One original and two (2) copies of this report must be filed with the Injection & Mining Division within twenty (20) days of the completion of work described on this form. Do not submit the Form UIC-WH1 until all work and tests have been performed on the well. Please complete the form with as much historical and current information as possible. **Incomplete and unsigned forms will not be accepted.**

FORM UIC-WH1
for INJECTION WELLS
WELL HISTORY & WORK RESUME REPORT

MAILING ADDRESS
OFFICE OF CONSERVATION
INJECTION & MINING DIVISION
P.O. BOX 94275
BATON ROUGE, LA 70804-9275

PHYSICAL ADDRESS
OFFICE OF CONSERVATION- 9th FL
INJECTION & MINING DIVISION
617 N. THIRD ST.
BATON ROUGE, LA 70802

SERIAL NUMBER	APPLICATION/PERMIT NUMBER
40345	35367

PERMITTED INJECTION ZONE (FT.)
TOP: 3,250 BOTTOM: 4,600

PERFORATED INTERVAL (FT.) (PERFORATIONS, OPEN HOLE, or TOP & BOTTOM OF CAVERN)
TOP: 3,576 BOTTOM: 3,596

FIELD: Duck Lake (FIELD CODE: 3444)

PARISH: St. Martin (PARISH CODE: 050)

SEC	TWN	RNG
002	15S	11E

WELL DATA

WORK TYPE (CHECK THE APPROPRIATE BOX)
- ☐ NEW DRILL WELL
- ☐ WELL CONVERSION
- ☐ REDRILL
- ☑ CHANGE OF ZONE
- ☐ SIDETRACK
- ☐ CAVERN MIT/ SONAR
- ☐ TEMPORARILY ABANDON
- ☐ OTHER WORK PERMIT

WELL TYPE (CHECK THE APPROPRIATE BOX)
- ☐ CLASS I
- ☐ CLASS II EOR
- ☐ CLASS II SWD
- ☐ CLASS II SWD COM
- ☑ CLASS II HYRDOCARBON STORAGE
- ☐ CLASS III
- ☐ CLASS VI
- ☐ OTHER _____

WELL NAME: Goodrich E SWD
WELL NUMBER: 001

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WELL FILES DIVISION

OPERATOR: Hilcorp Energy Company
OPERATOR CODE: (H032)

ADDRESS: P.O. Box 61229
CITY: Houston
STATE: TX
ZIP CODE: 77208-1229

SPUD DATE (MM/DD/YYYY): 04/02/1950
TOTAL DEPTH (FT): 11,888
PBTD (FT.):

GROUND ELEVATION (FT):
CASING HEAD FLANGE ELEVATION (FT):
DISTANCE FROM RKB TO CHF (FT): 7

CASING AND LINER RECORD
Complete this section with the available historical casing information and with any relevant information documented in the Description of Work Section.

CASING/LINER SIZE (OD-INCHES)	HOLE SIZE (INCHES)	CASING/LINER WEIGHT (LB/FT)	CASING/LINER SETTING DEPTHS (FEET) TOP	BOTTOM	CASING TEST PRESSURE (PSI)	CASING TEST DURATION (HOURS)	CASING TEST DATE (MM/DD/YYYY)	NAME OF TEST WITNESS- STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
16"	Driven	38	0	138	0			
10-3/4"	13"	40.5	0	3,024	500			
7"	9"	23	0	11,788	1,500			

CASING AND LINER CEMENT RECORD
Complete this section with the available historical cement information and with any relevant information documented in the Description of Work Section. If the cement information for the casing or liner is unknown, enter UNK in the Total Cement Used column; if the casing or liner was not cemented, enter 0 (zero) in the column.

CASING/LINER SIZE (OD-INCHES)	HOLE SIZE (INCHES)	CASING/LINER SETTING DEPTHS (FEET) TOP	BOTTOM	TOTAL CEMENT USED (SACKS)	LEAD AMOUNT (SACKS)	LEAD YIELD (CU FT/SACK)	LEAD TYPE (CLASS)	TAIL AMOUNT (SACKS)	TAIL YIELD (CU FT/SACK)	TAIL TYPE (CLASS)
16"	Driven	0	138	175						
10-3/4"	13"	0	3,024	500						
7"	9"	0	11,788	1300						

TUBING/HANGING STRINGS AND PACKER

TUBING/ HANGING STRING SIZE (OD-INCHES)	DEPTH (FEET)	PACKER(S) DEPTH(S) (FEET)
3-1/2	3,535	3,514

PLUG BACK RECORD
Acceptable plug types are 100-foot cement plugs (CP), Cast Iron Bridge Plugs topped with at least 10 feet of cement (CIBP) or a Cement Retainer topped with at least 20 feet of cement (CR). Include the top of cement in the Upper Plug Depth. Convert Feet of Cement to Sacks of Cement. Use the shallowest Upper Plug depth in the PBTD field.

