

**Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number
79-58-407**

[GWDB Reports and Downloads](#)

Well Basic Details

[Scanned Documents](#)

State Well Number	7958407
County	San Patricio
River Basin	San Antonio-Nueces
Groundwater Management Area	16
Regional Water Planning Area	N - Coastal Bend
Groundwater Conservation District	San Patricio County GCD
Latitude (decimal degrees)	28.055278
Latitude (degrees minutes seconds)	28° 03' 19" N
Longitude (decimal degrees)	-97.871111
Longitude (degrees minutes seconds)	097° 52' 16" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	110
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	570
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	12/14/1984
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Historical Observation Well
Water Quality Available	No
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Corpus Christi WSW 84-1
Driller	Carl S. Crowell Drilling Co.
Other Data Available	Drillers Log; Electric Log; Specific Capacity
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	2/24/1997
Last Update Date	5/18/2007

Remarks	Pumps 1100 gpm. Historical observation well.
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Casing						
Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
20	Blank	Steel			0	154
13	Blank	Steel			0	197
13	Screen	Steel			197	247
13	Blank	Steel			247	267
13	Screen	Steel			267	317
13	Blank	Steel			317	357
13	Screen	Steel			357	377
13	Blank	Steel			377	397
13	Screen	Steel			397	458
13	Blank	Steel			458	517
13	Screen	Steel			517	537

Well Tests

Test Date	Test Type	Yield (gallons per minute)	Drawdown (ft.)	Test Hours
	Unknown	1100		

Lithology - No Data

Annular Seal Range - No Data

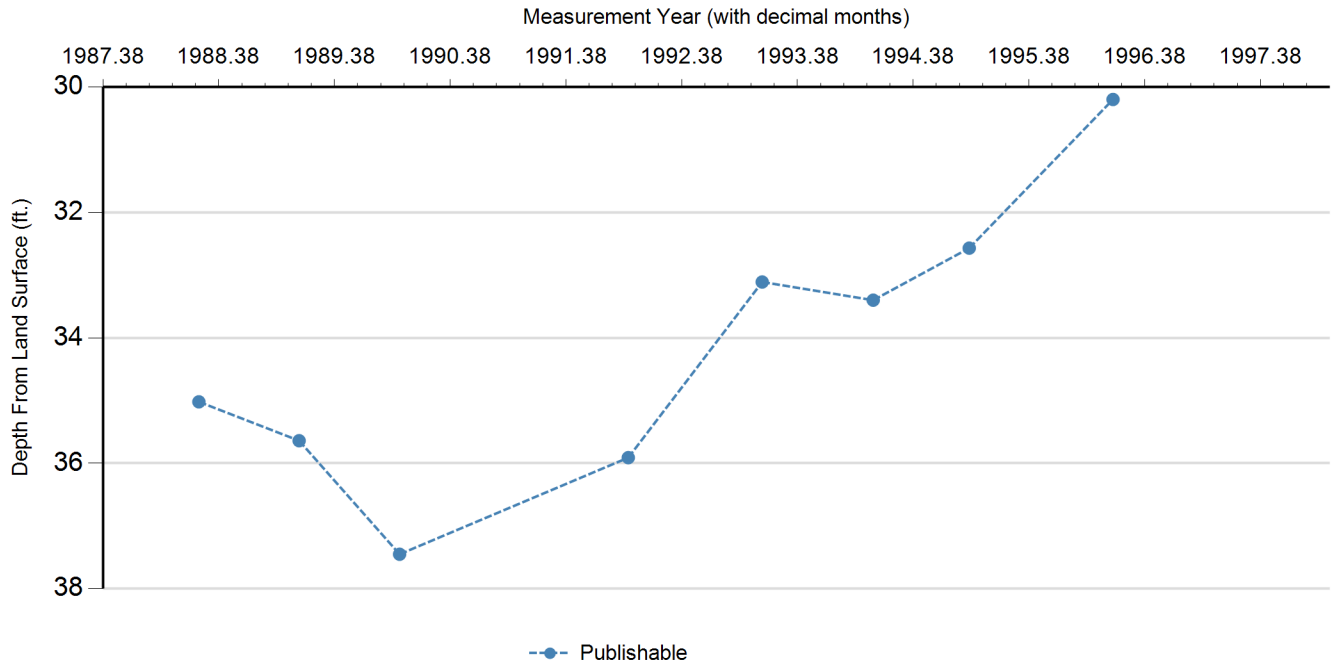
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in () indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/16/1988		35.02		74.98	1	Texas Water Development Board	Steel Tape		
P	1/27/1989		35.64	0.62	74.36	1	Texas Water Development Board	Steel Tape		
P	12/14/1989		37.45	1.81	72.55	1	Texas Water Development Board	Steel Tape		
P	12/5/1991		35.91	(1.54)	74.09	1	Texas Water Development Board	Steel Tape		
P	1/27/1993		33.11	(2.80)	76.89	1	Texas Water Development Board	Steel Tape		
P	1/12/1994		33.4	0.29	76.6	1	Texas Water Development Board	Steel Tape		
P	11/15/1994		32.57	(0.83)	77.43	1	Texas Water Development Board	Steel Tape		
P	2/8/1996		30.2	(2.37)	79.8	1	Texas Water Development Board	Steel Tape		
X	2/24/1997					1	Texas Water Development Board		36	

