

Golden, Colorado

 Project Number: 861004 36-95-24E Date Submitted: 24 July 1967

677- ANALYTICAL LABORATORY REPORT

 Sponsor: Atlantic Richfield White River #1 Page 1 of 3

Lab. No.	Samp. No.	White River #1 Description	Oil Ton ^{gal/}		Water Ton ^{gal/}		Specific Gravity		AIR DRILLED CUTTINGS									
			Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd
813		420-425		5.03		1.93		0.924*										
814		425-430		5.32		1.96		0.924*										
815		430-435		5.11		2.26		0.924*										
816		435-440		5.03		1.06		0.924*										
817		440-445		3.20		1.05		0.924*										
818		445-450		2.46		0.91		0.924*										
819		450-455		4.91		2.27		0.924*										
820		455-460		9.66		2.19		0.927										
821		460-465		4.46		3.72		0.924*										
822		465-470		7.64		2.95		0.921										
823		470-475		8.66		2.04		0.919										
824		475-480		3.83		2.11		0.924*										
825		480-485		3.26		2.31		0.924*										
826		485-490		1.63		5.01		0.924*										
827		490-495		8.63		1.76		0.919										
828		495-500		2.65		1.56		0.924*										
829		500-505		3.52		1.74		0.924*										
830		505-510		5.03		1.82		0.924*										
831		510-515		5.40		1.66		0.924*										
832		515-520		13.2		2.16		0.917										
833		520-525		5.99		1.85		0.924*										
834		525-530		7.55		1.78		0.923										

Remarks

*Specific Gravity from Composite Oil

Supervisor

Date Reported

7/25/67

Golden, Colorado

Project Number: 861004

Date Submitted: 24 July 1967

677- ANALYTICAL LABORATORY REPORT

Sponsor: Atlantic Richfield

Page 2 of 3

Lab. No.	Samp. No.	White River #1 Description	Oil Ton ^{gal/}		Water Ton ^{gal/}		Specific Gravity													
			Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd
835		530-535		8.16		1.47		0.925												
836		535-540		8.40		1.30		0.925												
837		540-545		7.43		1.11		0.927												
838		545-550		10.0		1.46		0.920												
839		550-555		6.86		0.98		0.918												
840		555-560		8.14		1.35		0.924												
841		560-565		8.08		1.45		0.925												
842		565-570		8.19		1.26		0.926												
843		570-575		7.26		1.57		0.927												
844		575-580		6.03		1.86		0.924												
845		580-585		5.99		1.95		0.922*												
846		585-590		4.01		3.93		0.922*												
847		590-595		6.05		2.43		0.922*												
848		595-600		6.44		1.83		0.922*												
849		600-605		7.28		1.79		0.919												
850		605-610		5.92		2.38		0.922*												
851		610-615		9.35		2.39		0.919												
852		615-620		6.57		1.49		0.917												
853		620-625		8.71		2.00		0.917												
854		625-630		8.33		1.92-		0.920												
855		630-635		6.87		1.71		0.915												
856		635-640		10.9		1.89		0.920												

*Average Specific Gravity from Composite Oil.

encl

Lab. Reported

7-27-67

Date Submitted: 24 July 1967

Page 3 of 3

Date Reported

7-28-67

...Date Submitted: 3 May 1967

Page 1 of 11

[illegible]

