

**BAYSWATER EXPLORATION &
730 17th St, STE 610
Denver, CO 80202**

KTC Farms C-35-36HN
Interval 1-53
Weld County, Colorado

Sales Order: 0905824849

Post Job Report

For: Robert Carney
Date: Wednesday, July 31, 2019

Contract: 332427

Notice: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

HALLIBURTON

Interval #	Displacement to TopPerf (gal)	Displacement to TopPerf (bbl)	Top Perf Measured Depth (ft)	Bottom Perf Measured Depth (ft)	Displacement to Bottom Perf (bbl)	Displacement to Bottom Perf (bbl)	Total Vertical Depth (ft)	Isolation Type	Isolation Tool Provider	Isolation Tool Name	Number of Clusters	Total Perforations (#)	EHD (Inch)	Shots Per Foot (#)	Perforation Phasing (°)	Cluster Spacing (ft)	Interval Technology	Plug Depth MD	Interval Latitude (°)	Interval Longitude (°)
1	15,710	374	16,867	17,278	16,093	383	7240.3	Sleeve	Tartan	MultiFrac									40.537841	-104.718613
2	15,710	374	16,867	17,278	16,093	383	7240.3	Sleeve	Tartan	MultiFrac									40.537841	-104.718613
3	15,530	370	16,674	16,828	15,674	373	7244.6	Plug	Innovex	Swage	9	40	0.33	5.00	360.00	1.00	ACM	16,841	40.537804	-104.719629
4	15,363	366	16,494	16,648	15,506	369	7247.4	Plug	Innovex	Swage	9	40	0.33	5.00	360.00	1.00	ACM	16,661	40.537744	-104.720297
5	15,195	362	16,314	16,468	15,338	365	7247.4	Plug	Innovex	Swage	9	40	0.33	5.00	360.00	1.00	ACM	16,481	40.537696	-104.720975
6	15,027	358	16,134	16,288	15,171	361	7247.8	Plug	Innovex	Swage	9	40	0.33	5.00	360.00	1.00	ACM	16,301	40.537666	-104.721651
7	14,860	354	15,954	16,108	15,003	357	7247.7	Plug	Innovex	Swage	9	40	0.33	5.00	360.00	1.00	ACM	16,121	40.537623	-104.722329
8	14,692	350	15,774	15,928	14,835	353	7248.1	Plug	Innovex	Swage	9	40	0.33	5.00	360.00	1.00	ACM	15,941	40.537585	-104.723005
9	14,524	346	15,594	15,748	14,668	349	7248.2	Plug	Innovex	Swage	9	40	0.33	5.00	360.00	1.00	ACM	15,761	40.537541	-104.723679
10	14,357	342	15,414	15,568	14,500	345	7248.4	Plug	Innovex	Swage	9	40	0.33	5.00	360.00	1.00	ACM	15,581	40.537510	-104.724355
11	14,189	338	15,234	15,388	14,332	341	7248.2	Plug	Innovex	Swage	9	40	0.33	5.00	360.00	1.00	ACM	15,401	40.537463	-104.725029
12	14,021	334	15,054	15,208	14,165	337	7248.2	Plug	Innovex	Swage	9	40	0.33	5.00	360.00	1.00	ACM	15,221	40.537445	-104.725699
13	13,854	330	14,874	15,028	13,997	333	7248.4	Plug	Innovex	Swage	9	40	0.33	5.00	360.00	1.00	ACM	15,041	40.537443	-104.726046
14	13,686	326	14,694	14,848	13,829	329	7248.9	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	14,861	40.537446	-104.726726
15	13,518	322	14,514	14,668	13,662	325	7248.9	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	14,681	40.537454	-104.727400
16	13,351	318	14,334	14,488	13,494	321	7249.3	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	14,501	40.537507	-104.728073
17	13,183	314	14,154	14,308	13,326	317	7249.6	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	14,321	40.537565	-104.728746
18	13,015	310	13,974	14,128	13,159	313	7250.2	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	14,141	40.537593	-104.729422
19	12,848	306	13,794	13,948	12,991	309	7250.6	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	13,961	40.537588	-104.730099
20	12,680	302	13,614	13,768	12,824	305	7251.7	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	13,781	40.537580	-104.730776
21	12,512	298	13,434	13,588	12,656	301	7252.7	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	13,601	40.537624	-104.731450
22	12,345	294	13,254	13,408	12,488	297	7252.8	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	13,421	40.537653	-104.732130
23	12,177	290	13,074	13,228	12,321	293	7252.9	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	13,241	40.537659	-104.732467
24	12,009	286	12,894	13,048	12,153	289	7253.2	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	13,061	40.537677	-104.733143
25	11,842	282	12,714	12,868	11,985	285	7253.2	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	12,881	40.537653	-104.733820
26	11,674	278	12,534	12,688	11,818	281	7253.2	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	12,701	40.537616	-104.734499
27	11,507	274	12,354	12,508	11,650	277	7253.1	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	12,521	40.537573	-104.735177
28	11,339	270	12,174	12,328	11,482	273	7253.6	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	12,341	40.537548	-104.735853
29	11,171	266	11,994	12,148	11,315	269	7254.3	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	12,161	40.537544	-104.736534
30	11,004	262	11,814	11,968	11,147	265	7255.8	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	11,981	40.537572	-104.737210
31	10,836	258	11,634	11,788	10,979	261	7256.6	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	11,801	40.537583	-104.737887
32	10,668	254	11,454	11,608	10,812	257	7257.5	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	11,621	40.537562	-104.738567
33	10,501	250	11,274	11,428	10,644	253	7257.7	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	11,441	40.537539	-104.739206
34	10,333	246	11,094	11,248	10,476	249	7258.0	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	11,261	40.537505	-104.739581
35	10,165	242	10,914	11,068	10,309	245	7257.9	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	11,081	40.537479	-104.740261
36	9,998	238	10,734	10,888	10,141	241	7257.6	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	10,901	40.537440	-104.740932
37	9,830	234	10,554	10,708	9,973	237	7257.1	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	10,721	40.537412	-104.741605
38	9,662	230	10,374	10,528	9,806	233	7257.2	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	10,541	40.537419	-104.742282
39	9,495	226	10,194	10,348	9,638	229	7257.4	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	10,361	40.537438	-104.742962
40	9,327	222	10,014	10,168	9,470	225	7259.4	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	10,181	40.537503	-104.743634
41	9,159	218	9,834	9,988	9,303	221	7260.7	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	10,001	40.537536	-104.744309
42	8,992	214	9,654	9,808	9,135	218	7261.7	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	9,821	40.537555	-104.744985
43	8,824	210	9,474	9,628	8,968	214	7261.7	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	9,641	40.537536	-104.745325
44	8,656	206	9,294	9,448	8,800	210	7262.6	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	9,461	40.537525	-104.746002
45	8,489	202	9,114	9,268	8,632	206	7263.8	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	9,281	40.537506	-104.746678
46	8,321	198	8,934	9,088	8,465	202	7265.9	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	9,101	40.537470	-104.747354
47	8,153	194	8,754	8,908	8,297	198	7267.6	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	8,921	40.537450	-104.748030
48	7,986	190	8,574	8,728	8,129	194	7269.4	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	8,741	40.537451	-104.748704
49	7,818	186	8,394	8,548	7,962	190	7271.2	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	8,561	40.537445	-104.749381
50	7,651	182	8,214	8,368	7,794	186	7272.9	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	8,381	40.537463	-104.750061
51	7,483	178	8,034	8,188	7,626	182	7274.9	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	8,201	40.537479	-104.750738
52	7,315	174	7,854	8,008	7,459	178	7276.3	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	8,021	40.537477	-104.751415
53	7,148	170	7,674	7,828	7,291	174	7277.4	Plug	Innovex	Tomcat	9	40	0.33	5.00	360.00	1.00	ACM	7,841	40.537441	-104.752090

