

HC Mex 14-13 Formation Tops

Formation	Source	MD	TVD	SSTVD
MOENKOPI	MHD	2,122	1,987	4,812
CUTLER	GMC	3,087.40	2,839.30	3,959.70
HONAKER TRAIL	GMC	7,483	7,160	-361
ISMAY	GMC	9,231.40	8,903.70	-2,104.70
GOTHIC SHALE	GMC	9,707.70	9,380.00	-2,581.00
DESERT CREEK	GMC	9,815.30	9,487.60	-2,688.60
CHIMNEY_ROCK	GMC	9,987.20	9,659.40	-2,860.40
AKAH	GMC	10,011.10	9,683.30	-2,884.30
PARADOX SALT	GMC	10,473.20	10,145.30	-3,346.30

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Fm Name	Src	MD	SSTVD	TVD	Qual	Time(ms)	Rpt	Sym	Hole Angle	Chg Date	Desc
WINGATE	TJM	1,294	5,556	1,243				0	26.6	9/17/2007	top of the Wingate Ss
CHINLE	TJM	1,583	5,299	1,500				0	27.9	9/17/2007	top of the Chinle Fm.
CHINLE	MHD	1,876	5,036	1,763				0	23.5	1/12/2007	CHINLE
MOENKOPI	TJM	1,936	4,981	1,818				0	23.8	12/17/2007	Moenkopi Top
MOENKOPI	MHD	2,122	4,812	1,987				0	24.6	1/12/2007	MOENKOPI
CST-2	GMC	3,087.40	3,959.70	2,839.30				0	27.8	12/13/2011	Cutler 2
2800_TOP	MHD	3,176	3,881	2,918				0	26.7	1/12/2007	2800 Top
CST-3	GMC	3,277.50	3,789.80	3,009.20				0	25.7	12/13/2011	Cutler 3
CST-3_BASE	GMC	3,320.30	3,751.10	3,047.90				0	25.2	12/20/2011	Cutler 3 Base
2400	MHD	3,655	3,443	3,356				0	19.4	1/12/2007	2400
CST-4	GMC	3,781.90	3,322.40	3,476.60				0	17.1	12/13/2011	Cutler 4
BASE_CEDAR_MESA	MHD	4,289	2,829	3,970				0	8.5	1/12/2007	BASE_CEDAR_MESA
CST-5	GMC	4,291.40	2,826.70	3,972.30				0	8.5	12/13/2011	Cutler Marker
CST-6	GMC	4,509	2,611	4,188				0	5.3	12/13/2011	Cutler Marker
3800	MHD	4,512	2,608	4,191				0	5.3	1/12/2007	3800
CST-1	GMC	4,716.80	2,403.20	4,395.80				0	2.5	12/13/2011	Cutler 1
CST-7	GMC	5,301	1,819	4,980				0	2.9	12/13/2011	Cutler Marker
CST-10 *	GMC	5,649	1,472	5,327				0	2.6	12/13/2011	Cutler marker
CST-8	GMC	6,854.90	266.4	6,532.60				0	1.5	12/13/2011	Cutler marker
CST-9	GMC	7,047.80	73.5	6,725.50				0	1.8	12/13/2011	Cutler Mrker
HONAKER_TR *	MHD	7,483	-362	7,161				0	3.4	1/23/2007	HONAKERTR
HONAKER_TR_CALC *		7,483	-362	7,161				0	3.4	11/14/2007	HONAKER_TR_CALC
409HRMS	3	7,944	-820	7,619				0	5.5	8/3/2015	
404ISMY	3	9,876	-2,749	9,548				0	1.2	8/3/2015	
404DRCK	3	10,330	-3,203	10,002				0	1.2	8/3/2015	
404GTHC	3	10,131	-3,004	9,803				0	1.2	8/3/2015	
HTS-1 *	GMC	7,483	-361	7,160				0	3.3	12/26/2011	HT Sand
HTS-6	GMC	7,920	-797	7,596				0	5.5	8/24/2011	6th HT Sand
HONAKERTR	SFW	7,944	-821	7,620				0	5.5	6/1/2005	HONAKERTR
