TABLE 2—*Uranium and other trace elements in crude oils*—Continued

[All analyses were made at the U.S. Geological Survey laboratories, Denver, Colo., under the direction of A. T. Myers, C. A. Horr, and D. L. Ferguson

Tracing No.	Field	Laboratory serial No. and collector [1]	Operator	Well	Location	Producing unit [2]	Geologic age of producing unit [2]	°API gravity	Carbon residue of crude oil [3] (percent)	Asphalt in crude oil [4] (percent)	Ash in oil (percent)	U in ash (percent)	U in oil (parts per billion)	Composition of ash by spectrochemical analysis (percent): Va	Ni	Cu	Co	Pb	Zn	Cr	Mo	Mn	La	Composition of ash by spectrochemical analysis (percent): Other elements: xx.	x.	0.x	0.0x	0.00x	0.000x	Tracing No.
Texas																														
135	Barbers Hill	86638–F		No. 1 Fitzgerald Meadows.	Chambers County		Oligocene(?)		0.7,[5 24 25 26] 1.3 [21 25]	3.4, 6.4	0.003	0.0009	0.3	x.	xx.	0.x	0.x	x.	0.x	0.x	0.x	0.00x	0.00x	0.0x		Si, Fe, Ca, Mg, Na, Ba.	Al, Ti, K, As	B, Be, Ga, Sr, Y, Zr	Sn, Yb	Sc	135
136	do	86639–F		E. W. Barber "B" No. 2.	do	do	do				.004	.0008	.3	.x	x.	.0x	.x	.x	.0x	.x	.00x	.x	.0x		Si, Al, Fe, Ca	Mg, K	Ti, B, Ba, Ce, Sn, Sr, Zr	Ga, Y	Be, Sc, Yb	136
137	do	86640–F		E. W. Barber "B" No. 5.	do	do	do				.005	.0008	.4	.x	xx.	.x	.x	.x	x.	.x	.00x	.0x	.00x		Si	Al, Fe, Ca, Mg, Na	Ti, K, B, Ba	Ce, Sn, Sr, Zr	Be, Ga, Y, Sc	Yb	137
138	do	86641–F		E. W. Barber "B" No. 4.	do	do	do				.003	.0006	.2	.x	xx.	.x	.x	.x	.x	.x	.00x	.0x	.0x		Si, Al, Fe, Ca, Mg	Ti, Mg, K, Ba	B, Ca, Ga, Sn, Sr, Zr	Be, Y	Sc, Yb	138
139	do	86643–F	McDaniels Bros.	Wilburn Lease Tank Battery.	do	do	do				.006	.001	.6	.x	x.	.0x	.x	.0x	.0x	.x	.00x	.x			Fe	Si, Ca, Na	Al, Ti, Mg, K, Ba, Sr	B	Be, Ga, Sn, Y, Zr		139
140	do	86644–F			do	do	do				.0006	.0007	.1																	140
140	Dorn	207297–A	Skelly Oil Co	No. 3 Boyd "B".	Nolan County sec. 58, Block 20	(?) (sand)	Cambrian	44.1																						
					Stephens County:																										
					1.5 Mi. E. Breckenridge (approx.)	Strawn	Pennsylvanian				.003	.0002	.1	.x	.0x	xx.	.00x	.x	x.	.0x	.00x	.0x			Si	Al, Fe, Ca, Mg, Na, Ba	Ti, K, Sr	B	Ag, Sn	Ga	141
					3 Mi. E. Breckenridge (approx.)	do	do				.003	.0011	.3	.x	.x	x.	.00x	.x	x.	.0x	.00x	.0x			Ca, Na	Si, Fe	Al, Mg, Sr	Ti, B	Zr, Ba	Ag	142 143
141	Breckenridge	18356–E	J. D. Sandifer Prod. Co.	No. 4 Caldwell							.001	.001	.1	.x	.x	.x	.0x	.00x	.x	.00x	.00x	.00x								
142	do	18357–E	Ben F. Collins Prod. Co.	Linda B # (?)																										
