

PROPOSED HORIZONTAL WELL(S)					
Well Name and Number		Surface Location	Well Name and Number		Surface Location
MORGAN HILLS 1A-7H-A168		NENE-7-1N-68W	MORGAN HILLS 1D-7H-A168		NENE-7-1N-68W
MORGAN HILLS 1B-7H-A168		NENE-7-1N-68W	MORGAN HILLS 1E-7H-A168		NENE-7-1N-68W
MORGAN HILLS 1C-7H-A168		NENE-7-1N-68W	MORGAN HILLS 1F-7H-A168		NENE-7-1N-68W

Operator's Wellbore Integrity Contact: Tyler Barela tyler.barela@crestonepr.com

OFFSET WELL EVALUATIONS												
Offset Well API #	Offset Well Name	Nearest Proposed Horizontal Well Name	Shortest Horizontal Distance from Offset Well to any Proposed HZ Well	Offset Well Operator	Offset Well Spud Date	Offset Well Status	Offset Well Surface Casing Setting Depth	Base of Fox Hills or Depth of Deepest Water Well	Historical Remedial Work to Provide Fox Hills Coverage	Offset Well Objective Formation Top	Offset Well Top of Production Casing Cement	Comments (Op
05-123-23559	BEARDEN 24-6	MORGAN HILLS 1A-7H-A168	1151	CRESTONE PEAK RESOURCES	4/21/2007	PR	763	495		7428	7162	TOC from CBL 05/23/2007 DOC# 700019718. DV Tool a at 495' TD.
05-123-23758	BILLINGS 21-7	MORGAN HILLS 1A-7H-A168	595	K P KAUFFMAN COMPANY	8/5/2006	PR	716	495		N/A		Niobrara not penetrated. TD 5192' M
05-123-26887	BULTHAUP 15-6	MORGAN HILLS 1A-7H-A168	752	KMG	11/2/2008	PR	679	495		7421	3190	TOC from CBL 11/18/2008 DOC# 128;
05-123-26885	BULTHAUP 16-6	MORGAN HILLS 1G-7H-A168	733	KMG	9/5/2008	PR	676	495		7410	6920	TOC from CBL 10/10/2008 DOC# 1541159. DV tool at 51 495' TD.
05-123-26886	BULTHAUP 23-6	MORGAN HILLS 1A-7H-A168	1388	KMG	11/7/2008	PR	680	495		7484	3180	TOC from CBL 11/20/2008 DOC# 128;
05-123-26884	BULTHAUP 39-6	MORGAN HILLS 1I-7H-A168	1369	KMG	9/11/2008	PR	683	495		7495	3650	TOC from CBL 10/07/2008 DOC# 154'
05-123-07551	CHAMPLIN-86-AMOCO 1	MORGAN HILLS 1I-7H-A168	376	AMOCO PRODUCTION COMPANY	9/18/1972	DA	200	495		N/A		Niobrara not penetrated. From DOC# 32877: P&A'd 01/28 casing 8' below ground and set 10 sack
05-123-19064	COAL CREEK 19-1	MORGAN HILLS 1F-7H-A168	961	CRESTONE PEAK RESOURCES	2/12/1996	PA	785	495		7476	6930	TOC from CBL 02/20/1996 DOC# 33128. P&A'd 08/2008. sxs cement; perfed and squeezed at 4400' with 50 sxs cer cement; pumped 20 sxs cement half in/half out of surface
05-123-23288	COAL CREEK 31-19	MORGAN HILLS 1C-7H-A168	1075	CRESTONE PEAK RESOURCES	11/24/2006	PR	887	495		7506	6362	TOC from CBL 12/14/2006 DOC# 7000'
05-123-28138	COAL CREEK 6-0-19	MORGAN HILLS 1D-7H-A168	475	CRESTONE PEAK RESOURCES	7/12/2009	PR	889	495		7561	6056	Sidetracked wellbore. TOC from paper CBL (
05-123-28138	COAL CREEK 6-0-19	MORGAN HILLS 1D-7H-A168	785	CRESTONE PEAK RESOURCES	7/12/2009	PR	889	495		N/A		Original Coal Creek 6-0-19 wellbore before sidetrack. Ni well drilled to 5203'; plugged back with 180 sxs cement
05-123-29921	COMMONS 28-19	MORGAN HILLS 1A-7H-A168	514	KMG	10/22/2009	PR	917	495	738	7695	1544	Production casing TOC from CBL 12/08/2009 DOC# 1 400839432; annular fill pumped 85 sxs cement at 1194'. 400835667. Water well
05-123-29919	COMMONS 3-19	MORGAN HILLS 1A-7H-A168	1288	KMG	11/3/2009	PR	832	495		7547	6986	TOC from CBL 12/15/2009 DOC# 1543798. DV tool a submitted bradenhead remediation procedure DOC# 4C performed bradenhead remediation
05-123-24306	DEBBIE 41-7	MORGAN HILLS 1G-7H-A168	47	K P KAUFFMAN COMPANY		AL						Abandoned Loc
05-123-14447	EAST ERIE 2-17 #1	MORGAN HILLS 1I-7H-A168	1436	KMG	10/25/1989	PR	485	495	624	7477	7154	TOC from CBL 09/01/2010 DOC# 2547708. This same C Sundry notice DOC# 32854 shows perfed and squeeze wi 08/23/2010 DOC# 2547709 shows Fox Hills remediation cement signatures above 624'. CBL 09/08/2010 DOC# ; 4200'. Water well at