HTS-7	GMC	7,960	-836	7,635				0	5.4	8/24/2011	7th HT Sand
HTS-8	GMC	8,037	-913	7,712				0	4.9	8/24/2011	8th HT Sand
HTS-9	GMC	8,138	-1,013	7,812				0	5.9	8/24/2011	9th HT Sand
HTS-2	GMC	8,210	-1,085	7,884				0	4.9	8/24/2011	10th HT Sand
HT_MKR_5	MHD	8,310	-1,185	7,984				0	3.3	8/20/2007	HT_MKR_5
HTS-11 *	GMC	8,365	-1,240	8,039				0	2.9	8/24/2011	11th HT Sand
HTS-12	GMC	8,422	-1,297	8,096				0	3.6	8/24/2011	12th HT Sand
SALT_2	CMA	8,505	-1,380	8,179				0	3.9	9/21/2006	Salt Clastic 2

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HTS-13	GMC	8,506	-1,381	8,180				0	3.9	8/24/2011	13th HT Sand
HT_MKR_4	MHD	8,512	-1,387	8,186				0	4	8/20/2007	HT_MKR_4
LA_SAL *	CMA	8,701	-1,575	8,374				0	5.2	9/20/2006	LaSal Carbonate
HKTL-_HSST	MHD	8,739	-1,613	8,412				0	4.4	8/20/2007	HKTL-_HSST
LA_SAL	MHD	8,742	-1,616	8,415				0	4.4	10/25/2007	La Sal
HKTR_1-A *	CMA	8,754	-1,628	8,427				0	4.1	7/12/2006	HKTR_1-A
HKTL-_HSST	SFW	8,754	-1,628	8,427				0	4.1	6/1/2005	HKTL-_HSST
HKTR_1	CMA	8,812	-1,685	8,484				0	2.9	9/7/2006	Honaker Trail Marker 1
TEMP_10	CMA	8,816	-1,690	8,489				0	2.8	2/27/2006	Temporary
HKTL_BASAL	SFW	8,816	-1,690	8,489				0	2.8	6/1/2005	HKTL_BASAL
HKTL_HSST_BASE *	MHD	8,816	-1,690	8,489				0	2.8	10/25/2007	HKTL_HSST_BASE
HKTR_HSST_BASE *	CMA	8,817	-1,690	8,489				0	2.8	9/7/2006	HKTR_HSST_BASE
BASE_HSST	TJM	8,817	-1,690	8,489				0	2.8	8/1/2007	base of high stand system tract
LHTS-1	GMC	8,821.90	-1,695.50	8,494.50				0	2.7	8/30/2011	Lower HT Sand 1
LHTR_1_SAND	TJM	8,823	-1,697	8,496				0	2.7	10/21/2007	top of lower honaker trail sand #1
HT_MKR_3_2_3	MHD	8,830	-1,703	8,502				0	2.6	1/12/2007	HONAKER TRAIL MKR 3_2_3
HT_MKR_3_2_2	MHD	8,845	-1,719	8,518				0	2.5	1/12/2007	HONAKER TRAIL MKR 3_2_2
LHTR_2_SAND	TJM	8,847	-1,721	8,520				0	2.5	10/21/2007	top of lower honaker trail sand #2
LHTS-2	GMC	8,849.50	-1,723.00	8,522.00				0	2.5	8/30/2011	Lower HT Sand 2
HT_MKR_3_2_1	MHD	8,850	-1,724	8,523				0	2.5	1/12/2007	HONAKER TRAIL MKR 3_2_1
SALT_1	CMA	8,879	-1,752	8,551				0	2.2	9/21/2006	Salt Clastic 1
LHTR_3_SAND	TJM	8,893	-1,766	8,565				0	2.2	10/21/2007	top of lower honaker trail sand #3
HT_MKR_3_1_3	MHD	8,894	-1,768	8,567				0	2.2	1/12/2007	HONAKER TRAIL MKR 3_1_3
LHTS-3	GMC	8,899.90	-1,773.40	8,572.40				0	2.1	8/30/2011	Lower HT Sand 3
LA_SAL_SAND	CMA	8,901	-1,774	8,573				0	2.1	7/13/2006	La Sal Shale