143	Panhandle	69481–D	Kerr-McGee Oil Industries, Inc.	No. 1 Berneta	Hartley County, sec. 29, Block 21, CSS Survey.	Granite wash		43.0																						
					Hutchinson County:																										
144	do	69482–D	do	No. 16 Pitts	Sec. 7, Block M–21, TCRR Survey.	Brown dolomite	Permian				.004	.001	.4	.x	.x	.x	.00x	.x	.x	.00x	.00x	.0x	.x			Si, Fe, Na	Al, Ca, Mg, Ce, Nd, Sn	Ti, Ba, Sr	Y, Zr		144
145	do	69483–D	do	No. 9 Cockerell	Sec. 5, Block B–3, D & S E Survey.	do	do				.015	.001	1.5	.x	.x	.x	.0x	.0x	.0x	.0x	.00x	.x			Fe	Si, Ca, Na	Al, Mg, K, Sn	Ti, B, Sr, Zr	Ba, Ga		145
146	do	69484–D	do	No. 32 Wittenberg	Sec. 12, Block X02, H & T C Survey.	Big lime or brown dolomite.	do				.005	.001	.5	.x	.x	.0x	.0x	.0x		.00x	.00x					Si, Fe, Na	Al, Ca, Mg, As	Ti, Sr		Ba, Sn, Zr	146
					Sec. 76, Block 46, H & T C Survey.	Big lime	do				.344	.001	34.4	.x	.0x	.00x	.000x			.000x				.00x	Na	Ca, Mg	Si, K, Sr		Al, Fe	Ti, B, Zr	Ba	147
147	do	69485–D	do	No. 2 Mitchell	Sec. 1, Block M–24, T & C Survey.	Brown dolomite	do				.101	.001	10.1	.0x	.0x	.00x									Si				Ca	Ti, B, Sr	148
148	do	69486–D	do	No. 1A Ryan	Hutchinson County, sec. 24, Block M–23, TCRR Survey.	do	do				.016	.001	1.6	.x	.x	x.	.x	.x	.x	.0x	.00x	.0x			Fe, Na	Ca, Mg	Si, Al, K, As, Sr	Ti, Sn	Ba, Zr		149
149	do	69487–D	do	No. 2 Jasper	Carson County, sec. 8, Block 3, A B & M Survey.	do	do				.17	.001	17.0	.x	.x	.00x	.000x	.00x		.00x		.0x			Si, Fe, Ca, Mg, Na	Al	Ti, K, Ba, Sr	B, Zr		150
150	do	72026–D	Colorado Interstate Gas Co.	No. A–5 Sanford	Hutchinson County:																									
					Sec. 85, Block 46, H & T C Survey.	Big lime	do	37.0			.684	.040	336.0	.x	.0x	.00x				.000x						Ca, Na	Si, Al, Fe, Mg, Sr	Zr	Ti, Ba		151
151	do	74171–D	Phillips Petroleum Co.	No. 1 Mudgett	Sec. 72, Block 46, H & T C Survey.	Brown dolomite	do	38.0	25		.206	.0028	58.8	.0x	.0x	.00x				.000x					Na	Ca, Mg	Si, Al, Fe, Sr	Ti, Zr	B, Ba	Al, Fe	152
152	do	74172–D	do	No. 3 Dugan	Sec. 4, Block X02, H & O B Survey.	do	do	38.0			.003	.0011	.3	.x	.x	.0x	.00x	.00x		.00x		.00x	.00x			Ca, Na	Fe, Mg	Si, Al, Sr		Ba, Zr	Mg, Ba	153
153	do	74174–D	do	No. 2 Hazel	Sec. 35, Block 47, H & T C Survey.	Big lime	do	37.0			.143	.0014	20.0	.x	.x	.0x	.0x		.0x	.000x					Na	Fe, Ca, Mg	Si, Al, Sr		Ti, B, Ba, Zr		154
154	do	74175–D	do	No. 7 Yake	Sec. 26, Block M–23, TCRR Survey.	Brown dolomite	do	37.0			.008	.001	.8	.x	.x	.0x	.00x			.000x	.000x	.00x	.0x								155