Code Descriptions

Status Code	Status Description
P	Publishable
X	No Measurement

Remark ID	Remark Description
36	Well deleted from observation Program

Water Quality Analysis - No Data Available

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (<http://www.twdb.texas.gov/groundwater/data/gwdbbrpt.asp>) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

TEXAS WATER DEVELOPMENT BOARD

WELL SCHEDULE

Outcrop Pg - Goliad Fm
 Aquifer(s) Goliad Fm (089) Project No. WSW 84-1 State Well No. 79-58-407
 Field No./Owner's Well No. Girl Scout County San Patricio (205)

1. Location: ±, ±, Section, Block ±, Survey ±, Lat. 28°03'18", Long. 27°52'15"

2. Owner: City of Corpus Christi Address: P.O. Box 9277 Corpus Christi, Tx 78469-9277
 Tenant (other): James L. Riley, P.E. Address: Wesley Spale Dam (Lake Corpus Christi)
P.O. Box 28, SAN ANTONIO, TX 78203 Ph: 512-541-2122

* Driller: Carl S. Crowell Drilling Co. Address: P.O. Box 205 Louise, TX 77455 Ph: (409) 648-2251

3. Land Surface Elevation: 110 ft. above msl determined by 7 1/2 min. topographic map

4. Drilled: December 14, 1984; Dug, Cable Tool, (Rotary), Air, Mud

5. Depth: Rept. 570 ft. Meas. ± ft.

6. Borehole Completion: Open Hole, Straight Well, (Underreamed), Gravel Packed
85% Lone Star 375, 20% Lone Star 301

7. Pump: Mfr. ± Type Submersible

No. Stages ±, Borehole Diam. ± in., Setting 248 ft.

Column Diam. 6 inch in., Length Tailpipe ± ft.

8. Motor: Mfr. ± Fuel ± HP 60

* 9. Yield: Flow ± gpm, Pump 850 gpm, Meas., (Rept.), Est. ± Date ±

10. Performance Test: Date ± Length of Test ± Made by ±

Static Level ± ft. Pumping Level 185 ft. Drawdown ± ft.

Production ± gpm Specific Capacity ± gpm/ft.

11. Quality: (Remarks on taste, odor, color, etc.) ±

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, Geophysical Log(s) ± (type) ±

13. Water Level(s): 35.9 ft. rept. 3/16/1988 above measuring point which is 0.7 ft. above Land Surface
± ft. rept. 19 above which is ± ft. below Land Surface

