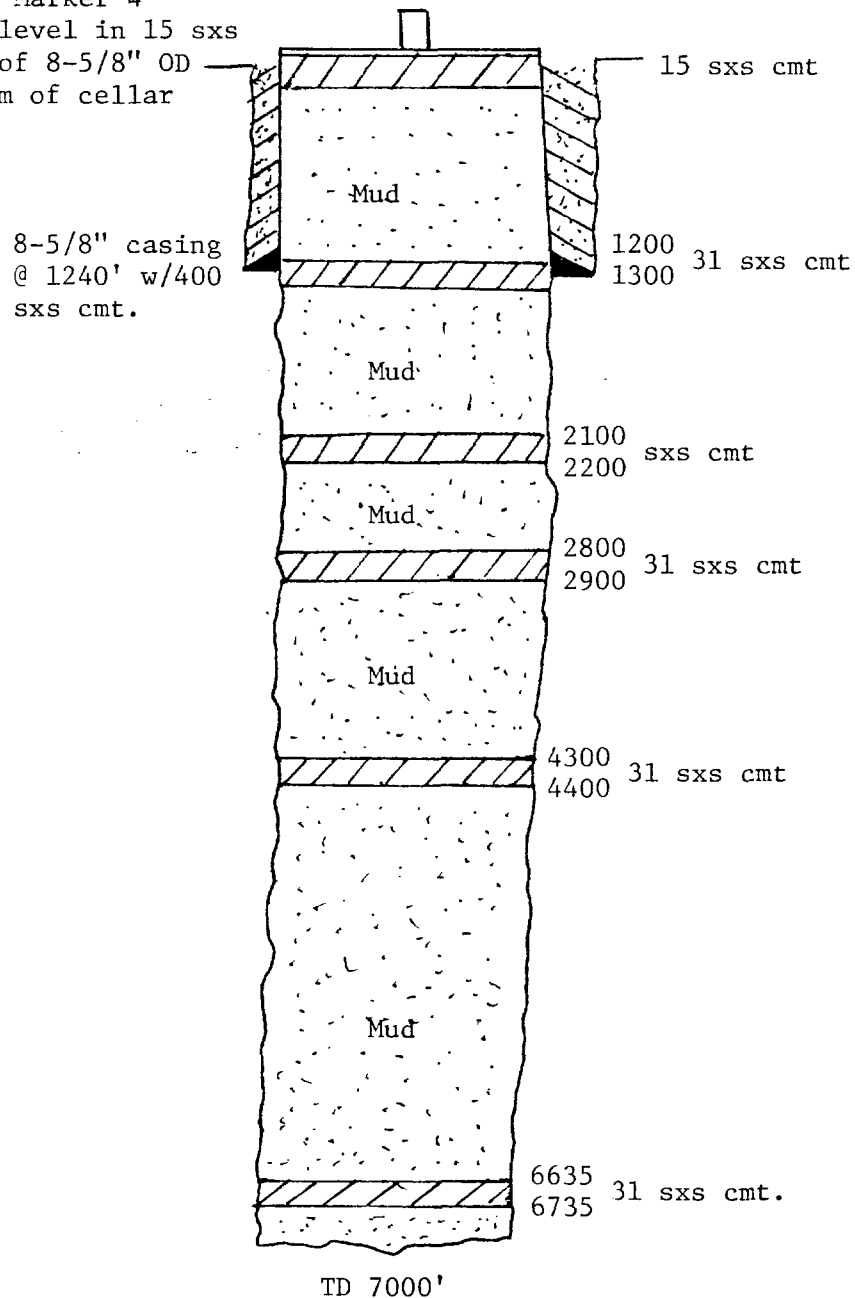
*Spud: 8-30-72
 P&A: 1978

No casing was pulled.

660' FSL & 660' FWL
 Unit M, Section 9,
 T17S, R30E

McIntyre "D" #11
 Sinclair Oil & Gas
 Plugging Detail Sheet

Set Regulation Marker 4'
 above surface level in 15 sxs
 cement in top of 8-5/8" OD
 casing & bottom of cellar



