FC
00053577
Rev 8/96

State of Colorado
Oil and Gas Conservation Commission
DEPARTMENT OF NATURAL RESOURCES

WELL ABANDONMENT REPORT

This form is to be submitted as an intent whenever a plugging is planned on a borehole. The approved intent shall be valid for one year after the approval date; after that period a new intent will be required. After the plugging is complete, this form shall again be submitted as a subsequent report of the work as actually completed.

FOR OGCC USE ONLY
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24 hour notice required, contact
@

Complete the Attachment Checklist

	Oper	OGCC
Wellbore Diagram		
Cement Job Summary	✓	
Wireline Job Summary		

OGCC Operator Number: 08985	Contact Name & Phone
Name of Operator: BONNEVILLE FUELS CORP.	Tom Bowman
Address: 1660 Lincoln Street, Suite 1800	No: 303 863-1555 x233
City: Denver State: CO Zip: 80264	Fax: 303 863-1558
API Number: 05- 103-09902	
Well Name: Federal Number: 16-24A-1N-103W	
Location (QtrQtr, Sec, Twp, Rng, Meridian): SESW Sec 16 T1N R103W 6th	
County: Rio Blanco Federal, Indian or State lease number: C-38440	
Field Name: Taiga Mountain Field Number: 80815	

[x] **Notice of Intent to Abandon** [x] **Subsequent Report of Abandonment**

Background for Intent Only

Reason for abandonment: [x] Dry [ ] Production Sub-economic [ ] Mechanical Problems [ ] Other
Casing to be pulled: [x] No [ ] Yes Top of casing cement:
Fish in hole: [x] No [ ] Yes If yes, explain details below:
Wellbore has uncemented casing leaks: [x] No [ ] Yes If yes, explain details below:
Details:

Current and Previously Abandoned Zones

Formation	Perforations	Date	Method of Isolation (None, Squeezed, BP, Cement, etc.)	Plug Depth
Castlegate		7/21/98	Cement	3570-3230'

Casing History

Casing String	Size	Cement Top	Stage Cement Top
Surface	9 5/8 741'	Surface	

Plugging Procedure for Intent and Subsequent Report

1. CIBP #1 Depth _____ CIBP #2 Depth _____ CIBP #3 Depth _____ NOTE: Two (2) sacks cement required on all CIBPs
2. Set 100 sks cmt from 3570 ft. to 3230 ft. in [ ] Casing [x] Open Hole [ ] Annulus
3. Set _____ sks cmt from _____ ft. to _____ ft. in [ ] Casing [ ] Open Hole [ ] Annulus
4. Set _____ sks cmt from _____ ft. to _____ ft. in [ ] Casing [ ] Open Hole [ ] Annulus
5. Set _____ sks cmt from _____ ft. to _____ ft. in [ ] Casing [ ] Open Hole [ ] Annulus
6. Set _____ sks cmt from _____ ft. to _____ ft. in [ ] Casing [ ] Open Hole [ ] Annulus
7. Perforate and squeeze @ _____ ft. with _____ SKS Leave at least 100 ft. in casing
8. Perforate and squeeze @ _____ ft. with _____ SKS Leave at least 100 ft. in casing
9. Perforate and squeeze @ _____ ft. with _____ SKS Leave at least 100 ft. in casing
10. Set 75 SKS 1/2 in 1/2 out surface casing from 635 ft. to 860 ft.
11. Set 25 SKS @ surface

Cut 4 feet below ground level, weld on plate Dry-Hole Marker [ ] No [x] Yes When welder finishes.
Set — SKS in rate hole * Set — SKS in mouse hole * Backfilled rat hole.

Additional Plugging Information for Subsequent Report Only

Casing recovered: — ft. of — in. casing Plugging date: 7/21/98
*Wireline contractor: Halliburton
*Cementing contractor: Dowell
Type of cement and additives used: Cl-G + 2% CaCl2
*Attach job summaries.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.
Print Name Thomas E. Bowman
Signed T Bowman Title: Operations Manager Colorado Date: 7/31/98

OGCC Approved: J Adkins Title: NORTHWEST AREA ENGINEER Date: AUG 25 1998
CONDITIONS OF APPROVAL, IF ANY:

Schlumberger
Dowell

Cementing Service Report

Customer	Job Number
BONNEVILLE FUELS CORPORATION	2215

Well	Location (legal)	Dowell Location	Job Start
FEDERAL 16-24A 16-24A	SEC16 T1N R103W	Vernal, UT	7/27/98

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
TAIGA MOUN		0 °	0 in	0 ft	0 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
RIO BLANKO	COLO	0 psi	0 °F	0 °F	0 psi/ft