14. Use: Dom., Stock, (Public Supply), Ind., Irr., Observation, Other (Test Hole, Oil Test, etc.) Public Supply

15. Recorded by: Eric Adidas Source of data: Observation and City Records Date: 3/16/88

* 16. Remarks: Flow meter installed

* * Contact to visit well

17. Location or Sketch: See attached sketch

code 81

CASING, BLANK PIPE & WELL SCREEN Cemented From <u>0</u> ft. to <u>154</u> ft.			
Diam. (in.)	Type	Setting (feet)	
		From	to
20	Sch 40 Steel 0.375	0	154'
12 3/4	Stainless Steel 304	+3	196.45
12 3/4	Stainless Steel Screen		
	Wire - wrapped	196.45	246.60
	0.020" opening		
12 3/4	Steel Casing	246.6	266.70
12 3/4	Stainless Screen	266.70	316.65
12 3/4	Steel Casing	316.65	356.80
12 3/4	Steel Screen	356.80	376.80
12 3/4	Steel Casing	376.80	396.90
12 3/4	Steel Screen	396.90	457.60
12 3/4	Steel Casing	457.60	517.1
12 3/4	Steel Screen	517.1	537.1

Send original by
certified mail to
the
Texas Department of Water Resources
P. O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

For TDWR use only
Well No. 79-63-6H DWR
Located on map 78S 44E
Received: _____

1) OWNER City of Corpus Christi Address P.O. Box 9277 Corpus Christi TX 78469
(Name) (Street or RFD) (City) (State) (Zip)
2) LOCATION OF WELL: County San Patricio 7 miles in NW direction from Nathis TX
(Town)
Well # WSW/84#1

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ See attached map.

3) TYPE OF WORK (Check): ☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging
4) PROPOSED USE (Check): ☐ Domestic ☐ Industrial ☒ Public Supply ☐ Irrigation ☐ Test Well ☐ Other _____
5) DRILLING METHOD (Check): ☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) WELL LOG: Date drilled 10-18-84
DIAMETER OF HOLE
Dia. (in.) From (ft.) To (ft.)
18 Surface 350
26 564
7) BOREHOLE COMPLETION: ☐ Open Hole ☐ Straight Well ☒ Underreamed
☒ Gravel Packed ☐ Other _____
If Gravel Packed give interval ... from 350 ft. to 564 ft.

From (ft.)	To (ft.)	Description and color of formation material	8) CASING, BLANK PIPE, AND WELL SCREEN DATA:
			Dia. (in.) New or Used Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial Setting (ft.) From Gage Casing Screen
			<u>12</u> <u>New</u> <u>S.S. Steel</u> <u>0</u> <u>364'</u> <u>Blk.</u>
			<u>12</u> <u>New</u> <u>200/40 Slotted Nylon Screen</u> <u>364</u> <u>564</u>
			<u>304 Stainless Steel (typical)</u>
			<u>Screen by Houston Well Screen</u>

RECEIVED
DEC 10 1985

CEMENTING DATA
Cemented from 0 ft. to 154 ft.
Method used Pumped
Cemented by Halliburton Services
(Company or Individual)

TEXAS WATER COMMISSION

9) WATER LEVEL: Static level 25 ft. below land surface Date 10-18-84
Artesian flow _____ gpm. Date _____

10) PACKERS: Type _____ Depth _____

11) TYPE PUMP: ☒ Jet ☒ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., 248 ft.

13) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☒ Yes ☐ No

12) WELL TESTS: ☐ Type Test ☒ Pump ☐ Sailer ☐ Jetted ☐ Estimated
Yield: 1200 gpm with 300 ft. drawdown after 24 hrs.

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.

NAME Hugh Lee CALAWAY Water Well Drillers Registration No. 002217
(Type or Print)
ADDRESS P.O. Box 205 Louise Tx 77455
(Street or RFD) (City) (State) (Zip)
(Signed) H. Calaway Crowell Drilling Co., Inc.
(Water Well Driller) (Company Name)

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

WELL COMPLETION INFORMATION

CLIENT: City of Corpus Christi

WELL NO: WSW 84-1 (Girl Scout)

DATE OF COMPLETION: December 14, 1984

TYPE OF COMPLETION: Gravel Pack

DATUM: KB 6' AGL

TD: 570'

PBTD: 546.95'

CASING:

<u>Size</u>	<u>Material</u>	<u>Setting</u>
20"	Schedule 40 Steel Pipe (ASTMA-A53-Grade B .375 Wall)	0-154'
12 3/4"	304 Stainless Steel	+3.0-196.45' 246.60-266.70' 316.65-356.80' 376.80-396.90' 457.60-517.10' 537.1 -546.95'

SCREENS:

<u>Size</u>	<u>Material</u>	<u>Setting</u>	<u>Openings</u>
12 3/4"	304 Stainless Steel	196.45-246.60'	.020"
	Wire Wrapped Screens	266.70-316.65'	
	On Stainless Steel	356.80-376.80'	
	Base Pipe	396.90-457.60'	
		517.10-537.10'	

GRAVEL PACK:

80% Lone Star 375
20% Lone Star 361

79-58-407

DAILY LOG

CLIENT Corpus Christi Water Supply Study
 WELL WSW 84-1 (Girl Scout Camp)
 BY Tom Carothers

Ed L. Reed & Associates, Inc.
 Consulting Hydrologist
 Corpus Christi-Midland, Texas

DATE	TIME	DEPTH	ACTIVITY
10/15/84	1100	-	Rig crew arrived at site, start setting up to start.
	1400	0'	Start hole with approximately 8-3/4" bit (rock).
	1530	-60'	Start with 3rd drill collar.
	1540	100'	Start with 4th drill collar. Drill collar approximately 32' ea
			Run deviation survey.
	1700	165'	Start 5th drill collar.
	1711		Finished 5th, 11 minutes.
	1720		Start 1st drill rod
	1733		Finished 1st drill rod, 13 minutes.
	1750		Run deviation survey.
	1800		Start 2nd drill rod.
	1819	-250'	Finished 2nd drill rod, 19 minutes.
	1824		Start 3rd drill rod.
	1831	-293'	Finished 3rd drill rod, 7 minutes.
			Stop drilling for the day.
10/16/84	0700		Rigging up.
	0836		Finished 4th drill rod.
	0842		Start 5th drill rod.
	0859		Finished 5th drill rod, 17 minutes.
	0907		Start 6th drill rod, sticky, silty clay balling up.
	0935	-386'	Finished 6th drill rod, 28 minutes.
	0946		Start 7th drill rod.
	0956		Finished 7th drill rod, 10 minutes, lower -15' drilling easy - sand.
	1003		Start 8th drill rod, upper 10-15' sand.
	1009		Finished 8th drill rod, 6 minutes, lower 5' sand.
	1020		Run deviation survey.
	1039		Start 9th drill rod.
	1051		Finished 9th drill rod, 12 minutes.
	1100		Start 10th drill rod.
	1108	514'	Finished 10th drill rod, 8 minutes.
	1115		Start 11th drill rod, lower clay green, hard drilling.
	1132		Finished 11th drill rod, 17 minutes.
	1156		Start 12th drill rod.
	1232	570'	Finished 12th drill rod. TD
	1250		Circulating to condition hole.
	1445		Schlumberge arrived at site for logging.
	-1600		Running electric logs.
	-1630		Complete electric logs.
	1645		Rig up to run RFT repeat formation tester. Attempt sampling in several zones. Only enccessful at 410' and 519'. Good water samples C1- in field from 450 to 520 mg/l.
	1845		Leave site.

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DAILY LOG

CLIENT Corpus Christi Water Supply Study
WELL MSW 84-1 (Girl Scout Camp) (continuing from
BY Tom Carothers page 1)

Ed L. Reed & Associates, Inc.
Consulting Hydrologist
Corpus Christi-Midland, Texas

[illegible]

79-58407

CLIENT Corpus Christi Water Supply Study
 WELL WSW 84-1
 BY Tom Wilson

Ed L. Reed & Associates, Inc.
 Consulting Hydrologist
 Corpus Christi-Midland, Texas