155	do	74176–D	do	No. 4 Gary	Sec. 9¼, Z. C. Collier, Survey	Big lime	do	38.0			.026	.001	2.6	.x	.x	.0x	.000x			.00x	.000x				Na	Ca, Mg	Si, Al, Fe, Sr	B	Ti, Zr	Ba	156
156	do	74177–D	do	No. 2 Childers	N¼ 112 acres, J. W. Swisher Survey.	Brown dolomite	do	36.0			.001	.0006	.1	.x	.x	.00x	.000x	.00x		.00x	.000x				Na	Ca	Al, Fe, Mg	Si, Sr	Ti, Ba, Zr		157
157	do	74178–D	do	No. 2 Lucas	Sec. 18, Block M–16, A B & M Survey.	do	do	38.0			.005	.001	.5	x.	x.	.00x	.00x	.0x		.00x	.000x	.x			Fe, Na	Si, Ca	Al, Mg	Ti, Sn, Sr, Zr	B, Ba, Y		158
158	do	74179–D	do	No. 7 Ebling	Sec. 18, Block M–16, A B & M Survey.	do	do				.001	.0008	.1	.x	.x	.00x	.00x		.x	.00x	.000x				Na	Ca, Mg	Si, Al, Fe, Sr		Ti, B, Ba, Zr		159
159	do	74180–D	Stanley K. Feinberg	No. A–12 Wittenberg	Sec. 2, Block J, TWNG Survey	do	do				.511	.0007	35.8	.0x	.0x	.00x				.000x	.000x				Na	Na	Fe, Ca, Mg	Si, Al, Sr	Ti, B, Zr	Ba	160
160	do	74181–D	do	No. B–2 Wittenberg	Sec. 2, Block J, TWNG Survey	do	do				.0006	.0026	.2	.x	.x	.00x	.00x			.00x	.000x				Na	Ca, Mg	Si, Al, Fe, Sr		Ba	161
161	do	74182–D	do	No. C–2 Wittenberg	Hartley County, sec. 29, Block 21, CSS Survey.	Granite wash					.0039	.0016	.6	.x	.x	.x	.0x	.x	.x	.0x	.00x	.0x	.0x		Fe, Na	Si, Ca, K	Al, Mg, Sr	Ti, B, Ba, Ce, Nd	Sn, Zr	Ag, Be, Sc	162
162	do	81223–D	Kerr-McGee Oil Industries Inc.	No. 4 Berneta							.0028	.020	5.6	.x	x.	.x	.0x	.x	.x	.0x	.00x	.0x			Na	Si, Al, Fe, Ca, K	Mg, Sr	Ti, B, Ba, Zr	Sn	Sc	163
163	do	81324–D	do		do	do	do				.0011	.0038	.4	x.	x.	.0x	.0x	.0x	.x	.0x	.0x	.0x				Si, Al, Fe, Ca, Mg, K	Ti, K	B, Ba, Sr, Zr	Ga, Sn	Ag, Be, Sc	164
164	do	81325–D	Phillips Petroleum Co.	No. T–1 Johnson	Gray County, sec. 3, School lands	Brown dolomite	Permian				.12	.0005	16.0	.0x	.0x	.0x	.000x	.00x	.x	.000x					Na	Ca	Si, Mg, K, Sr	Al, Fe		Ti, Be	165
165	do	81827–D	Kerr-McGee Oil Industries Inc.	No. 10 Lee	Sherman County, sec. 238, Block 44, H&TC Survey.						.0086	.082	70.5	x.	x.	.0x	.00x	.x	x.	.00x	.00x	.0x				Fe, Na	Si, Al, Ca, Mg	Ti, Ba, Sn, Zr	Ga	Be	166
166	do	88902–D	Phillips Petroleum Co.	No. 1 Mudgett	Hutchinson County, sec. 85, Block46, H&TC Survey.	Big line	do	38.0			.0082	.0031	2.5	x.	x.	x.	.0x	.0x	.x	.0x	.0x	.0x	.0x			Fe, Ca, Na	Al, Mg, As, Sr	Ba, Ce	Ti, Sn		167
167	do	200813–D	do	No. 4 J. Fox	Gray County, sec. 36, Block 3	Granite wash		42.1	[1, 2 5 25] [2.7, 2.4 25 26]	6.4 11.8, 13.2	.0055	.0002	.1																	168