DATE WORK PERMORMED (MM/DD/YYYY)	PLUG TYPE (CP, CIBP, or CR)	UPPER PLUG DEPTH (FEET)	LOWER PLUG DEPTH (FEET)	TOTAL CEMENT USED (SACKS)	CEMENT YIELD (CU FT/SACK)	TEST PRESSURE (PSI)	TEST DURATION (HOURS)	TEST DATE (MM/DD/YYYY)

OFFICE OF CONSERVATION
JUL 31 2013
INJECTION & MINING DIVISION

I, the undersigned, state: That I am employed by Hilcorp Energy Company and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge. I am aware there are significant penalties for submitting false information, including the possibility of a fine or imprisonment or both (LSA-R S. 30:17).

PRINT NAME: Jeannie Groves
PRINT TITLE: Senior Operations / Regulatory Tech
SIGNATURE:
DATE: 12-16-13

PRINTED
PR 12-16-13

WELL LOGGING AND TESTING DATA
Complete this section with the testing and logging information associated with THIS application.

WAS A MIPT PERFORMED?	WITNESSED BY A CONSERVATION AGENT?	TEST PRESSURE (PSI)	TEST DURATION (HRS)	TEST DATE
☑ YES ☐ NO	☑ YES ☐ NO	300	0.50	07/22/2013

MEASURE THE BOTTOM HOLE PRESSURE OR THE STATIC FLUID LEVEL FOR NEW DRILLED WELLS, WELL CONVERSIONS, REDRILLS, OR A CHANGE-OF-ZONE.	SHUT-IN BOTTOM HOLE PRESSURE AND DEPTH	DATE MEASURED	WITNESSED BY A CONSERVATION AGENT?
	PSI @ FT.		☐ YES ☐ NO
	STATIC FLUID LEVEL (FT.) / DATE MEASURED / METHOD USED		WITNESSED BY A CONSERVATION AGENT? ☐ YES ☐ NO

WAS WELL DIRECTIONALLY DRILLED?	WAS A DIRECTIONAL SURVEY MADE?	WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?	IF YES, DATE FILED
☐ YES ☑ NO	☐ YES ☑ NO	☐ YES ☐ NO	

TYPE OF ELECTRICAL OR OTHER LOGS RUN (COPIES OF ALL LOGS MUST BE FILED WITH THE INJECTION & MINING DIVISION.) — DATE FILED

MIT AND SONAR DATA
Salt Cavern Wells ONLY

WAS A MIT PERFORMED?	TEST DATE	IF YES, DATE FILED	WAS A CASING INSPECTION PERFORMED?	DATE	IF YES, DATE FILED
☐ YES ☐ NO			☐ YES ☐ NO		

WAS A SONAR PERFORMED?	CAVERN VOLUME PER SONAR (BBLS)	SONAR DATE	IF YES, DATE FILED
☐ YES ☐ NO			

TYPE OF ELECTRICAL OR OTHER LOGS RUN (COPIES OF ALL LOGS MUST BE FILED WITH THE INJECTION & MINING DIVISION.) — DATE FILED