DATE	TIME	DEPTH	ACTIVITY
10/25/84	10:30am		Reamed with 18" straight bit to 542'; sampled gravel packed material. Begin reaming with 24" underreamer in p.m. per Tom Carothers with Lee Calaway; scheduled to finish 10/27/84, screen blank pipe due on site 10/27/84, plan to run pipe on 10/28 or 10/29.
10/26/84			Continue underreaming.
10/28/84	8:30am		Steve Reed takes pipe tally.
	9:20am		Begin setting stainless steel pipe. Tom Wilson observes.
	11:00am		Welding pipe #5.
	12:40pm		Begin welding pipe #9.
	2:50pm		Begin welding pipe #13. Welded 3/4" measured pipe 1' above top of screens.
	4:20pm		Begin welding #17 ahead of pipe #16.
	4:55pm		Begin welding pipe #16, last joint.
			Total casing (measured) 543.95'.
			Amount of casing AGL 3.0
			Actual BOC BGL 540.95'
			Proposed bottom of casing 545.0 Below rotary table.
			Height of rotary table AGL 6.0
			Proposed BOC BGL 539.0
	6:10pm		Finished welding stainless steel casing to SC.
	6:15pm		Leave site. Crowel crew will set pipe and circulate.
10/29/84	10:45am		Arrive site. Graveling in progress. Tremy pipe 30' off bottom (541-30 = 511). Started 9:30 am.
	12:20pm		Continue graveling.
10/30/84			Top of gravel, run 2-3/8" tubing and start development.
10/31/84			Develop well with rig.
11/8/84			Crowel test crew setting 10" pump and drive shaft all day.
11/9/84	0930		Arrive site. Crowel rigging engine to right angle drive.
	1035		Pump on. Begin backwashing. No sand production, water clear.
	1230		Begin recovery from development.
	5:00pm		Leave site. Jack Collins takes over recovery.
11/10/84	6:05am		Arrive site. Prepare for 24 hour pumping test. Take antecedent water levels. Crowel man on site.
	7:08am		Begin pumping.

79-58-407

Ed L. Reed & Associates, Inc.
Consulting Hydrologist
Corpus Christi-Midland, Texas