168	do	200814–A	do	No. 6 J. Fox	do	do	do	43.4			.0007			x.	x.	.x	.0x	.x	.x	.00x	.00x	.0x			Al, Fe, Ca, Mg, Ns, As	Ba, Sn	Ti, B, Sr		Ag	169
169	do	207079–D	do	No. 1 G. G. Bivins	Hartley County, sec. 29, Block 21, CSS Survey.	do	do				.087	.0150	130.5	.x	.x	.x	.00x	.0x		.0x		.x			Al, Fe, Ca, Na	Ti, Mg	Ag, B, Ba, Sn, Zr	Sr		170
170	do	237425–D	Colorado Interstate Gas Co.	No. J–1 Masterson	Moore County, sec. 59, Block 018, D&P Survey.		Permian	[21]			.001	.0007	.1	.x	.x	.0x	.0x	.00x		.0x	.00x	.00x			Na	Si, Fe, Ca	Al, Ti, Mg, Sr	Ag, B, Ba	Ga		171
171	Talco	18353–E	Humble Oil Co		Franklin and Titus Counties	Paluxy (sand)	Lower Cretaceous																							
Utah																														
172	Ashley Creek	217877–C	Stanolind Oil & Gas Co.	Unit No. 1	Uintah County	Park City (limestone), Weber (sand).	Pennsylvanian	29.0			0.0037	0.0019	0.7	xx.	xx.	0.0x	0.0x	0.0x	0.x	0.0x	0.0x	0.0x	0.0x				Al, Fe, Ca, Mg	Ti, Ga	Ag, Ba, Zr		172
173	do	217878–C	do	Unit No. 10	do	Weber (sand)	do	29.1			.0029	.0034	2.4	xx.	xx.	.x	.0x	x.		.0x	.0x	.0x			Ca, K	Ca, Mg	Fe	Al, Ga, Sr	Ti, Ba, Zr	Ag	173
174	Big Flat	217880–C	King Oil Co	No. 1 Ruby (recovered during blow-out).	Grand County, SW¼SE¼SE¼ sec. 11, T. 26 S., R. 19 E.	Paradox	do	31.1			.0008	.0011	.7	x.	x.	.x	.00x	.x	.x	.0x	.0x	.x				Fe, Mg	Al, Sr	Ti, Ba	B, Sn	Ag	174
175	do	235028–C	do	Units Nos. 2 and 4 tank sample.	do	do	do				.0018	.0005	.1	.x	.x	x.	.00x	x.	x.	.0x		.x			Ca	Fe, Mg, Na	Al, As, Ba, Sn, Sr	Ti			175 176
176	Boundary Butte	235027–C	Western Natural Gas Co.		San Juan County	Madison(?) (limestone). Cocoinno (sand)	Mississippian Permian	38.7 42.6			.0003	.1591	4.8	xx.	xx.	x.	.0x	.x	.x	.x	.0x	.0x				Fe, Ca, Na, As	Al, Mg, Ba	Ti			
177	Cane Creek	217872–C	Amercol Petroleum Inc.	No. 1 Mason tank sample.	Grand County, N½SW¼SW¼ sec. 31, T. 26 S., R. 21 E.			39.9			.0010	.0014	.1	.0x	.0x	.x		x.	xx.	.00x		.0x			Ca	Mg, Na	Al, Fe		Ti, B, Ba, Sr	Ag	177
178	Chaplita Wells	201522–A	Continental Oil Co	Unit No. 1	Uintah County, SE¼SE¼NW¼ sec. 16, T. 9 S., R. 23 E.	Mesa Verde (sand)	Cretaceous	54.3			.0007			.x	.00x	.x	.00x	.x		.0x		.0x				Al, Fe, Ca	Fe, Ca, Mg	Ti, B, Ba	Ag, Sr		178
179	Cisco	215282–C	Caltah Oil Co	Murray No. 1	Grand County, Block 8, sec. 24, T. 21 S., R. 23 E.	Morrison (sand)	Jurassic				.0046	.0021	1.0	x.	x.	x.	.0x	x.	.x	.0x	.00x	.0x				Mg	Ti, Ba, Sr	Zr	Ag	179
