

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver Colorado 80203 (303) 894-2100 Fax (303) 894-2109



FOR OGCC USE ONLY

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AUG 19 2004

COGCC



WELL ABANDONMENT REPORT

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

OGCC Operator Number: 63270	Contact Name & Telephone Terry R. Ziehl	24 hr 	
Name of Operator: Nielson & Associates, Inc.	No: (307) 587-2445 ext 15		
Address: P.O. Box 2850	Fax: (307) 527-4943	Tel: _____	
City: Cody State: WY Zip: 82414	Other wells this lease? <input checked="" type="checkbox"/> <input type="checkbox"/>		
API Number: 05-057-05105 OGCC Lease No.: _____	Well Name: McCallum Unit Well Number: #30		
Location (Qtr, Sec, Twp, Rng, Meridian): NW SE Sec 3-T9N-R79W 6th pm			
County: Jackson	Federal, Indian or State Lease Number: COD-0946		
Field Name: McCallum	Field Number: 53300		

Complete the Attachment Checklist

	Oper	OGCC
Wellbore Diagram		X
Cement Job Summary		X
Wireline Job Summary		X

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Reason for Abandonment: Dry Production Sub-Economic Mechanical Problems Other

Casing to be Pulled: Yes No Top of Casing Cement: Surface

Fish in Hole: Yes No If yes, explain details below:

Wellbore has Uncemented Casing Leaks: Yes No If yes, explain details below:

Details: _____

Current and Previously Abandoned Zones

Formation	Perforations		Date Abandoned	Method of Isolation (None, Squeezed, BP, Cement, etc.)	Plug Depth
	Top	Bottom			
Dakota/Lakota	5883'	5916'	6/29/04 - 7/22/04	Squeezed	4978'

Casing History

Casing String	Casing Size	Casing Depth	Cement Top	Stage Cement Top
Surface	8-5/8"	328'	Surface	
Production	5-1/2"	6090'	5220'	

Plugging Procedure for Intent and Subsequent Report

CIPB #1: Depth _____ with _____ sacks cmt on top. CIPB #2: Depth _____ with _____ sacks cmt on top.

Set 100 sks cmt from 4978' ft. to PBD ft. in Casing Open Hole Annulus

Set 133 sks cmt from ~4000' ft. to 4978' ft. in Casing Open Hole Annulus

Set 160 sks cmt from ~2700' ft. to 3300' ft. in Casing Open Hole Annulus

Set 175 sks cmt from 355 ft. to ??? ft. in Casing Open Hole Annulus

Set 235 sks cmt from 0 ft. to 355 ft. in Casing Open Hole Annulus

Perforate and squeeze at 3298' - 3302' ft. with See Attached sacks Leave at least 100 ft. in casing

Perforate and squeeze at 406' - 410' ft. with See Attached sacks Leave at least 100 ft. in casing

Perforate and squeeze at _____ ft. with _____ sacks Leave at least 100 ft. in casing

Set _____ sacks half in, half out surface casing from _____ ft. to _____ ft.

Set See Attached sacks at surface

Cut four feet below ground level, weld on Dry-Hole Marker: Yes No

Set 0 sacks in rat hole Set 0 sacks in mouse hole

NOTE: Two (2) sacks cement required on all CIBPs.

Additional Plugging Information for Subsequent Report Only

Casing Recovered: 0 ft. of 0 in. casing Plugging date: 6/29/04 - 7/22/04

*Wireline Contractor: Oil Well Perforators

*Cementing Contractor: Saniei

Type of Cement and Additives Used: Class G, 0.5% CFR, 3% CaCl (See Cement Tickets for Details)

*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: Terry R. Ziehl

Signed: Title: Engineering Technician Date: 08/17/04

OGCC Approved: _____ Title: PE Date: 9/7/2004

CONDITIONS OF APPROVAL, IF ANY:

**Remedial Cementing
Service Report**



**SERVICE TICKET
#9109647**

Client Name Nielson & Associates	Well Name McCallum 30	Job Date July 2, 2004
Client Representative Terry Ziehl	Well Location Sec 3 T9N-R79W	Job Type Abandonment Plugs



Well Data										
Description	Size (in)	Weight (lb/ft)	Grade	Max. Pres. (psi)	True Measured Depth		Deviation (degrees)	Capacity (bbl)	Packers and Workover Tools	
					Start (ft)	End (ft)			Type	TMD (ft)
Tubing	2.9	6.50			0.0	4,360.0				
Casing	5.5	14.00	J-55		0.0	5,467.0				
Casing	5.5	15.50	J-55		5,467.0	6,090.0				
Perforations					5,906.0	5,916.0				
					5,883.0	5,898.0				
Casing	8.6	24.00	J-55		0.0	328.0				

Formation Data									
Name	Type	Well Type	Temp (°F)	Pressure (psi)	Height (ft)		Permeability (mD)	Porosity (%)	
					Gross	Net			

Fluid and Cement Data									
Wellbore Fluid: Type:			Density: (lbs/gal)		Temp: (°F) Water:		Bulk:		Slurry:
#	Sacks	Volume (bbl)	Density (lbs/gal)	Description	Additives				
1	133.0	27.3	15.8	OWG	+ 0.60% CFL-1 + 0.50% CFR				

Fluid Compatibility Testing									
Acid Titration: (% HCL Equivalent)									
Stability:	N/A			Mesh Size:	Time at BHT:				
Iron Control (Live Acid):	N/A			Live Acid:	N/A				
Emulsion Break Time:	Live:				Spent Acid:	N/A			
	Spent:								
Testing Witnessed by: (Oil Company Representative)									

* Detailed protocols for Sanjel's compatibility tests are available on request.