Treatment	Fluids									
	FR Water		Treated Water		PD Treated Water		15% HCl		Total Fluid	
	gal	bbl	gal	bbl	gal	bbl	gal	bbl	gal	bbl
1	412,903	9,831	4,296	102	0	0	1,000	24	418,199	9,957
2	403,190	9,600	4,211	100	0	0	1,000	24	408,401	9,724
3	443,892	10,569	22,061	525	23,520	560	250	6	489,723	11,660
4	210,306	5,007	5,690	135	37,338	889	250	6	253,584	6,038
5	393,875	9,378	4,321	103	16,464	392	250	6	414,909	9,879
6	217,817	5,186	3,575	85	13,944	332	0	0	235,336	5,603
7	398,648	9,492	3,900	93	14,700	350	0	0	417,248	9,934
8	207,593	4,943	3,053	73	13,986	333	0	0	224,632	5,348
9	397,894	9,474	3,048	73	13,944	332	0	0	414,886	9,878
10	207,797	4,948	3,513	84	13,314	317	0	0	224,623	5,348
11	395,313	9,412	3,045	73	13,566	323	0	0	411,924	9,808
12	206,771	4,923	3,007	72	13,608	324	0	0	223,385	5,319
13	398,953	9,499	4,056	97	14,028	334	0	0	417,036	9,929
14	193,130	4,598	3,133	75	15,162	361	0	0	211,425	5,034
15	388,945	9,261	3,002	71	13,818	329	0	0	405,765	9,661
16	190,676	4,540	3,250	77	13,482	321	0	0	207,408	4,938
17	380,971	9,071	3,420	81	14,490	345	0	0	398,882	9,497
18	192,304	4,579	3,636	87	13,776	328	0	0	209,716	4,993
19	382,327	9,103	3,737	89	14,238	339	0	0	400,302	9,531
20	195,189	4,647	2,126	51	12,138	289	0	0	209,453	4,987
21	380,434	9,058	3,292	78	13,650	325	0	0	397,376	9,461
22	194,173	4,623	3,441	82	18,732	446	0	0	216,346	5,151
23	350,508	8,345	2,265	54	12,348	294	0	0	365,121	8,693
24	204,123	4,860	3,226	77	10,794	257	0	0	218,143	5,194
25	384,488	9,154	3,287	78	11,004	262	0	0	398,779	9,495
26	188,223	4,481	3,365	80	11,256	268	0	0	202,844	4,830
27	390,014	9,286	3,258	78	10,626	253	0	0	403,898	9,617
28	202,450	4,820	256	6	11,172	266	0	0	213,878	5,092
29	382,485	9,107	2,590	62	10,542	251	0	0	395,617	9,419
30	190,129	4,527	3,088	74	9,786	233	0	0	203,002	4,833
31	380,011	9,048	3,559	85	10,290	245	0	0	393,860	9,378
32	192,547	4,584	3,410	81	8,862	211	0	0	204,819	4,877
33	382,048	9,096	2,946	70	9,912	236	0	0	394,906	9,403
34	187,043	4,453	4,081	97	7,938	189	0	0	199,062	4,740
35	378,484	9,012	3,041	72	9,954	237	0	0	391,479	9,321
36	192,076	4,573	3,673	87	6,678	159	0	0	202,427	4,820
37	376,259	8,959	4,040	96	10,248	244	0	0	390,546	9,299
38	190,896	4,545	3,201	76	7,560	180	0	0	201,657	4,801
39	376,604	8,967	3,367	80	7,434	177	0	0	387,405	9,224
40	185,909	4,426	3,328	79	7,770	185	0	0	197,007	4,691
41	379,941	9,046	2,851	68	8,316	198	0	0	391,108	9,312
42	184,336	4,389	3,240	77	4,704	112	0	0	192,280	4,578
43	378,043	9,001	3,495	83	8,526	203	0	0	390,064	9,287
44	191,890	4,569	3,033	72	4,914	117	0	0	199,837	4,758
45	376,455	8,963	2,974	71	3,696	88	0	0	383,124	9,122
46	188,694	4,493	3,084	73	4,998	119	0	0	196,776	4,685
47	376,914	8,974	2,163	52	2,814	67	0	0	381,891	9,093
48	184,704	4,398	3,677	88	5,670	135	0	0	194,051	4,620
49	380,880	9,069	3,144	75	2,982	71	0	0	387,006	9,214
50	190,559	4,537	3,056	73	1,764	42	0	0	195,378	4,652
51	380,836	9,068	3,138	75	2,100	50	0	0	386,074	9,192
52	191,065	4,549	3,133	75	5,544	132	0	0	199,742	4,756
53	377,446	8,987	3,212	76	2,226	53	0	0	382,884	9,116