180	County	92405–A	Carter Oil Co	Unit No. 1	Duchesne County, SE¼NW¼ sec. 25, T. 8 S., R. 5 W.	Green River (sand)	Eocene	14.6			.411	.0001	4.1	.0x	.x	.00x	.0x			.00x					Na	Al, Fe, Ca, B	Mg, Ba	Zr	Sr		180
181	Crescent	235031–C	Kimball Oil Co	No. 1 Kimball State	Grand County, sec. 16, T. 26 S., R. 19 E.	Morrison (sand)	Jurassic	30.1			.3417	.0001	3.4	.0x	.0x	.0x		.x	x.	.000x		.0x			Ba	Ca	Fe, B, Sr	Al, Mg		Ti	181
182	Desert Creek	235024–C	Shell Oil Co	Unit No. 2 tank sample.	San Juan County, SE¼SE¼ sec. 35, T. 41 S., R. 23 E.	Paradox (dolomite)	Pennsylvanian	37.1			.0004	.0108	.4	x.	x.	.x	.0x	.x	.x	.0x		.0x			Na	Fe, Ca, Mg, As, Ba	Al	Ti, Sn, Sr	Ag		182
183	Duchesne	92399–A	Carter Oil Co	Unit No. 1	Duchesne County: SE¼NE¼ sec. 17, T. 4 S., R. 4 W.	Green River (sand)	Eocene	42.4			.013	.0005	.7	.0x	.0x	.0x	.00x	.0x	.0x	.00x	.00x	.0x	.00x		Na	Fe, Ca, Ba	Al, Mg, Sr	Ti, B	Sn, Zr	Ag	183
184	do	92400–A	do	Unit No. 2	SE¼NW¼ sec. 16, T. 4 S., R. 4 W.	do	do	36.9			.0047	.0016	.7	.0x	.0x	.0x	.00x	.0x	.0x	.00x	.00x	.0x	.0x		Na	Fe, Ca, Ba	Al, Mg, Ce	Ti, B, Nd, Sr	Sn	Ag	184
185	do	235043–C	do	Tank units 1 and 2	Secs. 16 and 17, T. 4 S. R. 4 W.	do	do	42.5			.0062	.0038	.1	.x	.x	.x	.00x	x.	x.	.0x		.x			Na	Fe, Ca, Mg, Ba	Al, Ti, As, Sn	B, Sr	Ag		185
186	Flat Mesa	235037–C	Carter Oil Co	No. 1 Joseph Smith, tank sample.	Duchesne County, SE¼SE¼ sec. 16, T. 8 S., R. 5 W.	Green River (sand)	Eocene	42.1			.0001			.x	.x	.x	.00x	.x		.x					As	Fe, Ca, Na	Al, Ti, Mg, Ba, Sn	B	Ag		186
187	Johns Valley	240697–C	California Co	No. 2 Unit	Garfield County, NW¼SW¼NE¼ sec. 22, T. 35 S., R. 2 W.	Kaibab limestone	Permian				.33	.0012	39.6	.x	.x	.x	.00x	.0x	.x	.0x	.0x	.0x			Ca	Si, Al, Fe, Mg, Na, K, As.	Ba	Ti, Sb, Sr	B, Sn, Zr	Ag, Ga	187
188	Moab Canyon	235029–C	Delhi Oil Co	Unit No. 2, swab test	Grand County, SW¼NW¼SW¼ sec. 18, T. 25 S., R. 21 E.	Madison (?) (limestone)	Mississippian	41.6			.0008	.0019	.1	.0x	.0x	x.	.00x	.x	.0x	.0x					Ca	Fe, Na	Al, Mg, Ba, Sr				188
189	Red Wash	69274–E	California Co		Uintah County:						.0098	.001	1.0	.x	xx.	.0x	.x	.0x		.00x	.x	.0x	0.00x		Na	Si, Fe, Ca, Mg	Al, K, Ba, Sr	Ti, B	Sn	Ag	189
190	do	217879–C	do	Unit No. 7	SE¼NE¼ sec. 28, T. 1 S., R. 1 E.	do	do	28.9			.0068	.0011	.7	.x	x.	.x	.x	.x		.00x	.00x	.00x				Al, Fe, Ca, Mg	Ti, Sr	Ba, Sn		190