Spud: 12/9/60
 P & A : 1/12/61

660' FNL, 660' FEL
 Unit A, Section 21
 T17S, R30E

ETZ State #5
ETZ Oil Company
Plugging Detail Sheet

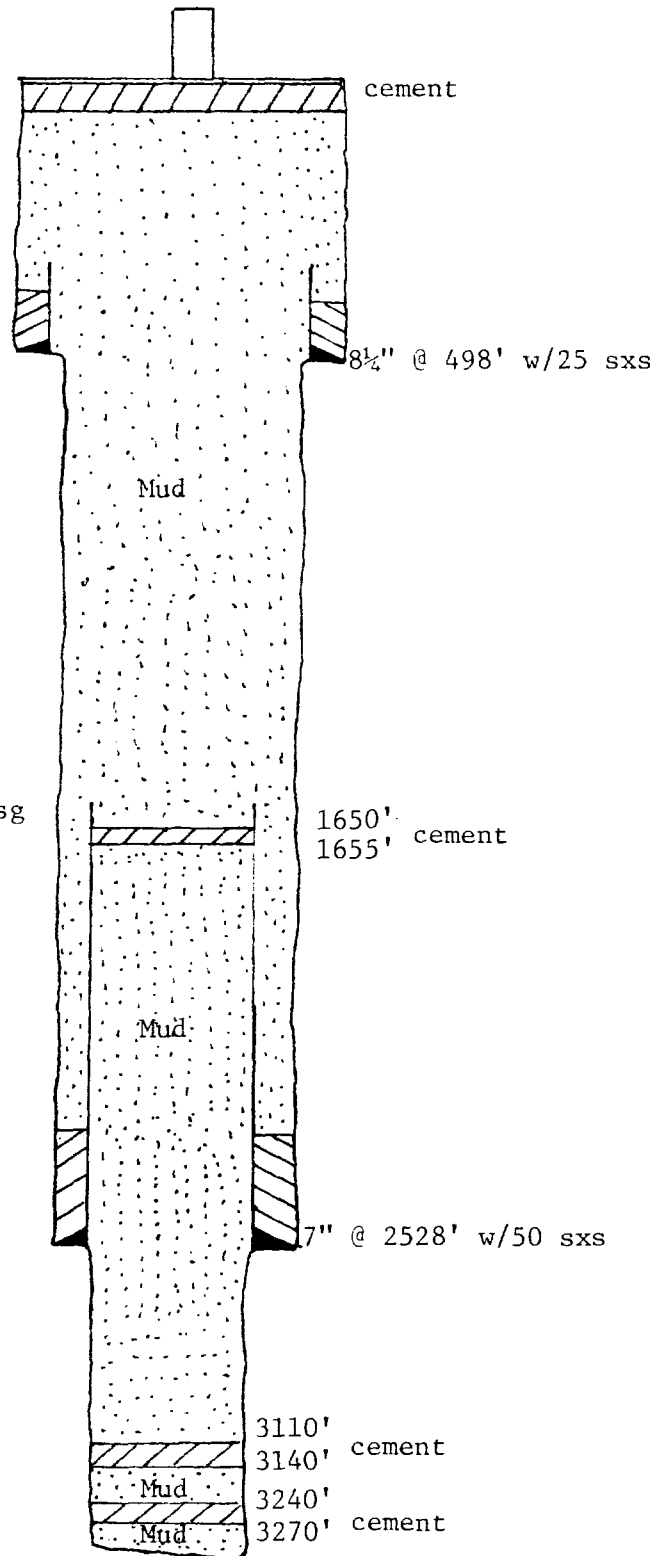
Regulation dry hole
market set in concrete