05-123-19083	ERIE CHAMPLIN 18-9	MORGAN HILLS 1G-7H-A168	149	VESELS OIL & GAS COMPANY	3/23/1996	DA	889	495		7448	N/A	No production casing ran. Plugged as follows: pumped 4C (calculated top); pumped 40 sx cement plug in open hole sx cement plug from 788'-962' (calculated top); pumped below surface. Plugging completed 04/03/1996. Will re-er Policy Option 3. Water w
05-123-32422	ERIE CHAMPLIN 31-18	MORGAN HILLS 1F-7H-A168	24	ECA		AL						Abandoned Loc
05-123-32420	ERIE CHAMPLIN 32-18	MORGAN HILLS 1F-7H-A168	24	ECA		AL						Abandoned Loc
05-123-29393	ERIE CHAMPLIN 33-18	MORGAN HILLS 1F-7H-A168	114	ECA		AL						Abandoned Loc
05-123-29392	ERIE CHAMPLIN 34-18	MORGAN HILLS 1F-7H-A168	114	ECA		AL						Abandoned Loc
05-123-32421	ERIE CHAMPLIN 41-18	MORGAN HILLS 1F-7H-A168	24	ECA		AL						Abandoned Loc
05-123-29395	ERIE CHAMPLIN 42-18	MORGAN HILLS 1F-7H-A168	25	ECA		AL						Abandoned Loc
05-123-32423	ERIE CHAMPLIN 4-2-18	MORGAN HILLS 1F-7H-A168	24	ECA		AL						Abandoned Loc
05-123-30702	ERIE CHAMPLIN 6-0-18	MORGAN HILLS 1F-7H-A168	24	ECA		AL						Abandoned Loc
05-123-32419	ERIE CHAMPLIN 8-2-18	MORGAN HILLS 1F-7H-A168	24	ECA		AL						Abandoned Loc
05-123-29394	ERIE CHAMPLIN 9-4-18	MORGAN HILLS 1F-7H-A168	113	ECA		AL						Abandoned Loc
05-123-12377	ERIE CHAMPLIN B UNIT 1	MORGAN HILLS 1F-7H-A168	119	CRESTONE PEAK RESOURCES	3/31/1985	PR	706	495		7434	6898	TOC from paper CBL 04/16/1985.
05-123-12371	ERIE CHAMPLIN B UNIT 2	MORGAN HILLS 1E-7H-A168	148	CRESTONE PEAK RESOURCES	3/22/1985	PR	717	495		7426	6695	TOC from CBL 01/06/1985 DOC# 2569074. From paper r and 5791' with 300 sxs cement. Squeeze cement interval: 32907. Water well a
05-123-38054	FILE 3A-32H-K268	MORGAN HILLS 1I-7H-A168	509	CRESTONE PEAK RESOURCES		XX						Not Drilled
05-123-38049	FILE 3B-32H-K268	MORGAN HILLS 1I-7H-A168	709	CRESTONE PEAK RESOURCES		XX						Not Drilled
05-123-38053	FILE 3C-32H-K268	MORGAN HILLS 1I-7H-A168	995	CRESTONE PEAK RESOURCES		XX						Not Drilled
05-123-38052	FILE 3D-32H-K268	MORGAN HILLS 1I-7H-A168	1312	CRESTONE PEAK RESOURCES		XX						Not Drilled
05-123-12456	KENNETH E KOCH A 1	MORGAN HILLS 1C-7H-A168	1069	KMG	6/1/1985	PR	690	495		7414		No CBL on file. Will request CBL from operator. If needs per DJ Basin Horizontal Offset Policy Option 1 or 2. Oper COAs to provide CBL showing Sussex/Shannon coverage 2586776. Water well :
05-123-27334	MARA 31-7	MORGAN HILLS 1B-7H-A168	116	K P KAUFFMAN COMPANY		AL						Abandoned Loc
05-123-43298	MORGAN HILLS 1A-7H-A168	MORGAN HILLS 1B-7H-A168	336	CRESTONE PEAK RESOURCES		XX						Not Drilled
05-123-43301	MORGAN HILLS 1B-7H-A168	MORGAN HILLS 1C-7H-A168	155	CRESTONE PEAK RESOURCES		XX						Not Drilled
05-123-43300	MORGAN HILLS 1C-7H-A168	MORGAN HILLS 1B-7H-A168	155	CRESTONE PEAK RESOURCES		XX						Not Drilled
05-123-43299	MORGAN HILLS 1D-7H-A168	MORGAN HILLS 1E-7H-A168	52	CRESTONE PEAK RESOURCES		XX						Not Drilled
05-123-43298	MORGAN HILLS 1E-7H-A168	MORGAN HILLS 1D-7H-A168	52	CRESTONE PEAK RESOURCES		XX						Not Drilled
05-123-43303	MORGAN HILLS 1F-7H-A168	MORGAN HILLS 1E-7H-A168	155	CRESTONE PEAK RESOURCES		XX						Not Drilled
05-123-43302	MORGAN HILLS 1G-7H-A168	MORGAN HILLS 1H-7H-A168	247	CRESTONE PEAK RESOURCES		XX						Not Drilled
05-123-43297	MORGAN HILLS 1H-7H-A168	MORGAN HILLS 1I-7H-A168	148	CRESTONE PEAK RESOURCES		XX						Not Drilled