WELL WSW 84-1

BY Jack Collins

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79-58-407

DAILY LOG

CLIENT Corpus Water Supply

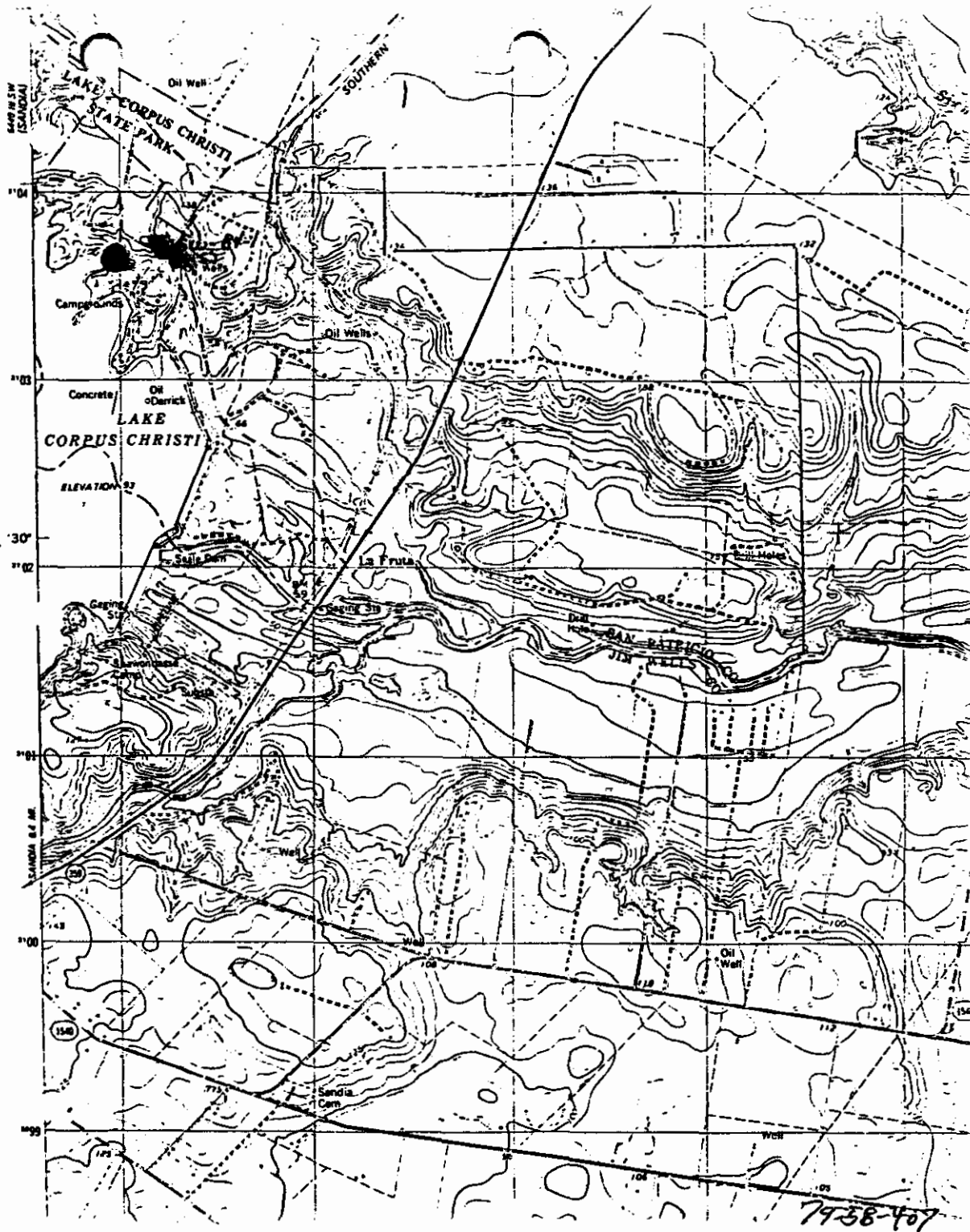
