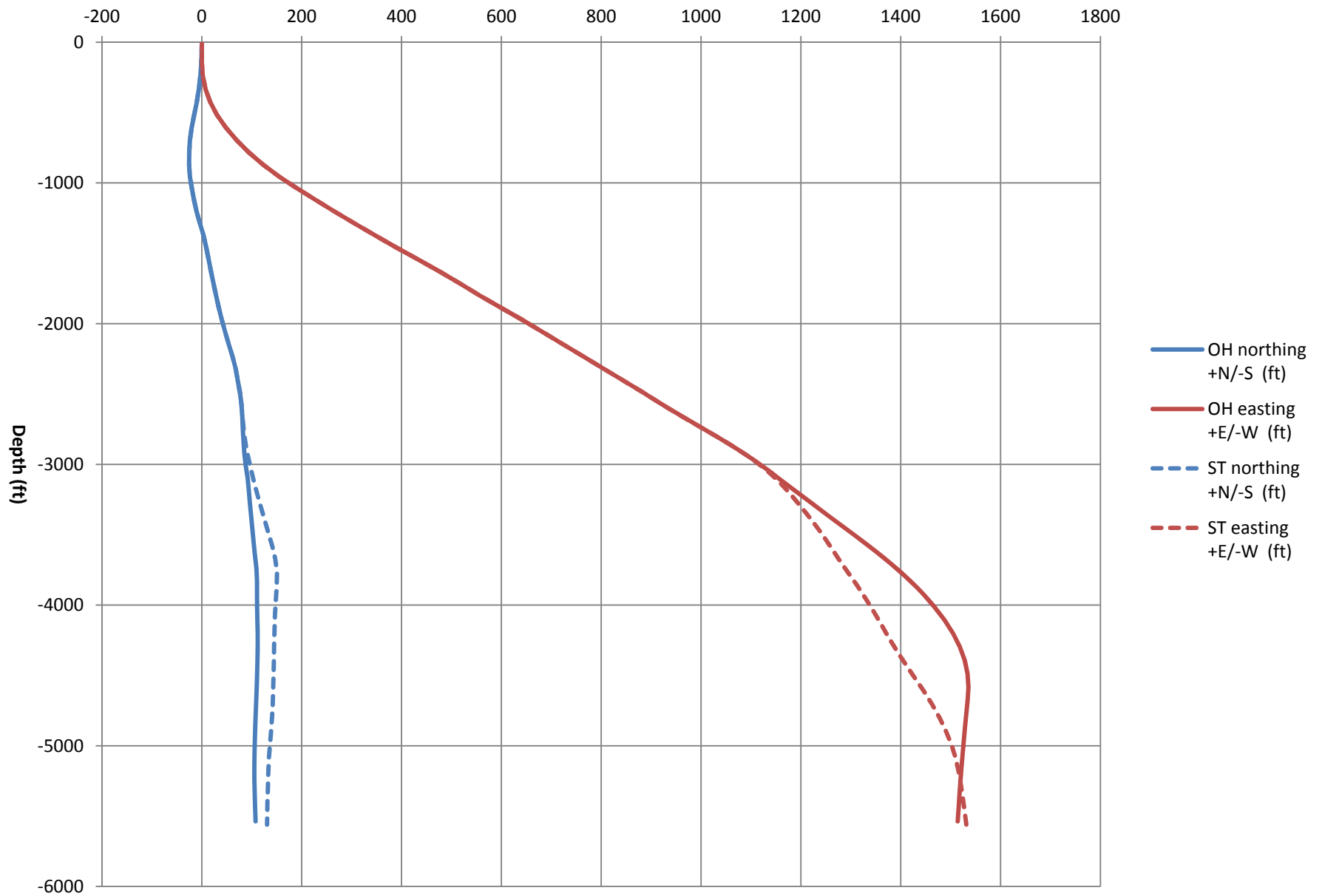


CC 697-20-30DB (045-12085) As-Drilled Directional Surveys



OH-00

Header Information	measure d depth (ft)	inclina tion (°)	azimut h (°)	true vertical depth (ft)	northin g +N/-S (ft)	easting +E/-W (ft)
Operator Name	0	0.00	0.00	0	0	0
OXY USA RMAT	151	0.78	178.80	151	-1.03	0.02
Operator Number	243	2.81	125.38	242.95	-2.96	1.87
66571	336	5.24	114.67	335.71	-6.05	7.59
Well Name and Number	427	7.59	113.31	426.14	-10.17	16.89
Cascade Creek 697-20-30DB ST01	518	10.49	109.01	516	-15.24	30.24
API Number (if available)	610	12.74	103.18	606.11	-20.29	48.04
05-045-12085	702	14.68	96.17	695.49	-23.85	69.51
Location: QQ SEC TWP RGE	793	16.78	91.44	783.08	-25.42	94.11
SENW 20 6S 97W	885	19.60	88.9	870.48	-25.46	122.82
Citing Type: Planned or Actual	977	22.11	85.62	956.45	-23.84	155.52
	1055	24.44	82.62	1028.1	-20.65	186.16
Deviation Indicator	1151	24.33	83.77	1115.53	-15.95	225.52
Directional ▼	1247	25.40	80.99	1202.64	-10.58	265.51
North Reference	1342	26.22	79.73	1288.16	-3.65	306.29
True ▼	1437	25.8	80.86	1373.54	3.38	347.35
Grid Type	1533	27.09	84.17	1459.5	8.92	389.72
▼	1628	27.65	83.88	1543.86	13.47	433.16
	1723	26.28	83.24	1628.53	18.29	475.97
	1818	24.97	82.68	1714.19	23.32	516.74
	1913	25.36	82.73	1800.17	28.45	556.81
	2009	27	82.63	1886.32	33.85	598.82
	2104	26.27	80.87	1971.24	39.95	640.96
	2199	24.81	80.45	2056.95	46.6	681.38
	2295	25.89	80.17	2143.71	53.52	721.89
	2392	25.52	78.68	2231.11	61.23	763.25
	2487	25.08	83.6	2317.01	67.49	803.33
	2582	25.65	84.17	2402.85	71.83	843.79
	2678	24.45	83.25	2489.82	76.27	884.19
	2773	24.25	87.34	2576.37	79.49	923.21
	2857	25.47	87.39	2652.59	81.11	958.48
	2887	25.47	87.39	2679.67	81.7	971.37
	2983	26.98	86.2	2765.79	84.08	1013.72
	3078	24.68	84.13	2851.29	87.54	1054.96
	3174	22.94	81.75	2939.12	92.28	1093.42
	3269	19.22	78.96	3027.75	97.93	1127.1
	3365	15.97	76.13	3119.25	104.12	1155.44
	3460	14.17	71.46	3210.98	110.95	1179.15
	3556	13.6	70.97	3304.17	118.37	1200.97
	3651	13.17	69.08	3396.59	125.88	1221.63
	3746	12.25	67.52	3489.26	133.59	1241.06
	3842	11.32	66.52	3583.24	141.24	1259.11

Common Wellbore