Rig Name	Drilled For	Service Via

Offshore Zone	Well Class	Well Type
	New	Exploration

Drilling Fluid Type	Max. Density	Plastic Viscosity
	0 lb/gal	0 cp

Service Line	Job Type
Cementing	Plug & Abandon

Max. Allowed Tubing Pressure	Max. Allowed Ann. Pressure	WellHead Connection
110 psi	0 psi	2 7/8" 6.5# T/S

Service Instructions

SET PLUG AT BOTTOM OF SURFACE CASEING &AT SURFACE WITH 1 COMB &1ABT PUMP 5 BBL WATER AHEAD 75 SKS OF G+ 2% S1 15 BBL SLURRY AT15.8 PPG [YIELD 1.15] H20 4.97] & 25 SKS AT SURFACE

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
0	0	0		
0	0	0		

Tubing/Drill Pipe

Depth,	Size, in	Weight, lb/ft	Grade	Thread
738	2.875	6.5		
0				

Perforations/Open Hole

Top, ft	Bottom, ft	spf	No. of Shots	Total Interval
0	0	0	0	0 ft
0	0	0	0	Diameter
0	0	0	0	0 in

Treat Down	Displacement	Packer Type	Packer Depth
Tubing	3 bbl		0 ft

Tubing Vol.	Casing Vol.	Annular Vol.	OpenHole Vol
4.3 bbl	0 bbl	0 bbl	0 bbl

Casing/Tubing Secured ☐ 1 Hole Volume Circulated prior to Cementing ☐

Lift Pressure: psi

Pipe Rotated ☐ Pipe Reciprocated ☐

No. Centralizers:	Top Plugs:	Bottom Plugs:
0	0	0

Cement Head Type:

Job Scheduled For:	Arrived on Location:	Leave Location:
	7/27/98 15:00	7/27/98 18:30

Casing Tools		Squeeze Job	
Shoe Type:		Squeeze Type	
Shoe Depth:	0 ft	Tool Type:	
Stage Tool Type		Tool Depth:	0 ft
Stage Tool Depth:	0 ft	Tail Pipe Size:	0 in
Collar Type:		Tail Pipe Depth:	0 ft
Collar Depth:	ft	Sqz Total Vol:	0 bbl

Time 24 hr clock	Cum Vol bbl	Density ppg	Elapsed Time min	Pressure psi	Tot Flowrate bpm			Message
16:50	0	0	0	0	0	0	0	START ACQUISITION
16:50	0	0	0	0	0	0	0	START EDT
16:50	0	5	0	-3625	0	0	0	
16:50	0	0	0	0	0	0	0	PER JOB MEETING
16:50	0	15.42	.5059	482	0	0	0	Pressure test
16:50	0	0	0	0	0	0	0	
16:51	0	15.54	1.01	9.194	0	0	0	
16:51	0	15.49	1.514	9.194	0	0	0	
16:52	.7301	15.49	2.018	50.57	2.293	0	0	START WATER AHEAD
16:52	1.974	15.45	2.523	50.57	2.488	0	0	
16:53	3.222	15.47	3.027	50.57	2.46	0	0	
16:53	4.468	15.52	3.531	64.36	2.488	0	0	
16:54	5.714	15.37	4.035	73.55	2.488	0	0	START CEMENT
16:54	6.852	13.68	4.539	41.37	1.566	0	0	
16:55	7.678	15.99	5.043	41.37	1.678	0	0	
16:55	8.517	16.29	5.548	59.76	1.678	0	0	
16:56	9.363	16.28	6.052	59.76	1.678	0	0	
16:56	10.21	15.57	6.556	55.16	1.706	0	0	
16:57	11.07	16.42	7.061	55.16	1.678	0	0	
16:57	11.92	15.59	7.565	55.16	1.678	0	0	
16:58	12.8	15.9	8.07	55.16	1.734	0	0	
16:58	13.66	16.43	8.574	64.36	1.706	0	0	

Well	Field	Service Date	Customer	Job Number
FEDERAL 16-24A #16-24A	TAIGA MOUN		INEVILLE FUELS CORPOR/	2215