WELL WSW 84-1

BY Jack Collins

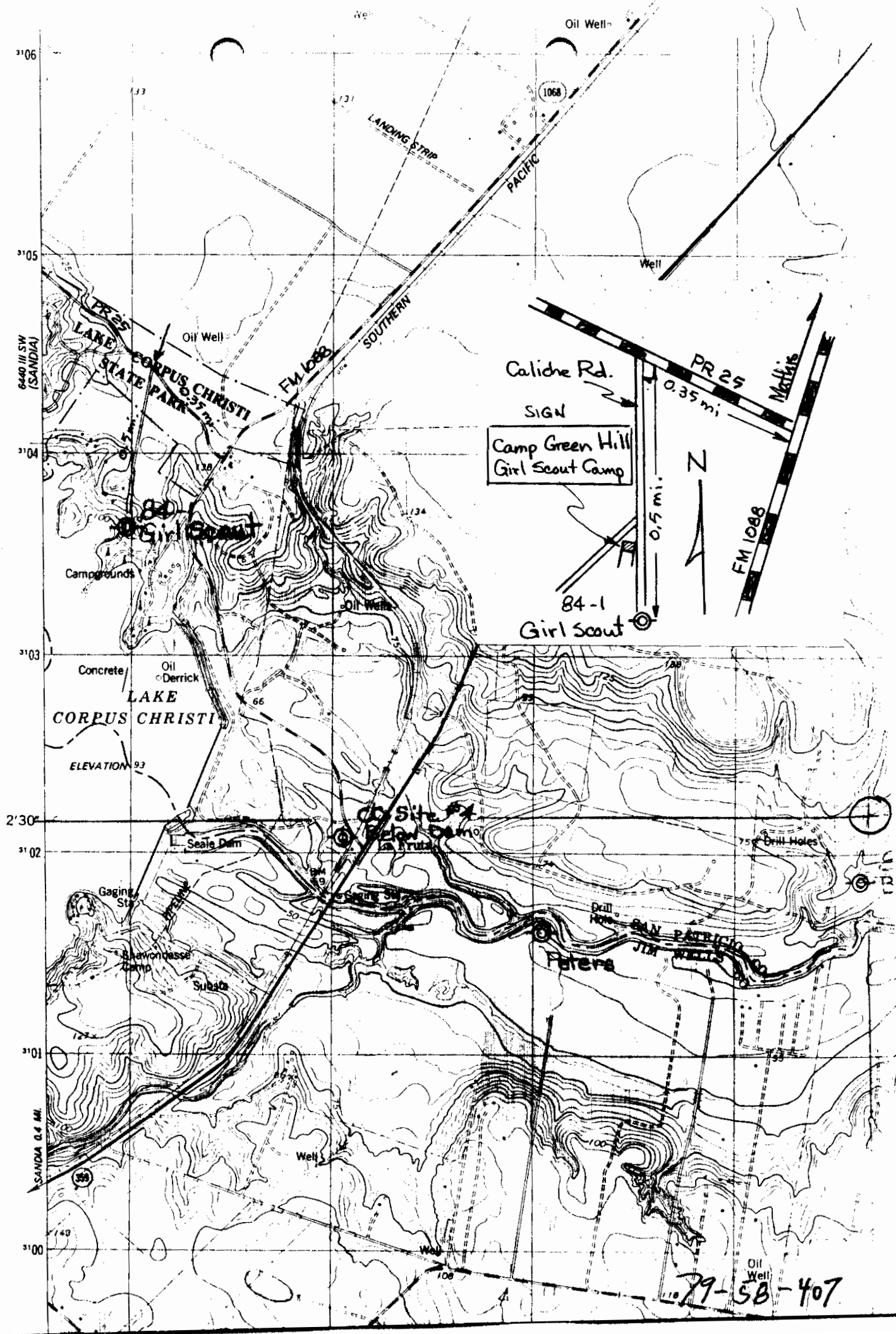
Ed L. Reed & Associates, Inc.
Consulting Hydrologist
Corpus Christi-Midland, Texas