Golden, Colorado

Project Number: 861004

Date Submitted: 3 May 1967

675 ANALYTICAL LABORATORY REPORT

Sponsor: Atlantic Richfield

Page 2 of 11

Lab. No.	Samp. No.	Description	Oil gal/ton		Water gal/ton		Specific Gravity													
			Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd
155	23	762' - 763'		36.0		2.91		0.907												
156	24	763' - 764'		13.1		1.91		0.912												
157	25	764' - 765'		10.9		1.63		0.914												
158	26	765' - 766'		10.2		2.14		0.910												
159	27	766' - 767'		8.98		1.42		0.923												
160	28	767' - 768'		11.4		2.14		0.920												
161	29	768' - 769'		12.2		1.20		0.925												
162	30	769' - 770'		13.2		1.19		0.923												
163	31	770' - 771'		17.0		4.71		0.916												
164	32	771' - 772'		12.7		1.90		0.919												
165	33	772' - 773'		11.3		1.65		0.914												
166	34	773' - 774'		11.9		1.65		0.913												
167	35	774' - 775'		8.7		2.12		0.923												
168	36	775' - 776'		23.0		2.11		0.907												
169	37	776' - 777'		17.9		1.67		0.917												
170	38	777' - 778'		12.3		1.20		0.916												
171	39	778' - 779'		12.3		1.92		0.918												
172	40	779' - 780'		9.85		1.19		0.921												
173	41	780' - 781'		13.8		1.20		0.921												
174	42	781' - 782'		11.1		1.19		0.929												
175	43	782' - 783'		12.1		.95		0.922												
176	44	783' - 784'		14.1		2.88		0.917												

Golden, Colorado

 Project Number: 861004

 Date Submitted: 3 May 1967

675 ANALYTICAL LABORATORY REPORT

 Sponsor: Atlantic Richfield

Page 3 of 11

Lab. No.	Samp. No.	Description	Oil gal/ton		Water gal/ton		Specific Gravity													
			Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd
177	45	784' - 785'		12.2		.95		0.914												
178	46	785' - 786'		11.0		.94		0.923												
179	47	786' - 787'		11.2		1.20		0.923												
180	48	787' - 788'		12.8		1.19		0.914												
181	49	788' - 789'		7.42		.94		0.923												
182	50	789' - 790'		13.4		1.43		0.922												
183	51	790' - 791'		13.8		1.20		0.925												
184	52	791' - 792'		5.39		1.19		0.929												
185	53	792' - 793'		9.93		1.20		0.918												
186	54	793' - 794'		10.0		1.70		0.918												
187	55	794' - 795'		12.4		1.19		0.923												
188	56	795' - 796'		7.03		1.20		0.924												
189	57	796' - 797'		9.17		.71		0.923												
190	58	797' - 798'		6.99		1.18		0.913												
191	59	798' - 799'		13.5		1.17		0.919												
192	60	799' - 800'		10.1		1.19		0.922												
193	61	800' - 801'		9.56		1.19		0.922												
194	62	801' - 802'		9.62		1.18		0.911												
195	63	802' - 803'		10.2		.94		0.917												
196	64	803' - 804'		11.5		1.43		0.917												
197	65	804' - 805'		12.7		1.63		0.916												
198	66	805' - 806'		15.9		.71		0.914												

Remarks

Supervisor

Date Reported

5-12-67

Golden, Colorado

Project Number: 861004

Date Submitted: 3 May 1967

675 ANALYTICAL LABORATORY REPORT

Sponsor: Atlantic Richfield

Page 4 of 11

Lab. No.	Samp. No.	Description	Oil gal/ton		Water gal/ton		Specific Gravity													
			Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd
199	67	806' - 807'		10.1		1.19		0.925												
200	68	807' - 808'		10.8		1.44		0.933												
201	69	808' - 809'		8.63		2.36		0.931												
202	70	809' - 810'		1.71		2.39		0.922												
203	71	810' - 811'		11.1		4.76		0.922												
204	72	811' - 812'		8.62		5.54		0.923												
205	73	812' - 813'		2.7		5.96		0.920												
206	74	813' - 814'		11.3		3.97		0.930												
207	75	814' - 815'		12.5		2.38		0.929												
208	76	815' - 816'		12.1		1.90		0.924												
209	77	816' - 817'		17.1		2.39		0.920												
210	78	817' - 818'		8.92		1.87		0.917												
211	79	818' - 819'		18.5		1.67		0.915												
212	80	819' - 820		17.3		1.44		0.918												
213	81	820' - 821'		11.1		1.67		0.927												
214	82	821' - 822'		10.0		1.19		0.926												
215	83	822' - 823'		8.16		1.67		0.932												
216	84	823' - 824'		8.45		.95		0.928												
217	85	824' - 825'		12.4		1.67		0.922												
218	86	825' - 826'		15.3		1.43		0.919												
219	87	826' - 827'		10.7		1.43		0.923												
220	88	827' - 828'		5.87		1.42		0.924*												

