#### TEXAS WATER DEVELOPMENT BOARD

	WELL SCHEDULE				### T
	Aquifer(s) 40554020 Project No. S		4	79	17 POL
	217 HSTN Field No./Owner's Well No				
	Location:				_
١.	8 miles SE OF Wacu				
			~		
2.	Owner: BRA-Tratocat Planter Address: Waca	. 7 <del>,</del> 7			
	Tenant (other): Address:	,			
	Driller:Address: 8325 F	200	Rd	Dalla	TC 75227
3.	Land Surface Elevation: 385 ft. above msl determined by				
	Drilled: 10/26 1983; Dug, Cable Tool, Rotary, Air,				
5.	Depth: Rept. 2417_ft. Heasft.			PIPE & WELL	
	Borehole Completion: Open Hole, Traight Wall, Underreamed, Gravel Packed	Diam.	Type	) ft. to Setting	(feet)
7.	Pump: Hfr. red Jacket Type Subm.	(in.)	Steel	from	2410
	No. Stages, Bowls Diamin., Setting620_ft.	512 C14	Son.		
	Column Diam. 1/2 in., Length Tailpipe 6/0 ft.	5/2	Hort.	2330	2346
	Motor: Hfr. Red Jacket Fuel Elect HP. S	5/2	41	2356 2380	2374 2396
	Yield: Flowgpm, Pumpgpm, Meas., Rept., EstDate	2/6	<del>-</del>	2500	25/6
10.	Performance Test: DateLength of TestMade by				
	Static Levelft. Pumping Levelft. Drawdownft.				
	Productiongpm Specific Capacitygpm/ft.				
11.	Quality: (Remarks on taste, odor, color, etc.) Pope Lab - Colliers Was				
	Analyses  Date Laboratory TDS Sp Cond				
	Date Laboratory TDS Sp Cond				
12.	Other data available (as circled): Pumping Test, Power & Yield Test, Drillers Log				
	Formation Samples Genthysical Logis	L	· <u>.</u>	<u> </u>	
12	Water Level(s): 350 ft. rept. 10-26 1983 above below	which	ir fr	above	l Susface
1).	ft. rept. 19 above	_which	'3'' Is ft	pelow ram	Surface
14.	Hear Dom Stock Bublic Supply Ind Irr Observation Other (Test Hole Oil	Test e	to )		
15.	Recorded by: GLO Source of data: D. L. & Obs Soe	08548	Date: 2	3/15/2	
16.	Remarks:	+	<b>4</b>	- Ar 3-4 & C	
	E LOT File in separate Folder				
17.	Location or Sketch:				
	See back of Schedule & attached sheet				

MEN PUNCHER

W5YStem 11-2-88 E-209

W/L Obs. Well W/Q Obs. Well State Well No. 70-32-813

5 %.75 2.5 G 2.25

3 15 1.35 4.50

1,5

7) -<del>33</del> <del>45</del>

Loop 340

Blinting light

Part open gate to
BRA-Treatment plan

Times

CHEST SAL



				$\wedge$	
Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711	WATER WE	LL	REP		For TDWR use only  Well No. 40 40 40 AD  Located on map 765  Received: C.F.S.
2) LOCATION OF WELL:	lame)	(Sti			
County MCLennan	miles in	(N.E	., s.w.	, etc.)	(Town)
with distance and direction from two i tion or survey lines, or he must locate a well on an official Quarter- or Half-Sca	tion to the right Section I ntersecting sec- and identify the Abstract sle Texas County	No		Survey Name	
	See attach	ed ma	φ. 		M
7 TYPE OF WORK (Check):  New Well Deepening Reconditioning Plugging				☐ Mud Rotary ☐ Air Hammer	☐ Driven ☐ Bored
6) WELL LOG:	DIAMETER OF HOLE Dia. (in.) From (ft.) To (ft.)  Surface		□ Ope □ Gra	en Hole Straight Wall vel Packed Other	
Date drilled <u>10/26/83</u>	See attached	1	If G	ravel Packed give interval from	ft. to ft
From To (ft.) (ft.)	Description and color of formation material	8)	CASI	NG, BLANK PIPE, AND WELL SCE	REEN DATA:
See attac	h e d	Dia. (in.)	or	Perf., Slotted, etc.	Setting (ft.) Gage Casir From To Scree
; 					
<b></b>		<u> </u>	<u></u>	CEMENTING	DATA
		] ,	Cemen	ted from	ft. toft
0 80	ENGI			ted by	
	N 1 3 1984	91	WAT		y or Individual)
:	<u> </u>	1			rface Date
DE	RESOURCES	-	Artes	ian flowgpm. *	Date
WAILEU		10)	PAC	KERS: Type	Depth
WATER WELL REPORT  ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side  New York   Street or RPD    City   Street   City   City					
· · · · · · · · · · · · · · · · · · ·		11)	TYP	E PUMP:	
		1			rsible