Time (24 hr clock)	GunVol (bbl)	Density (ppg)	Elapsed Time (min)	Pressure (psi)	TotFlowrate (bpm)			Message
16:59	14.54	15.95	9.077	64.36	1.734	0	0	
16:59	15.41	16.08	9.58	59.76	1.734	0	0	DENSITY CHECK 15.9
17:00	16.3	16.13	10.08	64.36	1.761	0	0	
17:00	17.19	15.91	10.59	64.36	1.789	0	0	
17:01	18.09	15.76	11.09	59.76	1.789	0	0	START DISPLACEMENT
17:01	18.99	16.33	11.59	68.95	1.789	0	0	
17:02	19.92	16.28	12.1	45.97	1.845	0	0	
17:02	20.85	16.25	12.6	45.97	1.873	0	0	
17:03	21.78	16.28	13.1	41.37	1.622	0	0	
17:03	21.83	16.3	13.61	13.79	0	0	0	SHUT DOWN 1st PLUG
17:04	0	0	0	0	0	0	0	STOP EDT
17:04	0	0	0	0	0	0	0	STOP ACQUISITION
17:24	0	0	0	0	0	0	0	START ACQUISITION
17:24	0	0	0	0	0	0	0	START EDT
17:24	21.83	5	0	-3825	0	0	0	
17:24	21.83	14.44	.5033	9.194	0	0	0	
17:25	21.83	14.66	1.007	9.194	0	0	0	
17:25	21.83	15.18	1.51	9.194	0	0	0	
17:26	22.4	15.31	2.013	27.58	1.789	0	0	START CEMENT 2nd PLUG
17:26	23.3	15.74	2.516	50.57	1.789	0	0	
17:27	24.2	15.37	3.019	50.57	1.789	0	0	
17:27	25.11	15.37	3.522	55.16	1.817	0	0	
17:28	26.02	16.03	4.026	59.76	1.845	0	0	
17:28	26.95	16.36	4.529	68.95	1.845	0	0	
17:29	27.88	16.57	5.032	73.55	1.873	0	0	
17:29	28.83	16.08	5.536	68.95	1.901	0	0	
17:30	29.78	15.98	6.039	55.16	1.901	0	0	START DISPLACEMENT
17:30	30.49	15.94	6.542	36.78	0	0	0	SHUT DOWN JOB COMPLETE
17:31	0	0	0	0	0	0	0	STOP EDT

Post Job Summary

Average Pump Rates, bpm

Slurry	N2	Mud	Maximum Rate
2	0	0	2.5

Volume of Fluid Injected, bbl

Total Slurry	Mud	Spacer	N2
20	0	5	0

Treating Pressure Summary, psi

Maximum	Final	Average	Bump Plug to	Breakdown
110	50	75	0	0

Breakdown Fluid

Type	Volume	Density
	0 bbl	0 lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement
0 %	0 bbl	3.5 bbl

☐ Cement Circulated to Surface? Volume 0 bbl

☐ Washed Thru Perfs To 0 ft

Customer or Authorized Representative	Dowell Supervisor		
ALEN MERRILL	Val Cook	☐ CirculationLost	☐ Job Completed

Schlumberger
Dowell

Cementing Service Report

Customer	Job Number
BONNEVILLE FUELS CORPORATION	20068542

Well	Location (legal)	Dowell Location	Job Start
FEDERAL 16-24A 16-24A		Vernal, UT	7/12/98

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
SOUTH WEST RANGELY		0 °	0 in	747 ft	747 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
RIO BLANCO	COLORADO COLORADO	0 psi	90 °F	85 °F	0 psi/ft

Rig Name	Drilled For	Service Via
	Oil	Land

Offshore Zone	Well Class	Well Type
	New	Development

Drilling Fluid Type	Max. Density	Plastic Viscosity
	0 lb/gal	0 cp

Service Line	Job Type
Cementing	Cem Surface Casing

Max. Allowed Tubing Pressure	Max. Allowed Ann. Pressure	WellHead Connection
350 psi	0 psi	9 5/8" CEMENT HE

Service Instructions

Cement into place, +/- 675' 9 5/8' 36# casing with 130 sks. Lead of 35/65 poz, 13.2 ppg., 1.61 cu. Ft./sk., 8.07 gal./sk.(37 bbls. Slurry). 105 sks. Tail at 15.8 ppg., 1.16 cu. Ft./sk., 4.95 gal./sk.(21.5 bbls. Slurry).

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
753	9.63	36	H40	8RD
0	0	0		

Tubing/Drill Pipe

Depth,	Size, in	Weight, lb/ft	Grade	Thread
0	0	0		
0	0	0		

Perforations/Open Hole

Top, ft	Bottom, ft	spf	No. of Shots	Total Interval
0	0	0	0	0 ft
0	0	0	0	Diameter
0	0	0	0	0 in

Treat Down	Displacement	Packer Type	Packer Depth
Casing	54.9 bbl		0 ft

Tubing Vol.	Casing Vol.	Annular Vol.	OpenHole Vol
0 bbl	58.2 bbl	42 bbl	0 bbl

Casing/Tubing Secured ☑	1 Hole Volume Circulated prior to Cementing ☐
Lift Pressure: 50 psi	
Pipe Rotated ☐	Pipe Reciprocated ☐

No. Centralizers:	Top Plugs:	Bottom Plugs:
5	1	0

Cement Head Type:	Single

Job Scheduled For:	Arrived on Location:	Leave Location:
	7/11/98 9:30	7/11/98 15:30