Remarks * Average Specific Gravity

Supervisor

Date Reported

5-12-67

Golden, Colorado

Project Number: 861004Date Submitted: 3 May 1967

675 ANALYTICAL LABORATORY REPORT

Sponsor: Atlantic Richfield

Page 5 of 11

Lab. No.	Samp. No.	Description	Oil gal/ton		Water gal/ton		Specific Gravity													
			Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd
221	89	828' - 829'		7.78		1.43		0.925												
222	90	829' - 830'		8.27		1.66		0.925												
223	91	830' - 831'		6.28		.96		0.919*												
224	92	831' - 832'		10.7		1.67		0.925												
225	93	832' - 833'		16.2		1.19		0.913												
226	94	833' - 834'		12.2		1.43		0.915												
227	95	834' - 835'		7.73		1.20		0.931												
228	96	835' - 836'		8.83		.95		0.917												
229	97	836' - 837'		13.8		.95		0.915												
230	98	837' - 838'		38.2		1.65		0.930												
231	99	838' - 839'		4.37		.71		0.919*												
232	100	839' - 840'		5.14		4.71		0.919*												
233	101	840' - 841'		7.20		.93		0.935												
234	102	841' - 842'		7.26		.72		0.928												
235	103	842' - 843'		2.34		2.14		0.919*												
236	104	843' - 844'		4.68		.95		0.919*												
237	105	844' - 845'		5.20		.72		0.919*												
238	106	845' - 846'		5.96		.95		0.919*												
239	107	846' - 847'		13.8		1.19		0.915												
240	108	847' - 848'		37.3		2.16		0.900												
241	109	848' - 849'		17.9		1.43		0.906												
242	110	849' - 850'		16.6		1.19		0.907												

Remarks: * Average Sp. Gr.

Supervisor

Date Reported

5-5-67

Golden, Colorado

 Project Number: 861004

 Date Submitted: 3 May 1967

675

ANALYTICAL LABORATORY REPORT

 Sponsor: Atlantic Richfield

Page 6 of 11

Lab. No.	Samp. No.	Description	Oil gal/ ton		Water gal/ ton		Specific Gravity													
			Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd
243	111	850' - 851'		17.4		1.66		0.910												
244	112	851' - 852'		36.5		1.89		0.908												
245	113	852' - 853'		20.0		1.20		0.908												
246	114	853' - 854'		13.0		1.67		0.920												
247	115	854' - 855'		15.8		2.37		0.909												
248	116	855' - 856'		14.2		2.40		0.914												
249	117	856' - 857'		13.3		2.18		0.913												
250	118	857' - 858'		12.8		1.19		0.912												
251	119	858' - 859'		18.2		1.43		0.913												
252	120	859' - 860'		18.9		2.40		0.902												
253	121	860' - 861'		39.7		3.05		0.891												
254	122	861' - 862'		28.0		2.13		0.894												
255	123	862' - 863'		13.6		1.19		0.898												
256	124	863' - 864'		15.3		1.66		0.898												
257	125	864' - 865'		5.53		1.19		0.907*												
258	126	865' - 866'		3.12		.71		0.907*												
259	127	866' - 867'		2.88		1.90		0.907*												
260	128	867' - 868'		11.5		2.37		0.907												
261	129	868' - 869'		12.5		3.18		0.907												
262	130	869' - 870'		19.6		3.85		0.908												
263	131	870' - 871'		29.9		2.63		0.903												
264	132	871' - 872'		32.9		3.56		0.911												

Remarks * Average Sp. Gr.