Did you knowingly penetrate any strata which contained undesirable

□ No If yes, submit "REPORT OF UNDESIRABLE WATER"

(Use reverse side if necessary)

Type of water?\_\_ \_ Depth of strata .

Was a chemical analysis made? ☐ Yes 12) WELL TESTS:

Type Test: ☐ Pump

Depth to pump bowls, cylinder, jet, etc., \_

☐ Bailer

☐ Jatted ☐ Estimated

\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

265

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

\_\_\_\_\_Water Well Drillers Registration No. \_\_\_

Dallas

W. Dillard (Type or Print)

Texas

75227 (Zip)

ADDRESS . Street or RFD)

13) WATER QUALITY:

NAME.

(Signed)

TDWR-0392 (Rev. 1-12-79)

8325 Forney Road

(City)

(State) J. L. Myers Company

Please attach electric log, chemical analysis, and other pertinent information, if available.

## IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING PRIVILEGE OF CONFIDENTIALITY

The Water Well Drillers Board and the Department of Water Resources are concerned that some persons having water wells drilled may not be aware of the confidentiality privilege provision of Section 5 of the Water Well Drillers Act. Section 5, the Reporting of Well Logs, reads as follows:

"Every registered water well driller drilling, deepening, or otherwise altering a water well within this State shall make and keep, or cause to be made and kept, a legible and accurate well log, and within sixty (60) days from the completion or cessation of drilling, deepening or otherwise altering such a water well, shall deliver or transmit by certified mail a copy of such well log to the Commission, and the owner thereof or the person having had such well drilled. The well log required herein shall at the request in writing to the Commission, by certified mail, by the owner or the person having such well drilled be held as confidential matter and not made of public record."

The last sentence specifies the means whereby you can, if you wish, assure that logs of your wells will be kept confidential. Please note that the term "Commission" in the above-quoted section and elsewhere in the Water Well Drillers Act now properly means the Texas Department of Water Resources (P. O. Box 13087; Austin, Texas 78711).

ON EUERVE D

OEPT, OF. WATER RESOURCES RECORD OF WELL AND PUMP FOR

BRAZOS RIVER AUTHORITY
TREATMENT PLANT EXPANSION

WELL NO. 1

DRILLED BY:

J. L. MYERS COMPANY 8325 FORNEY ROAD DALLAS, TEXAS 75227

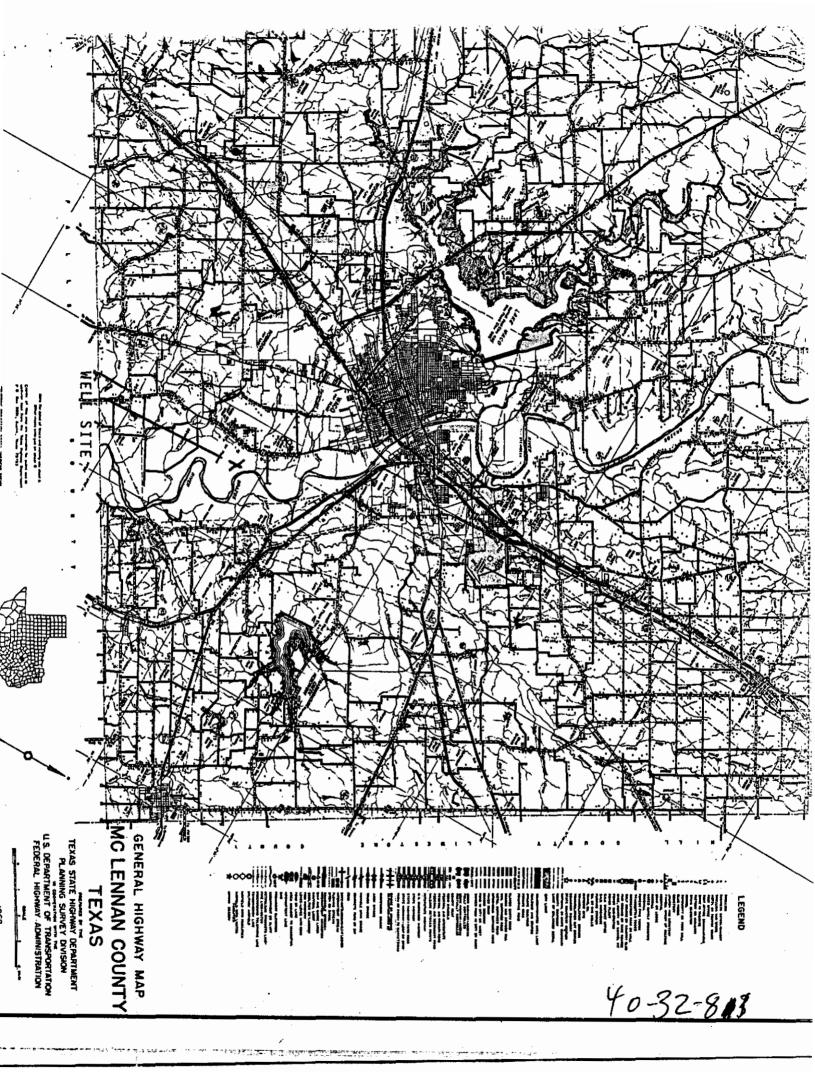
(214) 388-7407

CONTRACTOR:

CARROTHERS CONSTRUCTION COMPANY, INC.

P. O. BOX 269

PAOLA, KANSAS 66071-0269



#### DRILLER'S LOG

OWNER : BRAZOS RIVER AUTHORITY TREATMENT PLANT EXPANSION

LOCATION: WACO, TEXAS

DATE: OCTOBER 1983

DRILLERS: L. BERNARD, J. WAGONER

DEPTH OF From	STRATA To	EACH STRATUM Feet	DESCRIPTION
0	50	50	Cond and annual
50	228	178	Sand and gravel
228	245	178	Shale
245	299	54	Shale and lime
299	489	190	Lime
489	535	46	Lime and chalk
535	728	193	Lime and chalk
728	756	28	Shale
756	756 777		Shale and lime strks
777	808	21	Gumbo shale
808	913	31	Hard shale
913	932	105	Lime and shale mixed
932	999	19	Lime and shale mixed
999	1025	67	Lime
	1053	26	Hard lime
1025		28	Lime
1053	1099	46	Lime and shale
1099	1116	17	Shale mostly
1116	1257	141	Shale and lime
1257	1396	139	Lime and shale
1396	1431	35	Soft lime and lime strks
1431	1462	31	Soft lime
1462	1494	32	Limestone
1494	1605	111	Hard lime
1605	1615	10	Hard lime
1615	1681	66	Hard lime
1681	1712	31	Hard lime & soft limestone
1712	1912	200	Hard lime
1912	1978 *	66	Hard lime
1978	2006	28	Mixed lime and sand
2006	2023	17	Sand
2023	2030	7	Shale
2030	2051	21	Shale
2051	2064	13	Sand