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05-123-43295	MORGAN HILLS 11-7H-A168	MORGAN HILLS 11-7H-A168	148	CRESTONE PEAK RESOURCES	XX	XX						Not Drilled
05-123-27383	PAQUETTE 13-5	MORGAN HILLS 11-7H-A168	857	KMG	8/3/2007	PR	866	495		7400	3600	TOC from CBL 09/13/2007 DOC# 1349179. Operator s DOC# 400991128. No record operator P&
05-123-26236	SOSA 21-18	MORGAN HILLS 1A-7H-A168	513	CRESTONE PEAK RESOURCES	9/21/2007	PR	772	495		7597	6950	TOC from CBL 11/09/2007 DOC# 1354192. DV tool at 5:495' TD.
05-123-26238	SOSA 22-18	MORGAN HILLS 1A-7H-A168	588	CRESTONE PEAK RESOURCES	10/06/2007	PR	773	495		7505	6926	TOC from CBL 11/09/2007 DOC# 700030990. DV tool at 495' TD.
05-123-26921	TALLGRASS 12-17	MORGAN HILLS 11-7H-A168	822	KMG	4/15/2009	PR	975	495		7601	3536	TOC from CBL 07/15/2009 DOC# 130:
05-123-26920	TALLGRASS 13-17	MORGAN HILLS 11-7H-A168	810	KMG	4/26/2009	PR	969	495		7520	1990	TOC from CBL 05/22/2009 DOC# 154:
05-123-26923	TALLGRASS 22-17	MORGAN HILLS 11-7H-A168	1425	KMG	4/6/2009	PR	974	495	650	7667	3610	Production casing TOC from CBL 07/14/2009 DOC# 1 TOC from CBL 05/22/2009 DOC# 1288435. Spotty ceme
05-123-26925	TALLGRASS 33-17	MORGAN HILLS 11-7H-A168	173	KMG	4/21/2009	PR	929	495	732	7646	4374	TOC from CBL 04/16/2009 DOC# 1288294. Operator sul 01/12/2015 DOC# 400768935. No record operator perform TD.
05-123-25868	TALLGRASS 4-8	MORGAN HILLS 11-7H-A168	682	KMG	1/25/2009	PR	1507	495		8028	3600	
05-123-25870	TALLGRASS 5-8	MORGAN HILLS 11-7H-A168	695	KMG	1/19/2009	PR	923	495		7871	4034	TOC from CBL 05/27/2009 DOC# 162:
05-123-25395	THOMAS 2-4-7	MORGAN HILLS 1A-7H-A168	623	CRESTONE PEAK RESOURCES	6/28/2008	PR	951	495		7403	7024	TOC from CBL 07/12/2008 DOC# 700040510. DV tool at 495' TD.
05-123-26412	THOMAS 2-8-7	MORGAN HILLS 1A-7H-A168	1320	CRESTONE PEAK RESOURCES	6/15/2008	PR	808	495		7446	6962	TOC from CBL 07/09/2008 DOC# 700040540. DV tool at 495' TD.
05-123-25964	THOMAS 33-7	MORGAN HILLS 1B-7H-A168	132	CRESTONE PEAK RESOURCES	6/21/2008	PR	816	495		7644	6814	TOC from CBL 07/10/2008 DOC# 700040584. DV tool at 495' TD.
05-123-19219	THOMAS 7-14	MORGAN HILLS 1A-7H-A168	495	NORTH AMERICAN RESOURCES		AL						Abandoned Loc
05-123-10710	THOMAS E UNIT 1	MORGAN HILLS 1A-7H-A168	1165	CRESTONE PEAK RESOURCES	6/5/1982	PR	733	495		7401	7400	TOC from CBL 10/14/1992 DOC# 51111. Will remediate Horizontal Offset Policy Option 1 or