HT_MKR_3_1_2	MHD	8,959	-1,832	8,631				0	1.8	1/12/2007	HONAKER TRAIL MKR 3_1_2
HT_MKR_3_1_1	MHD	8,966	-1,839	8,638				0	1.8	1/12/2007	HONAKER TRAIL MKR 3_1_1
HT_MKR_3_0_3	MHD	9,014	-1,887	8,686				0	1.5	1/12/2007	HONAKER TRAIL MKR 3_0_3
LHTR_4_SAND	TJM	9,023	-1,896	8,695				0	1.4	10/21/2007	top of lower honaker trail sand #4
LHTS-4	GMC	9,024.80	-1,898.20	8,697.20				0	1.4	8/30/2011	Lower HT Sand 4
ISMAY_TWT	BLM	5,611	1,510	5,289				0	2.7	1/26/2007	Ismay two way time
HT_MKR_3_0_2	MHD	9,030	-1,903	8,702				0	1.4	1/12/2007	HONAKER TRAIL MKR 3_0_2
HT_MKR_3_0_1	MHD	9,060	-1,933	8,732				0	1.3	1/12/2007	HONAKER TRAIL 3_0_1
HT_MKR_3	MHD	9,101	-1,974	8,773				0	1.3	8/20/2007	HT_MKR_3
HNKTRL_MARKER_3	TJM	9,101	-1,975	8,774				0	1.3	9/19/2007	Marker 3 of Honaker Trail Fm.
HATCH *	CMA	9,105	-1,979	8,778				0	1.3	9/20/2006	Hatch
LA_SAL_SHALE	MHD	9,149	-2,022	8,821	x			0	1.5	8/22/2011	LA_SAL_SHALE

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U_ISMAY	GMC	9,231.40	-2,104.70	8,903.70				0	1.7	8/22/2011	High Stand marker
HATCH	MHD	9,286	-2,160	8,959				0	1.6	10/25/2007	Regional Hatch
SALT_10	CMA	9,383	-2,257	9,056				0	0.8	9/20/2006	Salt Clastic 10
HT_MKR_2	MHD	9,385	-2,258	9,057				0	0.8	1/12/2007	HT_MKR_2
HATCH_SHALE	CMA	9,461	-2,334	9,133				0	0.8	10/10/2006	Hatch Shale
TEMP_6	CMA	9,467	-2,340	9,139				0	0.7	9/5/2006	Temporary
HOVENWEEP	MHD	9,467	-2,340	9,139	x			0	0.7	8/22/2011	Hovenweep
409HVWP	3	9,672	-2,545	9,344				0	0.6	8/3/2015	
LA_SAL_SHALE	TJM	9,469	-2,343	9,142				0	0.7	9/17/2007	top of la sal shale member of
HOVENWEEP *	GMC	9,469.10	-2,342.40	9,141.40				0	0.7	8/22/2011	Hovenweep
LA_SAL_SHALE	SFW	9,472	-2,345	9,144				0	0.7	6/1/2005	LA_SAL_SHALE
HOVENWEEP_R	GMC	9,517.80	-2,391.10	9,190.10				0	0.6	8/22/2011	Top Hovenweep reservior marker
HKTR_2 *	CMA	9,519	-2,392	9,191				0	0.6	9/7/2006	Honaker Trail Marker 2
ISMAY *	CMA	9,519	-2,392	9,191	x			0	0.6	8/22/2011	Ismay
LA_SAL_MRKR_1	TJM	9,523	-2,396	9,195				0	0.6	9/17/2007	~ 50' below La Sal Shale
HT_MKR_1	MHD	9,540	-2,414	9,213				0	0.7	6/1/2005	HT_MKR_1
HOVENWEEP	CMA	9,586	-2,459	9,258	x			0	0.8	8/22/2011	Hovenweep Shale
L_ISMAY	GMC	9,631.60	-2,504.90	9,303.90				0	0.6	9/7/2011	Lower Ismay Top
HOVENWEEP	TJM	9,675	-2,548	9,347				0	0.6	8/1/2007	top of the Hovenweep Shale
LOW_ISMAY	CMA	9,677	-2,550	9,349				0	0.6	10/10/2006	Lower Ismay