Pulled 380'
of 8 $\frac{1}{4}$ " O.D.
casing

Pulled 1600'
of 7" O.D. csg

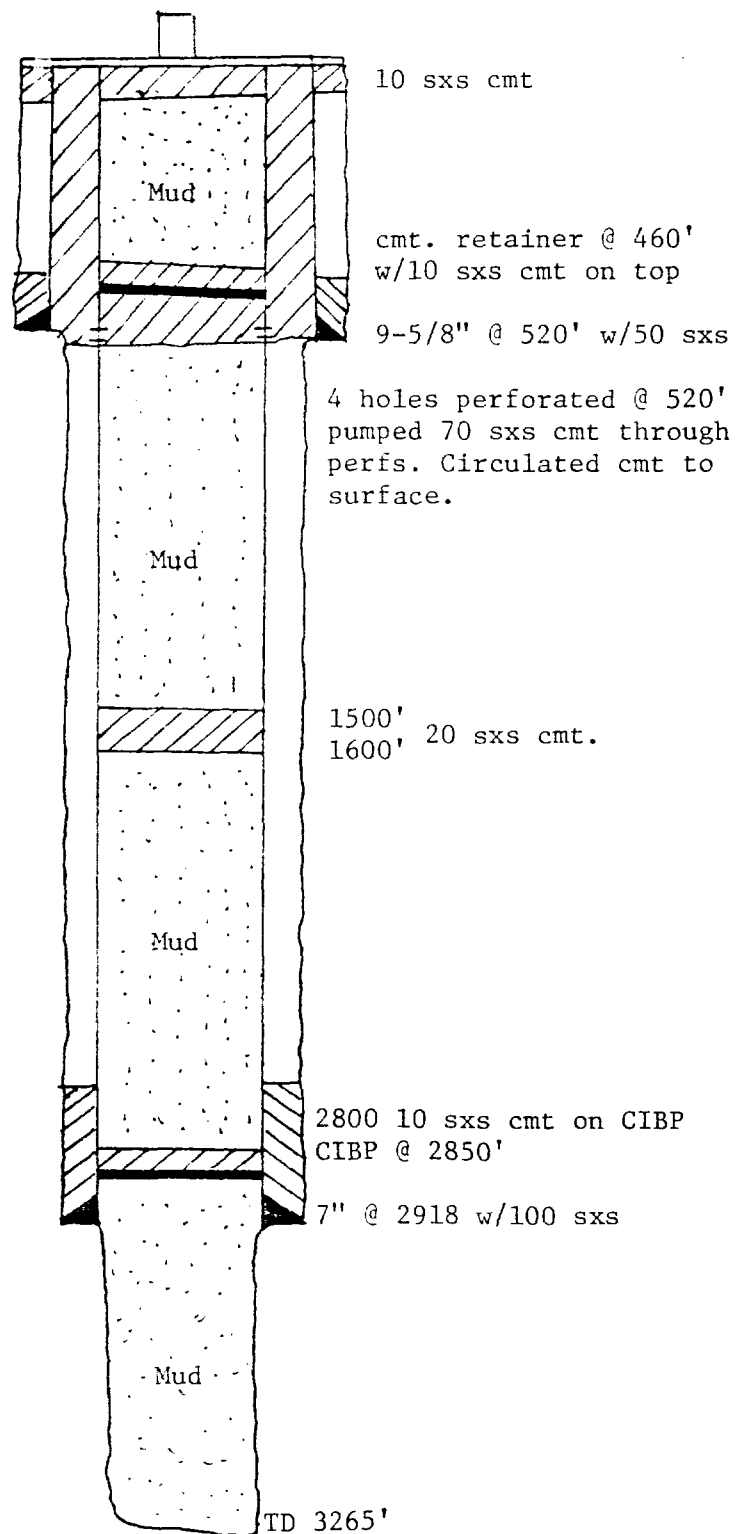
Spud: 8/6/38
P & A: 2/18/42

1350' FSL, 330' FEL
Unit I, Section 16
T17S, R30E



W.D. McIntyre "E" #4
Atlantic Richfield Company
Plugging Detail Sheet

Installed regulation dry hole
market set in 10 sxs cmt.