05-123-12370	THOMAS E UNIT 2	MORGAN HILLS 1D-7H-A168	173	VESSELS OIL & GAS COMPANY	4/10/1985	PA	719	495		7473	6740	TOC from CBL 05/21/1985 DOC# 51026. Per DOC# 5104 sxs cement; perfed and squeezed with 40 sxs cement at 4 at 780'; and pumped 10 sxs cement from 20' to surface. plugging meets COCC requirements. As per discussion that additional mitigation is unnecessary, satisfying C
05-123-10742	THOMAS-K UNIT 1	MORGAN HILLS 1A-7H-A168	1155	VESSELS OIL & GAS COMPANY		AL						Abandoned Loc
05-123-19082	UPRC 13-17	MORGAN HILLS 11-7H-A168	370	BASIN EXPLORATION INC		AL						Abandoned Loc
05-123-38121	WASTE CONNECTIONS 3D-23H-11A02	MORGAN HILLS 11-7H-A168	1125	CRESTONE PEAK RESOURCES	XX	XX						Not Drilled
05-123-08055	WOOLLEY 1	MORGAN HILLS 1G-7H-A168	178	GRIFFIN OIL & GAS	6/4/1974	DA	270	495		N/A		Niobrara not penetrated. TD at 5192'. From DOC# 51005, continuous plug from 500' into base of surface casing; an 495' TD.
05-123-09683	WOOLLEY 2	MORGAN HILLS 11-7H-A168	794	PETERSON ENERGY MANAGEMENT	2/26/1979	PR	814	495		N/A		Niobrara not penetrated. TD 5286'
05-123-33660	WOOLLEY 0-4-8	MORGAN HILLS 11-7H-A168	784	ECA		AL						Abandoned Loc
05-123-33655	WOOLLEY 0-6-8	MORGAN HILLS 11-7H-A168	794	ECA		AL						Abandoned Loc
05-123-23214	WOOLLEY 14-8	MORGAN HILLS 11-7H-A168	790	CRESTONE PEAK RESOURCES	3/19/2007	PR	921	495		7472	6008	TOC from CBL 03/31/2007 DOC# 1420944. DV tool at 5:495' TD.
05-123-22015	WOOLLEY 21-7	MORGAN HILLS 1A-7H-A168	836	CRESTONE PEAK RESOURCES	4/03/2004	PR	922	495		7490	7040	TOC from CBL 04/17/2004 DOC# 1488375. DV tool at 5:495' TD.
05-123-32982	WOOLLEY 22-7	MORGAN HILLS 1A-7H-A168	626	CRESTONE PEAK RESOURCES	3/16/2012	PR	864	495		7668	3816	TOC from CBL 03/28/2012 DOC# 4002:
05-123-32984	WOOLLEY 2-4-7	MORGAN HILLS 1A-7H-A168	1141	CRESTONE PEAK RESOURCES	3/21/2012	PR	839	495		7822	3730	TOC from CBL 03/28/2012 4002932
05-123-33653	WOOLLEY 2-4-8	MORGAN HILLS 11-7H-A168	807	ECA		AL						Abandoned Loc
05-123-33657	WOOLLEY 2-8-8	MORGAN HILLS 11-7H-A168	813	ECA		AL						Abandoned Loc
05-123-32947	WOOLLEY 31-7	MORGAN HILLS 1B-7H-A168	90	ECA		AL						Abandoned Loc
05-123-32986	WOOLLEY 4-0-7	MORGAN HILLS 1A-7H-A168	370	CRESTONE PEAK RESOURCES	3/3/2012	PR	837	495		7503	3602	TOC from CBL 03/28/2012 DOC# 4002:
05-123-23183	WOOLLEY 41-7	MORGAN HILLS 1A-7H-A168	231	CRESTONE PEAK RESOURCES	6/7/2006	PA	814	495		7412	6818	TOC from CBL 06/15/2006 DOC# 1381130. DV tool at 09/2015. CIBP set at 8150' with 4 sxs cement. CIBP set; plug with 100 sxs cement at 5545'. CIBP set at 845' with s circulated to surface. Water
05-123-23185	WOOLLEY 42-7	MORGAN HILLS 1F-7H-A168	116	CRESTONE PEAK RESOURCES	5/29/2006	PR	859	495		7430	6880	TOC from CBL 06/08/2006 DOC# 1381129. DV tool at 5:495' TD.
05-123-23791	WOOLLEY 42-7	MORGAN HILLS 1G-7H-A168	238	K P KAUFFMAN COMPANY	8/15/2006	PR	678	495		N/A		Niobrara not penetrated. TD 5193' M
05-123-32950	WOOLLEY 4-2-7	MORGAN HILLS 1A-7H-A168	126	ECA		AL						Abandoned Loc
05-123-32954	WOOLLEY 6-0-7	MORGAN HILLS 1C-7H-A168	41	ECA		AL						Abandoned Loc
05-123-32951	WOOLLEY 6-4-7	MORGAN HILLS 1E-7H-A168	9	ECA		AL						Abandoned Loc
05-123-32952	WOOLLEY 8-2-7	MORGAN HILLS 11-7H-A168	2	ECA		AL						Abandoned Loc
05-123-09093	WOOLLEY A 1-7	MORGAN HILLS 1C-7H-A168	96	CRESTONE PEAK RESOURCES	1/28/1977	PR	201	495	540	7451	7290	TOC from CBL 03/16/1993 DOC# 51067. DV tool at 5269' with stage cement top at 540'. V
05-123-09528	WOOLLEY B 1-8	MORGAN HILLS 11-7H-A168	1125	CRESTONE PEAK RESOURCES	6/23/1978	PR	800	495		7505	7670	TOC from paper CBL 08/11/1978. Paper records show per CBL 01/22/1993 DOC# 51146 was run prior to squeeze. V per DJ Basin Horizontal Offset Policy Optic
05-123-38112	WOOLLEY BECKY 2E-7H-E168	MORGAN HILLS 1A-7H-A168	1140	CRESTONE PEAK RESOURCES	11/2/2016	DG						Drilling
05-123-38105	WOOLLEY BECKY 2F-7H-E168	MORGAN HILLS 1A-7H-A168	854	CRESTONE PEAK RESOURCES	XX	XX						Not Drilled
05-123-39242	WOOLLEY BECKY 2G-7H-E168	MORGAN HILLS 1A-7H-A168	350	CRESTONE PEAK RESOURCES	XX	XX						Not Drilled
05-123-38114	WOOLLEY BECKY 2H-7H-E168	MORGAN HILLS 1A-7H-A168	163	CRESTONE PEAK RESOURCES	XX	XX						Not Drilled
05-123-07688	WOOLLEY F UNIT 1	MORGAN HILLS 1A-7H-A168	1288	CRESTONE PEAK RESOURCES	1/6/1994	PR	815	495		7493	6040	TOC from CBL 01/28/1995 DOC# 51048. Stage cement t well at 495' T
05-123-38106	WOOLLEY-SOSA 2D-7H-E168	MORGAN HILLS 1A-7H-A168	1460	CRESTONE PEAK RESOURCES	10/23/2016	DG						Drilling
05-123-38110	WOOLLEY-SOSA 2E-7H-E168	MORGAN HILLS 1A-7H-A168	1114	CRESTONE PEAK RESOURCES	10/25/2016	DG						Drilling
05-123-38113	WOOLLEY-SOSA 2F-7H-E168	MORGAN HILLS 1A-7H-A168	768	CRESTONE PEAK RESOURCES	10/28/2016	DG						Drilling
05-123-39246	WOOLLEY-SOSA 2G-7H-E168	MORGAN HILLS 1A-7H-A168	409	CRESTONE PEAK RESOURCES	10/27/2016	DG						Drilling

