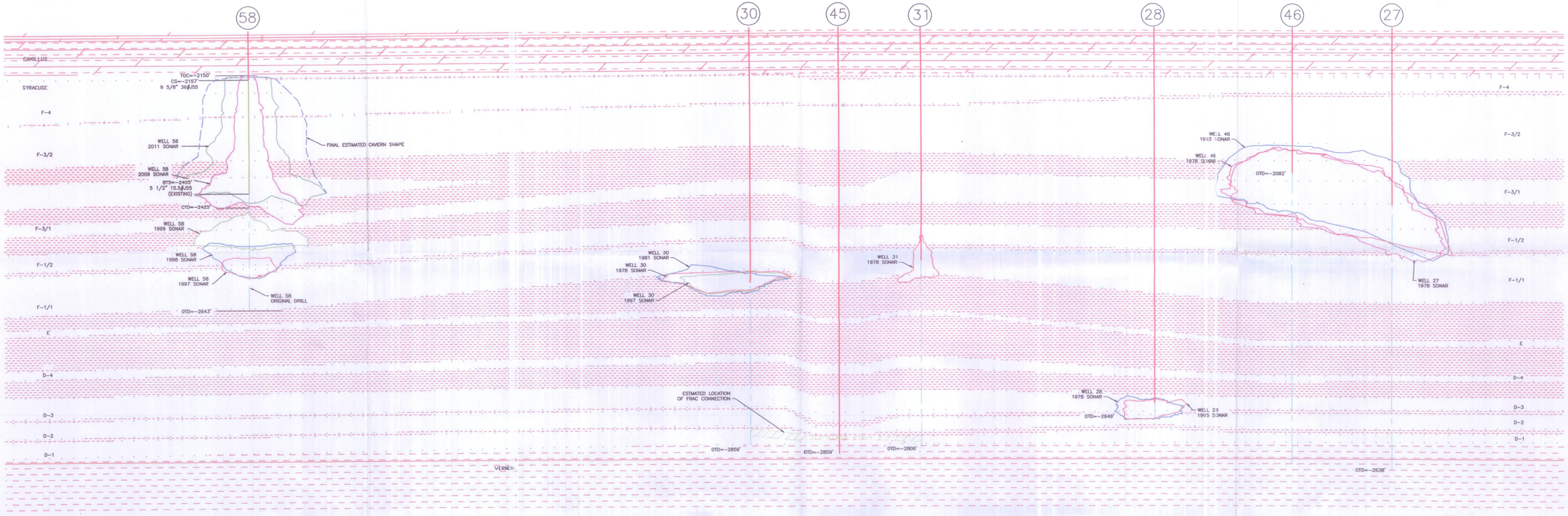
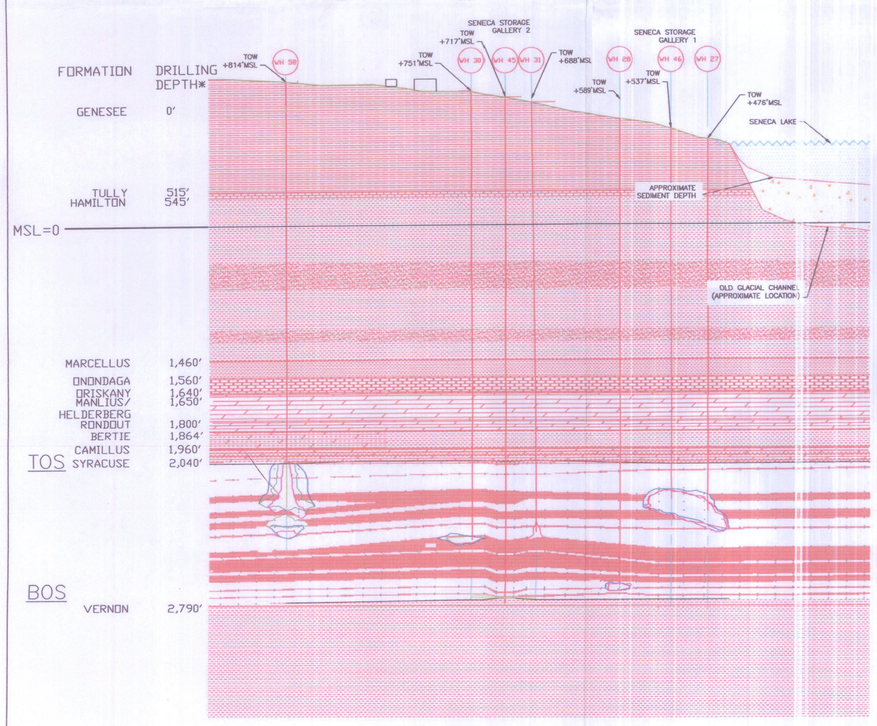