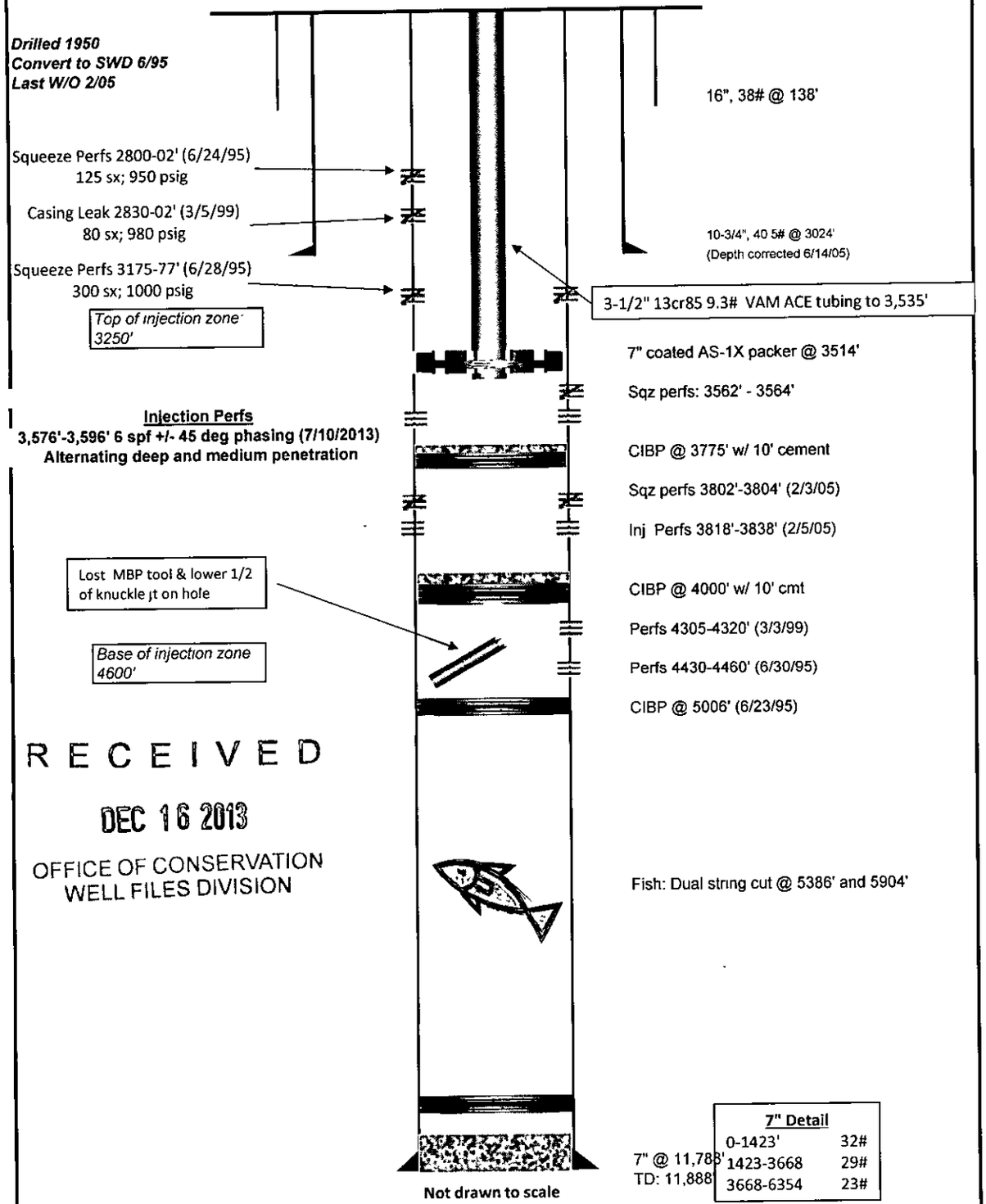
WORK RESUME
List below all work performed (the drilling, completion, or any other work) under this Injection & Mining Division permit.

DATE WORK PERFORMED (MM/DD/YYYY)	SERVICE COMPANY	DESCRIPTION OF WORK
06/27/13 06/28/13 06/29/13 06/30/13 07/01/13 07/02/13 07/03/13 07/04/13 07/09/13 07/10/13 07/11/13	Reliable #8	MIRU. Check tbg & csg pressures - bled to zero. Test BOPs. Work to free pkr. Begin POOH w/ pkr & tbg. RIH, tag @ 3772' wlm. Log up, POOH. Set 7" CIBP @ 3775'. POOH. Dump 10' 16.4 cmt on top of CIBP @ 3775'. POOH. Perf sqz holes 3562' - 3564'. POOH. MU sqz pkr. Get inj rate. M&P 50 sx cl H neat cmt, left 2 bbl behind csg. Release pkr, rev out clean. Put 500# on backside & 840# down tbg on sqz. Open well - csg had 500#. Tbg bled down to 45#. Release pkr. POOH. Tag cmt @ 3495'. Drill cmt to 3722'. Rev clean. Test sqz to 500#. Held ok. RIH w/ 3-1/2" tbg & AS-1X pkr. Set pkr @ 3514'. EOT @ 3535'. Made dummy/GR run. Log well, correlated. Fired gun 1 of 2: 3576' - 3596' wlm. Corr/tie-in. Fired gun 2 of 2: 3576' - 3596'.) psi on wellhead and csg. RD. MOL.

FORMATIONS
List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

HILCORP ENERGY COMPANY



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WELL NAME/NUMBER	DESCRIPTION		
Goodrich E-1 SWD	SWD Uphole Recomplete		
FIELD/LEASE/AREA	PREPARED BY	APPROVED/DATE	Serial # 40445
Duck Lake	J Brown	7/26/2013	

OFFICE OF CONSERVATION
JUL 31 2013
INJECTION & MINING DIVISION