Spud: 2/38
P & A: 3/26/76

330' FNL, 990/ FEL
Unit A, Section 21
T17S, R30E

W.D. McIntyre "D" #5

Repollo Oil Company

Plugging Detail Sheet

Regulation dry hole marker
set w/5 sxs cmt

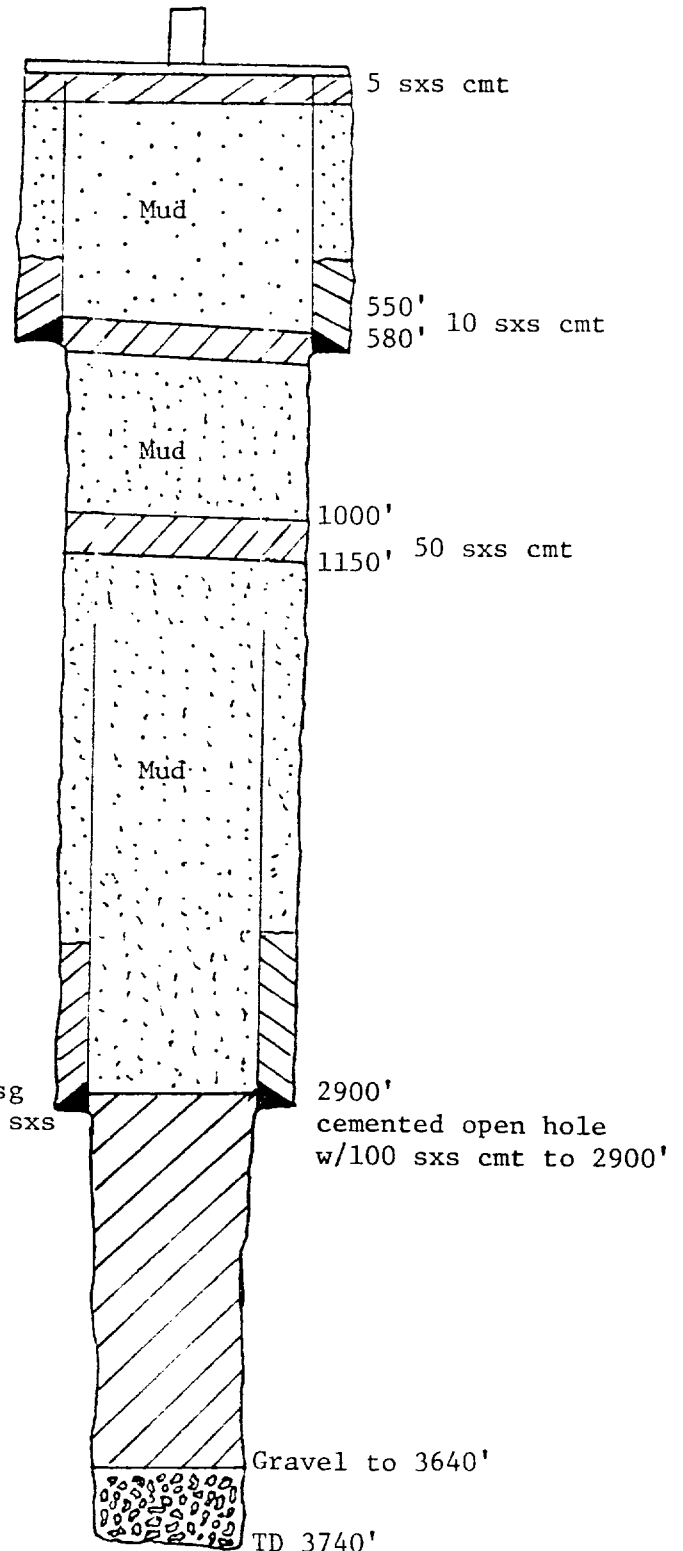
8-1/4" O.D. csg
@ 552' w/50 sxs

5-1/2" O.D. csg
shot of @ 1628

5-1/2" O.D. csg
@ 2932' w/100 sxs

Spud: 9/1/41
P & A: 2/28/42

1650' FNL, 990' FEL
Unit H, Section 21
T17S, R30E



Section VII

- 1) Proposed injection rates:
 - a) average daily injection rate: 800 bbls/day
 - b) maximum daily injection rate: 1200 bbls/day
 - c) volume of fluid to be injected 24,000 bbls/mo or
6,000 bbls/mo-well
- 2) Proposed system will be open:
- 3) Proposed injection pressures:
 - a) average injection pressure: 1500 psi
 - b) maximum injection pressure: 1800 psi
- 4) Type of injection fluid: mixture of fresh and produced water
- 5) N/A

SECTION VIII

Geological Data:

- 1) Geological names of injection zones

Grayburg Formation
San Andres Formation

- 2) Lithological detail of injection zones:

The Grayburg Formation is comprised of seven lenticular sand strings:

Loco Hills A & B
Middle Metex
Lower Metex A & B
Upper & Lower Premier

The San Andres Formation is comprised of a series of porous & permeable dolomitic intervals occurring at various depths.

- 3) Thickness of injection zone (Grayburg Formation)

a. Average thickness 312'
b. Range of thickness 294' - 325'

Thickness of injection zone (San Andres Formation)

a. Average thickness 63'
b. Range of thickness 55' - 73'

- 4) Depth to injection zone (Grayburg Formation)

a. Average depth 2,491'
b. Range of depth 2468' - 2523'

Depth to injection zone (San Andres Formation) .

a. Average depth 2,803'
b. Range of depth 2762' - 2840'

- 5) Geologic name and depth to bottom of all underground sources of drinking water (TDS of 10,000 mg/l or less) overlying or immediately under injection zone:

None known

SECTION IX

No stimulation program is currently planned at this time.

SECTION X

N/A - see Section IX

SECTION XI

No known sources of fresh water within one mile of the proposed injection wells.

SECTION XII

To the best of knowledge of Texas American Oil Corporation there are no open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

LIST OF LEASEHOLD OPERATORS
ETZ STATE AREA

Arco Oil & Gas
Attn: Allen Harvey
P.O. Box 1610
Midland, Texas 79702

LaRue & Muncy
Attn: Martin Muncy
P.O. Box 196
Artesia, N.M. 88210

BelNorth Petroleum Corp.
Attn: Glenda Howard
One Petroleum Center
Building 6, Suite 201
3300 North "A"
Midland, Texas 79705

Kennedy Oil Company
Attn: Robert B. Kennedy
P.O. Box 151
Artesia, N.M. 88210

Texaco, Inc.
500 N. Loraine
Midland, Texas 79701

Damson Oil Corp.
731 W. Wadley
Midland, Texas 79707

Phillips Oil Co.
500 W. Texas
Midland, Texas 79701

Getty Oil Co.
550 W. Texas
Midland, Texas 79701

Gulf Oil Co.
15 Smith Road
Midland, Texas 79707