Casing Tools

Shoe Type:	Guide
Shoe Depth:	753 ft
Stage Tool Type:	
Stage Tool Depth:	0 ft
Collar Type:	Auto-Fill
Collar Depth:	711.35 ft

Squeeze Job

Squeeze Type	
Tool Type:	
Tool Depth:	0 ft
Tail Pipe Size:	0 in
Tail Pipe Depth:	0 ft
Sqz Total Vol:	0 bbl

Time 24 hr clock	Cum Vol bbl	Density ppg	Pressure psi					Message
12:15	0	0	0	0	0	0	0	START EDT
12:15	0	0	0	0	0	0	0	START ACQUISITION
12:15	0	8.889	-175.8	0	0	0	0	
12:15	0	0	0	0	0	0	0	Pre-job Safety Meeting
12:15	0	0	0	0	0	0	0	Pressure Test Lines
12:16	0	8.89	-175.8	0	0	0	0	
12:17	0	8.891	-175.7	0	0	0	0	
12:18	0	8.889	-175.8	0	0	0	0	
12:20	.2426	8.893	-184.3	0	0	0	0	
12:20	0	0	0	0	0	0	0	Start Pumping Water
12:21	4.167	8.89	-239	0	0	0	0	
12:22	7.585	8.889	-224.6	0	0	0	0	
12:23	10.96	8.824	-181.4	0	0	0	0	
12:25	13.25	8.894	-146.6	0	0	0	0	
12:26	13.73	8.89	-154.7	0	0	0	0	
12:27	15.65	8.891	-118.7	0	0	0	0	
12:28	16.78	8.889	-178.3	0	0	0	0	Cement Head Leaking
12:29	16.78	8.889	-222.4	0	0	0	0	
12:31	16.78	8.893	-212.8	0	0	0	0	
12:32	16.78	8.888	-208.1	0	0	0	0	
12:33	16.78	8.889	-207.3	0	0	0	0	
12:34	16.78	8.89	-203.5	0	0	0	0	

Well	Field	Service Date	Customer	Job Number
FEDERAL 16-24A #16-24A	SOUTH WEST RANGELY		NEVILLE FUELS CORPORAT	20068542

Time 24 hr clock	CumVol bbl	Density ppg	Pressure psi					Message
13:43	106.7	10.12	-155.3	0	0	0	0	
13:44	108.1	9.852	-188.3	0	0	0	0	Start Displacement
13:45	111.5	9.011	-237.9	0	0	0	0	
13:46	115.7	9.017	-213.2	0	0	0	0	
13:48	120.6	9.016	-199.7	0	0	0	0	
13:49	125.6	8.964	-185.4	0	0	0	0	
13:50	130.5	9.023	-136.5	0	0	0	0	
13:51	135.4	8.997	-77.48	0	0	0	0	
13:53	140.4	9.011	-30.73	0	0	0	0	
13:54	145.3	8.984	-.9974	0	0	0	0	
13:55	150.2	9.011	24.5	0	0	0	0	
13:56	155.1	9.008	39.72	0	0	0	0	Returns to Surface-7 bbls.
13:58	159.9	8.993	26.26	0	0	0	0	Drop Rate
13:59	162.8	9.017	35.52	0	0	0	0	Bump Plug/ 4bbls. Early
14:00	163.6	9.011	753.4	0	0	0	0	
14:01	163.6	9.01	-226.7	0	0	0	0	Float didn't hold
14:03	163.6	9.007	-222	0	0	0	0	
14:04	163.6	9.002	-217.4	0	0	0	0	
14:05	163.6	8.992	-217.4	0	0	0	0	
14:06	163.6	8.973	-217.4	0	0	0	0	
14:08	163.6	8.954	-217.4	0	0	0	0	
14:09	163.6	8.939	-215.5	0	0	0	0	
14:10	163.6	8.917	-212.8	0	0	0	0	
14:10	0	0	0	0	0	0	0	STOP EDT

Post Job Summary

Average Pump Rates, bpm

Slurry	N2	Mud	Maximum Rate
3	0	0	4

Volume of Fluid Injected, bbl

Total Slurry	Mud	Spacer	N2
65.6	0	50	0

Treating Pressure Summary, psi

Maximum	Final	Average	Bump Plug to	Breakdown
758	0	10	758	0

Breakdown Fluid

Type	Volume	Density
	0 bbl	0 lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement
0 %	0 bbl	54.9 bbl

☑ Cement Circulated to Surface? Volume 7 bbl

☐ Washed Thru Perfs To 0 ft

Customer or Authorized Representative	Dowell Supervisor		
ALAN MERRIL	Michael Lafferty	☐ CirculationLost	☑ Job Completed