Supervisor

Date Reported

5-5-67

Golden, Colorado

Project Number: 861004

Date Submitted: 4 May 1967

675

ANALYTICAL LABORATORY REPORT

Sponsor: Atlantic Richfield

Page 7 of 11

Lab. No.	Samp. No.	Description	Oil gal/ton		Water gal/ton		Specific Gravity											
			Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd
265	133	872' - 873'		21.4		2.15		0.903										
266	134	873' - 874'		32.7		1.92		0.904										
267	135	874' - 875'		39.8		1.67		0.901										
268	136	875' - 876'		39.1		1.91		0.897										
269	137	876' - 877'		22.7		2.14		0.890										
270	138	877' - 878'		20.3		1.66		0.899										
271	139	878' - 879'		14.7		1.90		0.905										
272	140	879' - 880'		10.6		1.66		0.914										
273	141	880' - 881'		22.2		2.12		0.901										
274	142	881' - 882'		19.5		2.14		0.904										
275	143	882' - 883'		12.6		2.32		0.908										
276	144	883' - 884'		14.0		2.32		0.908										
277	145	884' - 885'		9.66		4.78		0.915										
278	146	885' - 886'		11.6		1.20		0.907										
279	147	886' - 887'		9.51		2.15		0.905										
280	148	887' - 888'		12.1		1.20		0.895										
281	149	888' - 889'		13.3		1.43		0.898										
282	150	889' - 890'		32.7		1.66		0.910										
283	151	890' - 891'		41.8		2.38		0.911										
284	152	891' - 892'		23.6		2.14		0.906										
285	153	892' - 893'		20.3		1.43		0.893										
286	154	893' - 894'		21.8		1.43		0.895										
		5181																

Remarks

Supervisor

Date Reported

5-8-67

Date Submitted: 4 May 1967

Page 8 of 11

Date Reported

Golden, Colorado

Project Number: 851004

Date Submitted: 4 May 1967

675-

ANALYTICAL LABORATORY REPORT

Sponsor: Atlantic Richfield

Page 9 of 11

Lab. No.	Samp. No.	Description	Oil Ton		Water Ton		Gravity													
			Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd	Est	Fnd
309	177	916'-917'		57.0		1.18		0.895												
310	178	917'-918'		32.3		1.18		0.888												
311	179	918'-919'		45.0		1.18		0.900												
312	180	919'-920'		21.4		.72		0.885												
313	181	920'-921'		20.0		.72		0.925												
314	182	921'-922'		26.4		1.17		0.885												
315	183	922'-923'		38.4		1.42		0.904												
316	184	923'-924'		16.9		.96		0.899												
317	185	924'-925'		20.3		1.18		0.898												
318	186	925'-926'		11.6		.96		0.905												
319	187	926'-927'		16.8		.95		0.901												
320	188	927'-928'		34.8		1.65		0.914												
321	189	928'-929'		29.3		1.44		0.916												
322	190	929'-930'		15.0		1.43		0.911												
323	191	930'-931'		8.73		.96		0.908												
324	192	931'-932'		13.7		.95		0.908												
325	193	932'-933'		10.8		1.19		0.901												
326	194	933'-934'		26.8		1.19		0.892												
327	195	934'-935'		36.0		1.18		0.888												
328	196	935'-936'		36.0		1.43		0.878												
329	197	936'-937'		25.9		1.43		0.900												
330	198	937'-938'		21.7		1.43		0.886												
		22 ft																		

Remarks

Supervisor

Gary L. Edwards

Date Reported

9 May 1967

Date Submitted: 4 May 1967

Page 10 of 11

Remarks

Supervisor

Date Reported

9 May 1967

Golden, Colorado

Project Number: 861004

--Date Submitted: 4 May 1967

675-

ANALYTICAL LABORATORY REPORT

Sponsor: Atlantic Richfield

Page 11 of 11

[illegible]Remarks 10 *Average Specific Gravity

Supervisor W. H. [Signature] Date Reported _____

5-11-68