DETAIL FOR WELL 58 and SENECA STORAGE GALLERIES 1 & 2

200' 100' 50'
SCALE KEY



SECTION A–A' LOOKING NORTH

100' 200' 100'
SCALE KEY

NOTES:
1. DISTANCES BETWEEN WELLS ARE MEASURED FROM DRAWING 2000-00-01-11
2. DEPTHS ARE MEASURED IN FEET FROM GROUND LEVEL.

DATA ON INERGY MIDSTREAM / US SALT WELLS NEAR WATKINS GLEN, NY, USA

WELL #; & OPERATING COMPANY	DATE DRILLED	ORIG. TD. FROM GL	ELEV @ GL	STATUS	MAX PRESS. PSI	API#	NAD 83 LAT/LONG	LAST SONAR DATE	DIRECTIONAL SURVEY DATE	OTHER LOGS & DATES
WELL # 27 US SALT	4/27/1957	2638	476	P & A	NA	31-097-03-891	42.4158557 / 76.8909174	4/26/1978		
WELL # 29 US SALT	Jun-58	2684	605	P & A	NA	31-097-03-940	42.42018 / 76.89441			CAL/NL/CCL 7/64 CAL 9/63 PERF LOG 7/16 71
WELL # 30 NYSEG	12/15/1997	2540	751	MONITOR	NA	31-097-61-188	42.4158552 / 76.8961632	12/18/1997		
WELL # 31 NYSEG	4/1/1961	2806	688	P & A	NA	31-097-61-189	42.4159198 / 76.8946671	7/20/1978	4/25/1961	
WELL # 45 NYSEG	1967	2870	717	P & A	NA	31-097-61-201	42.4155410 / 76.8954711			
WELL # 46 NYSEG	11/29/1993	2082	537	ACTIVE / NG	1350	31-097-61-202	42.4155799 / 76.8917668	12/21/1993	11/18/1970	
WELL # 58 I M	10/17/1992	2425	814	DRILLED OUT/TEST	NA	31-097-21-467	42.416054 / 76.899519	3/25/2011	9/3/2009	GR/SBL/MICRVERT 10/09

KEY

TOS = TOP OF SALT
BOS = BOTTOM OF SALT
TOC = TOP OF CAVERN
TOW = TOP OF WELL
CTD = CURRENT TOTAL WELL DEPTH
OTD = ORIGINAL TOTAL WELL DEPTH
TOF = TOP OF FRAC
BOF = BOTTOM OF FRAC
CS = CASING SEAT
SCS = SURFACE CASING SEAT
BTS = BRINE TUBING STRING
CENTERLINE OF ORIGINAL DRILL
FIRST RECORDED SONAR SURVEY
SECOND RECORDED SONAR SURVEY
THIRD RECORDED SONAR SURVEY
FOURTH RECORDED SONAR SURVEY
FIFTH RECORDED SONAR SURVEY
SIXTH RECORDED SONAR SURVEY
SEVENTH RECORDED SONAR SURVEY
EIGHTH RECORDED SONAR SURVEY

SHALE & LIMESTONE
LIMESTONE
SALT
SHALE
FOSSILIFEROUS LIMESTONE
SANDSTONE
LIMESTONE & DOLOMITE
SHALE & DOLOMITE

NO.	DATE	REVISION	BY	CHK	APPR.
0	5/12/10	DRAWING RELEASED	JMR	L.D.	L.D.
1	6/23/10	TITLE INFORMATION CHANGE	JMR	L.D.	L.D.
2	9/26/10	ADDED ESTIMATED CAVERN SHAPE: WELL 58	JMR	L.D.	L.D.
3	4/6/11	UPDATE CAVERN SHAPE: WELL 58; FORM. EL.S	JMR	L.D.	L.D.
4	4/19/11	CHANGED ALL DEPTHS TO BELOW SURFACE	JMR	B.M.	B.M.

INERGY

FINGER LAKES LPG STORAGE, LLC

VERTICAL SECTION A–A' (WEST–EAST)
SOUTH BRINE FIELD SENECA STORAGE
GALLERIES 1 AND 2, AND WELL 58

SCALE	PROJECT NO.		REV.
AS NOTED	–	2000-00-01-12-16 SHT 1	4

3rd NOPA → April 19, 2011 Submittal Attach. E