191	Roosevelt	92402–A	Carter Oil Co	Unit No. 3	SW¼SW¼ sec. 15, T. 1 S., R. 1 W.	do	do	32.6			.0042	.0001	.1	.x	xx.	.0x	.x	.0x		.00x	.0x	.00x	.00x		Na	Ca	Al, Fe, Mg	Ba, Sr	Ti, B, Sn, Zr	Ag	191
192	do	92403–A	do	Unit No. 4	San Juan County	do	do	31.5			.001	.0001	.1	.0x	x.	.0x	.0x	.0x		.00x	.00x	.00x	.00x		Na	Fe, Ca, Mg, Ti	Al, Fe, Ca, Mg, Li	B, Ba, Sr		Ag	192
193	San Juan	73369–E				Rico (sand)	Pennsylvanian and Permian.				.001			x.	x.	x.	.0x	.0x		.0x	.0x	.x	.x			Si, Fe, F, Ca, Na, As.	Al, Mg, Ce, Nd.	Ti, Ba, Sn, Sr, Sm, Zr	B, Sc, Y	Ag	193
194	do	235025–C	Wing Oil Production Co.	(?) 650 feet depth, approx.	do	do	do	36.6			.0009	.0113	1.0	x.	x.	.0x	.0x	.0x		.0x	.0x	.x			As	Fe, Ca, Mg	Al, Ti	B, Ba, Sn	Ag, Sr		194
195	do	235026–C	do	(?) 250 feet depth, approx.	do	do	do	39.1			.0006	.0090	.5	xx.	xx.	x.	.0x	.x	x.	.0x	.x	.x			As	Fe, Ca, Na	Al, Ti, Mg, Ba	Sn	Ag, Sr		195 196
196	Selber Nose	229659–A	Carter Oil Co	No. 1 Larsen State	Grand County, NE¼NW¼ sec. 2, T. 20 S., R. 24 E.	Rico formation Goodridge sand. Morrison (sand)	do Jurassic	35.2			.0028	.0008	.2																	
197	do	235032–C	do		do	do	do	35.3			.0021	.0009	.2	xx.	x.	x.	.0x	.x	x.	.0x	.0x	.x			Na	Fe, Ca, Ns, As. Ca, Mg, K	Al, Mg, Ba Al, Fe, Sr	B, Sr Ti, As, Ba, Zr	Ag B	Ti	197 198
198	Upper Valley	97491–I	California Co	Well No. 1	Garfield County, SW¼NW¼ T. 36 S., R. 1 E.	Hermosa (limestone)	Pennsylvanian				.117	.0007	8.3	x.	x.	.0x	.00x	.0x		.00x	.00x									
199	Virgin	220441–A	E. R. Bardwell	No. 3 Diamond	Washington County: NW¼SW¼ sec. 13, T. 41 S., R. 12 W.	Virgin limestone	Triassic	22.1			.0048	.0004	.2	xx.	xx.	.x	.0x	x.	.x	.0x	.0x	.x				Fe, Ca, Mg	Al, Ti, Ga, Sn, Sr	Ba			199
200	do	220442–A	do	No. 10 Walklin	do	do	do	32.2			.0027	.0003	.1	xx.	xx.	.x	.0x	xx.		.0x	.0x	.x				Fe, Ca	Al, Ti, Mg, Ba, Sn	Sr	Ga		200 201
201	do	235040–C	do	Tank sample (field)	do	do	do	27.4			.0473	.0001	.5	.x	.x	.0x	.0x	.x		.00x		.0x			Na	Fe, Ca	Mg, Sr	Al, Ba, Ga	Sn	Ti	201
202	Walker Hollow	235039–C	Carter Oil Co	No. 2 Bamberger, tank sample.	Uintah County:						.0026	.0004	.1	x.	xx.	.x	x.	.0x	.x	.0x	.0x	.0x				Na	Fe, Ca, Mg	Al, Zr	Ti, Ba		202
203	West Plesant Valley	235041–C	M. M. Travis	No. 1	NE¼SW¼NE¼ sec. 8, T. 7 S., R. 24 E.	Green River (sand)	Eocene	25.2			.0002	.0002	.1	.x	x.	x.	.0x	x.	x.	.0x	.0x	.x			Na	Fe, Ca, Mg, As	Al, Ba, Sb, Sr	Ti, P	Ag		203
204	do	235042–C	do	No. 1 Jensen (tank)	SW¼SW¼ sec. 22, T. 8 S., R. 16 E.	do	do	35.5			.2701	.0004	10.8	.0x	.x	.0x	.0x	.0x		.0x	.00x	.0x			Na	Al, Fe, Ca, Mg	Ti, B	Ba		204