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submitted plugging procedure on 02/17/2016
A'd well. Water well at 495' TD.
446'. Stage cement top at 4750'. Water well at

5426'. Stage cement top at 4658'. Water well at

3568. Water well at 495' TD.
1149. Water well at 495' TD.
1303561. From cement job summary DOC#
nt signatures on amplitude and VDL shallower
mitted bradenhead remediation procedure on
red bradenhead remediation. Water well at 495'

3587. Water well at 495' TD.
5317'. Stage cement top at 4694'. Water well at

5376'. Stage cement top at 4011'. Water well at
: 5505'. Stage Cement top at 4062'. Water well

ation
to get at least 200' over Niobrara per DJ Basin
2. Water well at 495' TD.

15, plugged as follows: CIBP set at 7440' with 2
1600'; perfed and squeezed with 50 sxs cement
Water well at 495' TD. Review determined that
with COGCC (09/22/2016), agreement reached
J Basin Horizontal Offset Policy Option 4.

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plugged as follows: filled hole with heavy mud;
d placed 10 sack plug at surface. Water well at

. Water well at 495' TD.
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524'. Stage cement top at 4264'. Water well at

375'. Stage cement top at 4000'. Water well at

33536. Water well at 495' TD.
90. Water well at 495' TD.

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33188. Water well at 495' TD.
5352'. Stage cement top at 4106'. Well P&A'd
at 7450' with 4 sxs cement. Pumped balanced
queeze holes at 830'. Pumped 290 sxs cement,
r well at 495' TD.

385'. Stage cement top at 4210'. Water well at

10. Water well at 495' TD.
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with stage cement top at 4250'. DV tool at 822'
Water well at 495' TD.

rfed and squeezed with 75 sxs cement at 7914'.
Will remediate to get at least 200' over Niobrara
n 1 or 2. Water well at 495' TD.

ool at 5480'. Stage cement top at 4135'. Water
D.