Fluids									
FR Water		Treated Water		PD Treated Water		15% HCl		Total Fluid	
gal	bbl	gal	bbl	gal	bbl	gal	bbl	gal	bbl
15,709,160	374,028	192,991	4,595	550,326	13,103	2,749	65	16,455,226	391,791

Treatment	Proppants - Tickets		
	100 Mesh	40/70	Total Proppant
	lbs	lbs	lbs
1	52,500	85,640	138,140
2	52,500	86,040	138,540
3	23,000	213,200	236,200
4	23,000	209,700	232,700
5	23,000	214,280	237,280
6	23,000	210,400	233,400
7	23,000	214,400	237,400
8	23,000	210,000	233,000
9	23,000	214,000	237,000
10	23,000	210,620	233,620
11	23,000	213,900	236,900
12	23,000	209,800	232,800
13	23,000	214,420	237,420
14	23,000	209,800	232,800
15	23,000	214,200	237,200
16	23,000	210,000	233,000
17	23,000	214,200	237,200
18	23,000	210,000	233,000
19	23,000	214,200	237,200
20	23,000	210,200	233,200
21	23,000	212,400	235,400
22	23,000	211,420	234,420
23	23,040	214,240	237,280
24	23,200	211,760	234,960
25	23,000	214,340	237,340
26	23,060	210,020	233,080
27	23,000	214,960	237,960
28	23,040	211,120	234,160
29	22,760	213,960	236,720
30	22,900	208,600	231,500
31	23,060	214,220	237,280
32	22,900	208,200	231,100
33	23,100	214,400	237,500
34	23,000	209,640	232,640
35	23,000	214,200	237,200
36	23,000	210,000	233,000
37	23,000	214,200	237,200
38	23,000	210,000	233,000
39	23,000	214,200	237,200
40	23,000	210,000	233,000
41	23,000	214,200	237,200
42	23,000	201,580	224,580
43	23,000	222,680	245,680
44	23,000	210,000	233,000
45	23,000	214,200	237,200
46	23,000	210,000	233,000
47	23,000	214,200	237,200
48	23,000	209,180	232,180
49	23,000	215,000	238,000
50	23,000	210,000	233,000
51	23,000	214,200	237,200
52	23,000	210,120	233,120
53	23,000	214,100	237,100

Proppants		
100 Mesh	40/70	Total Proppant
lbs	lbs	Total
1,278,060	10,990,340	12,268,400