# BRAZOS RIVER AUTHORITY TREATMENT PLANT EXPANSION DRILLER'S LOG (CONTINUED)

DEPTH From	OF STRATA To	EACH STRATUM Feet	DESCRIPTION
2064	2069	5	Gumbo shale
2069	2103	34	Hard sand, mixed shale
2103	2165	62	Hard sand, mixed shale
2165	2201	36	Hard sand, mixed shale
2201	2206	5	Mixed sand and shale
2206	2246	40	Sand, lime, red bed
2246	2261	15	Sand mostly
2261	2276	15	R'ed bed shale, mixed sand
2276	2280	. 4	Red bed shale, mixed sand
2280	2395	115	Hard sand and shale
2395	2411	16	Red bed
2411	2416	5	Lime

Total depth 2417 feet

J. L. MYERS COMPANY 8325 FORNEY ROAD DALLAS, TEXAS 75227

40-32-813

#### MATERIAL SETTING

OWNER : BRAZOS RIVER AUTHORITY TREATMENT PLANT EXPANSION

LOCATION: WACO, TEXAS

DATE : OCTOBER 1983

FROM	Т0	AMOUNT	DESCRIPTION
0	2410	2410	5-1/2" O.D. 15.5#/ft. O.250 wall casing set and cemented. Cementing by Halliburton using 390 sacks of Class H cement with 8% gel added.

#### **PERFORATIONS**

2330	2346	16	shots
2356	2374	18	shots
2380	2396	16	shots

J. L. MYERS COMPANY 8325 FORNEY ROAD DALLAS, TEXAS 75227 Cementer: Fill in shaded areas. Operator: Fill in other items.

#### RAILROAD COMMISSION OF TEXAS

Form W-15 Cementing Report Rev. 4/1/83 483-045

Oil and Gas Division

1. Operator's Name (As shown on Form P-5, Organization Report)  J. L. Myers Company	2. RRC Operator No.	3. RRC District No.	4. County of Well Site McLennan
5. Field Name (Wildcat or exactly as shown on RRC records)		6. API No. <b>42-</b>	7. Drilling Permit No.
8. Lease Name Brazos River Authority	9. Rule 37 Case No.	10. Oil Lease/Gas	ID No. 11. Well No.

CASI	NG CEMENTING DATA: SURFAC CASING				CTION ING	MULTI-STAGE CEMENTING PROCESS		
			CASING	Single String	Multiple Parallel Strings	Tool	Shoe	
2. (	ementing Date		entig with a love of the	10-12-83	e galeria Anglio			
3.	Drilled hole size							
	Est. % wash or hole enlargement							
14. 5	ilze of casing (in. O.D.)							
15. 1	op of liner (ft.)							
6. 5	ietting depth (ft.)					·		
.7. N	lumber of centralizers used							
18. ł	irs. waiting on cement before drill-out							
ř	19. API cement used: No. of sacks			390			,	
t Shurry	Clase			Н				
Ħ	Additives			8% Gel,				
È	No. of sacks							
2nd Slurry	Claas							
	Additives				(4.8) (1.4)			
<u> </u>	No. of sacks	Mills done on your	and the second of the second			STATES		
1 Slurry	Class							
34	Additives							
lst.	20. Siurry pumped: Volume (cu. ft.)			749	<b>,</b>	17.5		
	Height (ft.)			2965				
豆	Volume (cu. ft.)							
2nd	Height (fl.)					:		
7	Volume (cu. ft.)							
ä	Height (ft.)	* :						
7	Volume (cu. ft.)			749				
Total	Height (ft.)			2965				
21.	Was cement circulated to ground surface or bottom of cellar) outside casing?			Yes				

CEMENTING TO PLUG AND ABANDON	PLUG # 1	PLUG * 2	PLUG # 3	PLUG # 4	PLUG * 5	PLUG * 6	PLUG • 7	PLUG # 8
23. Cementing date			Today.		•			
24. Size of hole or pipe plugged (in.)							<u>.</u>	
25. Depth to bottom of tubing or drill pipe (ft.)								•
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)	Alta Cara				42	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	er blogg	
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)	Company of the Compan							
30. Slurry wt. (lbs/gal)		1. W	No. of a		v 1.			
31. Type cement		2.1			-	ş <u> </u>		
							*	