00

**Last Survey
Projection To TD**

[illegible]

ST-01

Header Information	measure d depth (ft)	inclina tion (°)	azimut h (°)	true vertical depth (ft)	northin g +N/-S (ft)	easting +E/-W (ft)
Operator Name	0	0.00	0.00	0	0	0
OXY USA RMAT	151	0.78	178.80	151	-1.03	0.02
Operator Number	243	2.81	125.38	242.95	-2.96	1.87
66571	336	5.24	114.67	335.71	-6.05	7.59
Well Name and Number	427	7.59	113.31	426.14	-10.17	16.89
Cascade Creek 697-20-30DB Original Hole	518	10.49	109.01	516	-15.24	30.24
API Number (if available)	610	12.74	103.18	606.11	-20.29	48.04
05-045-12085	702	14.68	96.17	695.49	-23.85	69.51
Location: QQ SEC TWP RGE	793	16.78	91.44	783.08	-25.42	94.11
SENW 20 6S 97W	885	19.60	88.9	870.48	-25.46	122.82
Citing Type: Planned or Actual	977	22.11	85.62	956.45	-23.84	155.52
	1055	24.44	82.62	1028.1	-20.65	186.16
Deviation Indicator	1151	24.33	83.77	1115.53	-15.95	225.52
Directional ▼	1247	25.40	80.99	1202.64	-10.58	265.51
North Reference	1342	26.22	79.73	1288.16	-3.65	306.29
True ▼	1437	25.8	80.86	1373.54	3.38	347.35
Grid Type	1533	27.09	84.17	1459.5	8.92	389.72
▼	1628	27.65	83.88	1543.86	13.47	433.16
	1723	26.28	83.24	1628.53	18.29	475.97
	1818	24.97	82.68	1714.19	23.32	516.74
	1913	25.36	82.73	1800.17	28.45	556.81
	2009	27	82.63	1886.32	33.85	598.82
	2104	26.27	80.87	1971.24	39.95	640.96
	2199	24.81	80.45	2056.95	46.6	681.38
	2295	25.89	80.17	2143.71	53.52	721.89
	2392	25.52	78.68	2231.11	61.23	763.25
	2487	25.08	83.6	2317.01	67.49	803.33
	2582	25.65	84.17	2402.85	71.83	843.79
	2678	24.45	83.25	2489.82	76.27	884.19
	2773	24.25	87.34	2576.37	79.49	923.21
	2870	25.8	88.15	2664.26	81.1	964.21
	2965	26.93	89	2749.38	82.14	1006.38
	3060	24.03	87.23	2835.13	83.45	1047.22
	3156	23.5	88.13	2922.99	85.02	1085.87
	3251	21.26	82.22	3010.84	87.97	1121.88
	3344	20.27	85.03	3097.8	91.65	1154.63
	3440	20.81	86.2	3187.7	94.22	1188.22
	3535	20.98	86.61	3276.45	96.34	1222.03
	3647	20.68	85.7	3381.13	99.01	1261.77
	3742	20.29	85.78	3470.12	101.48	1294.92
	3838	20.2	86.16	3560.19	103.82	1328.06
	3933	20.09	84.37	3649.38	106.51	1360.66

COMMON WELLBORE

01

**Last Survey
Projection To TD**

[illegible]