205	Hells Hole Canyon	218291–C		Oil distilled from shale	W¼NE¼ sec. 21, T. 8 S., R. 16 E.	do	do	30.8			.001	.018	1.8	.0x	.x	.x	.x	.x		x.	.0x	.00x	.00x	.0x	Na	Fe, Na, As	Al, Ca, Mg	Ti, B, Zr	Ba		205
					Uintah County	Green River Mahogany ledge.	do																							
Wyoming																														
206	Beaver Creek	244953–C	Stanolind Oil & Gas Co.	No. 32	Fremont County: SE¼ sec. 10, T. 33 N., R. 96 W.	Madison (limestone)	Mississippian	40.7			0.0001	0.0085	0.8																	206
207	do	244954–C	do	No. 14	SW¼ sec. 10, T. 33 N., R. 96 W.	Tensleep (sand)	Pennsylvanian	39.5			.0001	.0262	.4	x.		0.x	0.x	0.x	x.		0.x	.00x		.00x		Na	Ca	Al, Fe, Mg, Sr	Ti, Ba	Ga, Sn		207
208	do	244955–C	do	No. 37	SE¼ sec. 10, T. 33 N., R. 96 W.	Mesa Verde (sand)	Cretaceous	36.7			.0046	.0011	.5	x.	x.	.x	.0x	.x	x.	.x	.0x	.0x	.00x			Fe, Ca, Na	Al, Mg	Ti, Ba, Ce, Nd, Sr	Ag, Ga, Sn, Y, Zr		208 209
209	Bison Basin	90110–A	E. J. Boesche	Tank sample		Frontier (sand)	do	18.0	3.0 [27]	19.1	.0026	.0003	.7	x.	x.	.x	.x	.x	.x	.0x	.0x	.0x	.0x							
210	Circle Ridge	96108–A	Continental Oil Co.	No. 18 Shoshone	Fremont County: SW¼NW¼ sec. 6, T. 6 N., R. 2 W.	Madison (limestone)	Mississippian	23.8			.0165	.0003	.4	xx.	x.	.x	.00x	.0x	.0x	.0x	.0x	.0x	.00x				Al, Fe, Ca	Mg	Ba, Ga, Zr		210
211	Crooks Gap	96112–A	Sinclair Oil & Gas Co.	Unit No. 7	NE¼ sec. 13, T. 28 N., R. 93 W.	Muddy sand	Upper Cretaceous	38.6			.0034	.0002	.1	x.	x.	.x	.x	.0x	.00x	.0x	.0x	.0x	.0x		Na	Fe	Al, Mg, Ba	Ce, Sr	Ca, Sn	Ag	211
212	Dallas	96099–A	W. H. Barber	No. 6 Fourt et al	SE¼SE¼ sec. 13, T. 32 N., R. 99 W.	Tensleep (sand)	Pennsylvanian	18.2			.0223	.0004	.8	xx.	x.	.x	.x	.0x	.00x	.0x	.0x	.0x	.0x				Fe, Ca, Mg, Ce	Al, Na, Nd	Ba, Ga, Sr	Ag	212
213	do	96100–A	do	No. 4 Fourt et al	SW¼SE¼ sec. 13, T. 32 N., R. 99 W.	Third Embar (limestone)	Permian and Lower Triassic.	17.9	8.0 [4 14 23 29]	39.2	.0226	.0003	.7	xx.	xx.	.x	.0x	.0x	.x	.0x	.0x	.0x	.0x				Fe, Ca, Mg, Ce	Al, Na, Nd	Ba, Ga, Sr	Ag	213
214	Derby	96102–A	W. H. Barber	No. 6 Carmody	SE¼NW¼ sec. 4, T. 31 N., R. 98 W.	Phosphoria and Embar (limestone).	do	21.5	7.3 [30]	35.8	.0135	.0024	3.1	xx.	xx.	.x	.00x	.0x		.0x	.0x	.0x	.0x				Al, Fe, Ca, Mg, Na, Ce	Nd, Sr	Ba, Ga		214
					Park County:																									