[illegible]

79-58-407



7938-407



31°06'
31°05'
31°04'
31°03'
2°30'
31°02'
31°01'
31°00'

6440 III SW
(SANDIA)

SANDIA 0.4 MI

PR 25
LAKE
STATE PARK
CORPUS CHRISTI

LAKE
CORPUS CHRISTI

ELEVATION 93

Gaging
Sta
Blawie
Camp
Subs

Seale Dam

LANDING STRIP

SOUTHERN

FM 1088

Caliche Rd.
SIGN

Camp Green Hill
Girl Scout Camp

N

0.35 mi

0.5 mi

FM 1088

84-1
Girl Scout

Site 4
Below Dam
La Truta

Drill Hole
SAN PATRICK
JIM WELLS
Peters

75 Drill Holes

Oil Well

79-58-407

WELL COMPLETION INFORMATION

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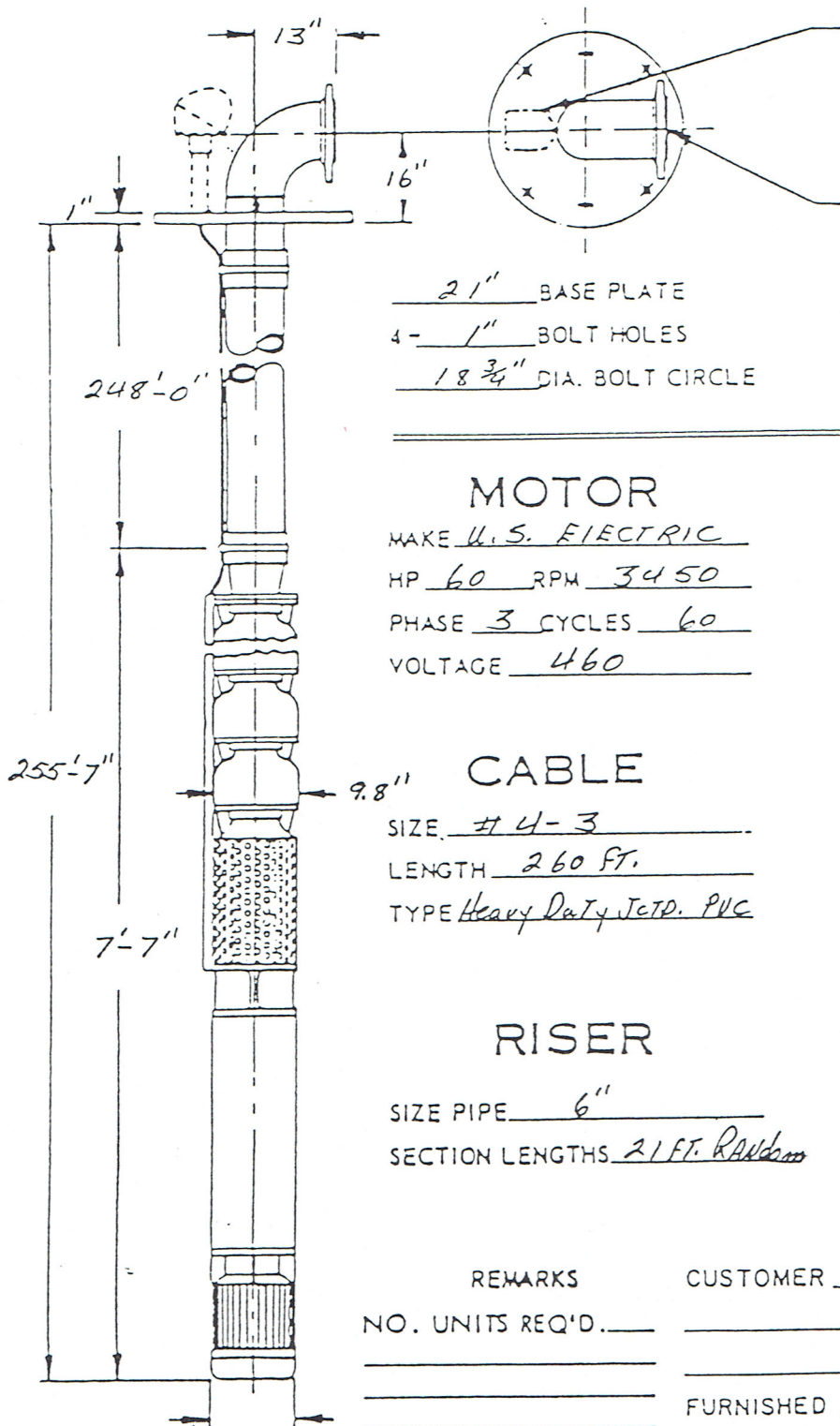
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		517.10-537.10'	

GRAVEL PACK:

80% Lone Star 375
20% Lone Star 361

 american turbine pump co., inc.

SUBMERSIBLE PUMP



JUNCTION BOX ☒ ☐
SIZE NEMA 4X

6 - R.F. 150° ASA DISCH FLG.
8'-7/8" HOLES
9 1/2" DIA BOLT CIRCLE
11" DIA FLANGE

MOTOR

MAKE U.S. ELECTRIC
HP 60 RPM 3450
PHASE 3 CYCLES 60
VOLTAGE 460

PUMP

TYPE 10-L-30 STAGE 1
700 GPM 213 TDH

CABLE

SIZE #4-3
LENGTH 260 FT.
TYPE Heavy Duty Jctd. PVC

DEPTH GAUGE ☒ ☐
AIR LINE ☒ ☐

MATERIAL PVC
LENGTH 248'-0"

MATERIAL

SURFACE PLATE STEEL
RISER PIPE STEEL
PUMP BOWL CAST IRON
IMPELLER BRONZE
BEARINGS NEOPRENE
BOWL SHAFT 416SS
STRAINER 316SS

RISER

SIZE PIPE 6"
SECTION LENGTHS 21 FT. RANDOM

REMARKS

NO. UNITS REQ'D. _____

CUSTOMER CROWELL DRUG CO.
BOX 205
Louise, Texas 77455

FURNISHED FOR _____
CITY of Corpus Christi
Well No. 801-1

P.O. NO. _____ JOB NO. _____

Pump Serial No. H436 Date 11-19-84

NOT FOR CONSTRUCTION
UNLESS CERTIFIED