LA_SAL	SFW	9,677	-2,551	9,350				0	0.6	6/1/2005	LA_SAL
LOW_ISMAY	MHD	9,680	-2,553	9,352				0	0.6	10/25/2007	Lower Ismay above the Hovenweep
GOTHIC	MHD	9,702	-2,576	9,375				0	0.7	6/27/2008	regional Gothic
GOTHIC *	CMA	9,704	-2,577	9,376				0	0.7	9/20/2006	Gothic Shale
TEMP_5	CMA	9,705	-2,578	9,377				0	0.8	9/5/2006	TEMP_5
HOVENWEEP_SHALE	MHD	9,707	-2,581	9,380				0	0.8	1/17/2007	HOVENWEEP_SHALE
GOTHIC_SHALE *	GMC	9,707.70	-2,581.00	9,380.00				0	0.8	8/22/2011	Gothic pick fro Reginal cross section
HOVENWEEP_SHALE	SFW	9,708	-2,581	9,380				0	0.8	6/1/2005	HOVENWEEP_SHALE
U_DESERT_CREEK	GMC	9,815.30	-2,688.60	9,487.60				0	1.2	8/22/2011	U Desert Creek
ISMAY	MHD	9,875	-2,748	9,547				0	1.2	4/30/2008	ISMAY
U_DESERT_CREEK_EVAP_TOP	GMC	9,876.30	-2,749.50	9,548.50				0	1.2	8/22/2011	Anhydrite below U Deseert Creek
DESERT_CREEK *	CMA	9,878	-2,751	9,550				0	1.2	7/17/2008	Desert Creek
DRCK	MHD	9,878	-2,751	9,550				0	1.2	6/27/2008	DRCK
ISMAY	TJM	9,878	-2,751	9,550				0	1.2	8/1/2007	top of the Ismay-desert creek interval
HKTR_4	CMA	9,880	-2,753	9,552				0	1.2	2/16/2006	Honaker Trail Marker 4
ISMAY	SFW	9,880	-2,754	9,553				0	1.2	6/1/2005	ISMAY
L_DESERT_CREEK	GMC	9,907.10	-2,780.40	9,579.40				0	1.2	8/23/2011	Lower Desert Creek

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L_DESERT_CREEK_EVAP_TOP	GMC	9,967.20	-2,840.40	9,639.40				0	1.2	8/23/2011	Lower Desert Creek Evaporite Top
LOW_DESERT_CREEK	MHD	9,969	-2,842	9,641				0	1.2	8/20/2007	lower desert creek
CHIMNEY_ROCK	GMC	9,987.20	-2,860.40	9,659.40				0	1.2	8/22/2011	Chimney Rock from Regional section
AKAH	GMC	10,011.10	-2,884.30	9,683.30				0	1.2	8/24/2011	Akah from Regional Section
GOTHIC_SHALE	MHD	10,154	-3,027	9,826				0	1.2	1/17/2007	GOTHIC_SHALE
GOTHIC_SHALE	SFW	10,179	-3,052	9,851				0	1.2	6/1/2005	GOTHIC_SHALE
AKAH_EVAP_TOP_2	GMC	10,334.20	-3,207.30	10,006.30				0	1.2	8/23/2011	Second Evaporite top
UP_DESERT_CREEK	CMA	10,335	-3,208	10,007				0	1.2	7/12/2006	Up Desert Creek
DRCK	SFW	10,338	-3,211	10,010				0	1.2	6/1/2005	DRCK
PARADOX_SALT	MHD	10,472	-3,345	10,144				0	1.2	8/20/2007	PARADOX_SALT
PARADOX_SALT *	GMC	10,473.20	-3,346.30	10,145.30				0	1.2	8/31/2011	Paradox Salt Top
PARADOX_SALT *	CMA	10,474	-3,347	10,146				0	1.2	9/20/2006	PARADOX_SALT
PARADOX_SALT	SFW	10,477	-3,350	10,149				0	1.2	6/1/2005	PARADOX_SALT