215	Elk Basin	96078–A	Stanolind Oil & Gas Co.	Unit No. 125	NE¼NW¼ sec. 8, T. 57 N., R. 99 W.	Tensleep (sand)	Pennsylvanian	30.2	3.9 [20] 4.1 [5 7] 3.4, 3.7, 4.0, 4.1, 5.1 [20]	20.1, 19.1, 16.7, 18.1, 19.6, 20.1, 22.0.	.0026	.0003	.1	xx.	x.	.x	.x	.00x	.0x	.0x	.0x	.0x	.0x								215
216	Frannie	244253–C			NW¼ sec. 25, T. 58 N., R. 98 W.	do	do	24.6	4.6 [4 14 20 23]	22.5	.0044	.0009	.4	xx.	x.	.x	.x	.00x	.0x	.0x	.0x	.0x	.00x			Ca	Fe, Mg, Na	Cd, Ga	Ti, Ba, Sr	Ag		216
217	do	244254–C	Continental Oil Co.	Man "E" Tract Unit No. 1.	SE¼NE¼SW¼ sec. 25, T. 58 N., R. 98 W.	Madison (limestone)	Mississippian	13.2	9.2 [20] 9.8 [31] 9.1 [4 23 29]	45.1, 47.0, 44.6	.0141	.338	475.6	xx.	x.	.0x	.00x	.0x	.x	.0x	.0x	.0x	.0x			Ca	Al, Fe, Mg, Ba, U	Ti, Cd, Sr	Ga	Ag	217
218	Garland	96079–A	Ohio Oil Co	Unit No. 47	Sec. 14, T. 56 N., R. 98 W.	Tensleep (sand)	Pennsylvanian	22.2	8.3 [18] 8.0 [4 14 23]	40.7, 43.6	.0117	.0013	1.5	xx.	xx.	.x	.00x	.0x		.0x	.0x	.0x	.0x			Fe	Al, Ca	Mg	Ag, Ba, Ga, Sr		218
219	do	96080–A	do	No. 36 Kinney Coastal	SE¼SE¼ sec. 24, T. 56 N., R. 98 W.	do	do				.0116	.0003	.3																	219
220	Grass Creek	96097–A	do	Washakie O.P.C. 11 No. 19c.	Hot Springs County, SE¼NE¼ sec. 18, T. 46 N., R. 98 W.	Curtis sand	Triassic	22.5	8.2 [28]	40.2	.0384	.0002	.6	xx.	xx.	.0x	.00x	.0x	.0x	.0x	.0x	.0x	.0x			Na	Fe, Ca, Mg	Al	Ba, Ga, Sr		220
					Park County:																									
221	Half Moon	96083–A	Husky Oil Co	No. 1 Weadick	NW¼NW¼ sec. 26, T. 51 N., R. 102 W.	Tensleep (sand)	Pennsylvanian	13.3	10.7 [20]	52.4	.023	.0003	.7	xx.	x.	.x	.00x	.00x		.0x	.x	.0x				Ca, Mg, Na	Al, Fe	Sr	Ba, Ga		221
222	do	96084–A	do	No. 1 Morrison	SW¼NW¼ sec. 23, T. 51 N., R. 102 W.	Embar (limestone)	Permian and Lower Triassic.	13.4	10.9 [20]	53.4	.0577	.0003	1.7	xx.	x.	.x	.00x	.0x	.0x	.0x	.x	.0x			Ca	Mg, Na, K	Fe, Sr	Al	Ba, Ga		222
					Hot Springs County:																								Fe, Ca, Mg	Al, Ba, Ga		223
223	Hamilton Dome	96092–A	Argo Oil Co	Unit No. 41–M	SW¼NW¼ sec. 13, T. 44 N., R. 98 W.	Madison (limestone)	Mississippian	14.8	11.4 [20]	55.9	.038	.0003	1.1	xx.	x.	.x	.00x	.00x		.0x	.0x	.0x								
224	do	96093–A	do	Unit No. 9–E	SW¼ sec. 13, T. 44 N., R. 98 W.	Embar (limestone)	Permian and Lower Triassic.	26.7	7.8 [26] 6.7 [6]	32.8, 38.2	.012	.0003	.4	xx.	x.	.x	.0x	.0x		.0x	.0x	.0x				Fe, Ca, Mg, Na	Al, Ba, Zr	Ba, Ga, Sr		224
225	do	96094–A	Phebus	Unit No. 1	SE¼NW¼ sec. 14, T. 44 N., R. 98 W.	Chugwater (sand)		16.9	9.5 [20] (Curtis sand)	46.5	.038	.0003	1.3	xx.	x.	.x	.00x