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

<del>-</del>	Bob Alford (Ceme	nter)	Hall	iburton Servi	ces 18	al- /4/.	List		٠.	
Name	and title of cementer's repre	sentative	Cementing	g Company	Signatur	e //	1-0-0	•		
	Drawer U	Palestine	Texas	75801	2144729-	2137	0ct	. 17,	1983	1
Addres	8		City.	State, Zip Code	Tel.: Area Code	Number	Date: 1	TIO.	day	yr.
	OPERATOR'S CERTIFICATE certification, that I have know true, correct, and complete, t	riedge of the well data and	linformation :	presented in this report	, and that data and fa					•
Typed	or printed name of operator's	representative	Title		Signatur	e .				
Addres	4		City.	State. Zip Code	Tel.: Area Code	Number	Date:	mo.	dav	YT.

#### Instructions to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

- A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:
  - An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
  - Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
  - Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.
- B. Where to file. The appropriate Commission District Office for the county in which the well is located.
- C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.
- D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.
- E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.
- F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).
- G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

*y* , ,

### POT TESTING LABORATORIES, C.

### CONSULTING ANALYTICAL CHEMISTS AND TESTING ENGINEERS

FOODS, FEEDS, DAIRY PROD. WATER, MISCL. ANALYSES COTTON SEED PRODUCTS PACKING HOUSE PRODUCTS SEED GERMINATION FENTILIZERS

P. O. BOX 903 DALLAS, TEXAS 75221 OFFICIAL CHEMISTS
WEIGHERS AND INSPECTORS
NATL. COTTONSEED PRODUCTS ASS'N.
NATL. SOYSEAN PROCESSOR'S ASS'N.
REFEREE CHEMISTS
AMERICAN OIL CHEMISTS SOCIETY

TO J L Myers Company Dallas, Tx

File No.

Date Rec'd 11-4-83

Report of Tests on

Water

Received from

You

Identification Marks

Bra-Woods 11-3-83

Coliform ----- Negative

Remarks

LAB NO.

62568

POPE TESTING LABORATORIES, INC.

By Blow Secretar

F-80-40M

# J. L. MYERS COMPANY NEW PUMP INSTALLATION

Owner <u>B</u>	BRAZOS	RIVER AUTHORI	TY TREATMENT P	PLANT EXPA	NZION	
Well No.	1		· · · · · · · · · · · · · · · · · · ·	Job No.	1116-83	
Date Inst	alled	10/27/83	Date :	Started		
Pump: Ma	ke	Red Jacket	Size	N28GC		
St	ages		S/N	JE278		
Da	te/Cod	6			,	
Motor: M	ake _	Red Jacket	Size	<u>न्यूक</u>		
Н	P	5 H P	Volts _	460	Amps 9.6	
S	/N	851-018-5	Code		Other	
Column:	Size	1-1/2"	Lengt	h <u>6</u>	10'	
	Chack	Valves 1-	1-1/4"			
				<del>-</del> :		
		p Nipple				
	Size	<del></del>	Disch	-		
Cable:		#8	Lengt	<del></del>	20'	
Airline:	Size	& type 1/4'	" Copper	Length	612'	
Starter:	Make			. Size _	·	
	Mode1	No.	· · · · · · · · · · · · · · · · · · ·	•		
	Fuse	CB				
	Heate	r				
	Time	Delay				
Water Lev	el: :	Static	′ .	Pumping	level	
•	GPM	<del></del>	Time	,	<del></del>	
Electrica		ltage	_			
		nps	<del></del> ;	<del></del> -		•
•	A.		,	<del></del> -' -		
Installe	r:	Randy Gammo	n s	·		<u> </u>
Remarks:	•			-		
		<del></del>	<del></del>	<del></del>	<del></del>	