**Remedial Cementing
Service Report**



**SERVICE TICKET
#9109647**

Client Name Nielson & Associates	Well Name McCallum 30	Job Date July 2, 2004
Client Representative Terry Ziehl	Well Location Sec 3 T9N-R79W	Job Type Abandonment Plugs

Treatment Report Data

Event #	Time	Pressure (psi)		Rate (bbl/min)	Stage Vol.(bbl)	Total Vol.(bbl)	Injected in Formation (bbl)	Description & Remarks
		Tubular	Annular					
1	Jul 2, 04 06:30							Arrive on location
2	Jul 2, 04 10:03							Safety meeting
3	Jul 2, 04 10:08	2,000.00						Pressure test
4	Jul 2, 04 10:13	200.00		3.00				Start fresh H2O spacer
5	Jul 2, 04 10:18	200.00		3.00	10.00	10.00		Continue fresh H2O spacer
6	Jul 2, 04 10:18	200.00		3.00	27.30	37.30		Mix & pump OWG + additives @ 15.8lb/gal
7	Jul 2, 04 10:28	300.00		3.00				Start displacement / Fresh H2O
8	Jul 2, 04 10:34	0.00		0.00	18.00	55.30		Shut down / Displacement well on a vacuum balanced plug
9	Jul 2, 04 10:35	0.00						Rig off well / Put 18 joints
10	Jul 2, 04 10:35	0.00						Rig into well
11	Jul 2, 04 11:00	75.00		1.00	1.50	56.80		Start squeeze on cement plug
12	Jul 2, 04 11:02	150.00		1.00	3.00	58.30		Squeeze cement
13	Jul 2, 04 11:05	375.00		1.00	6.50	61.80		Increase in pressure
14	Jul 2, 04 11:06	450.00		0.50	7.50	62.80		Slow rate
15	Jul 2, 04 11:07	500.00		0.50	8.00	63.30		Increase in pressure
16	Jul 2, 04 11:11	500.00		0.50	10.20	65.80		Continue squeeze
17	Jul 2, 04 11:13	475.00		0.50	12.72	67.80		Pressure drop
18	Jul 2, 04 11:15	480.00		0.50	13.50	68.80		Pressure increase
19	Jul 2, 04 11:19	425.00		0.00	15.50	70.80		Shut down squeeze
20	Jul 2, 04 11:19	425.00						ISIP
21	Jul 2, 04 11:20	400.00						
22	Jul 2, 04 11:25	350.00						5 minutes / ISIP
23	Jul 2, 04 11:40	260.00						
24	Jul 2, 04 12:33	150.00						
25	Jul 2, 04 12:40	0.00						Open back side to rig tank
26	Jul 2, 04 12:41	100.00		2.00				Start circulation to surface tank
27	Jul 2, 04 12:42	100.00		2.00	2.00	72.80		Continue circulation
28	Jul 2, 04 12:45	100.00		2.00	6.00	76.80		Continue circulation
29	Jul 2, 04 12:47	100.00		2.00	10.00	8,038.00		Continue circulation
30	Jul 2, 04 12:47	0.00						Shut down

SAM Card #: 4427C Start: 11800 Finish: 10355

**Remedial Cementing
Service Report**



**SERVICE TICKET
#9109648**

Client Name Nielson & Associates	Well Name McCallum 30	Job Date July 1, 2004
Client Representative Terry Ziehl	Well Location Sec 3 T9N-R79W	Job Type Abandonment Plugs

Well Data										
Description	Size (in)	Weight (lb/ft)	Grade	Max. Pres. (psi)	True Measured Depth		Deviation (degrees)	Capacity (bbl)	Packers and Workover Tools	
					Start (ft)	End (ft)			Type	TMD (ft)
Tubing	2.4	4.70			4,257.9	4,977.9			Cement Retainer	4,977.9
Tubing	2.9	6.50			0.0	4,257.9				
Casing	5.5	14.00	J-55		0.0	5,467.0				
Casing	5.5	15.50	J-55		5,467.0	6,090.0				
Perforations					5,906.0	5,916.0				
Perforations					5,883.0	5,898.0				
Casing	8.6	24.00	J-55		0.0	328.0				

Formation Data								
Name	Type	Well Type	Temp (°F)	Pressure (psi)	Height (ft)		Permeability (mD)	Porosity (%)
					Gross	Net		

Fluid and Cement Data						
Wellbore Fluid: Type: Brine		Density: (lbs/gal) 916		Temp: (°F) Water:		Bulk: Slurry:
#	Sacks	Volume (bbl)	Density (lbs/gal)	Description	Additives	
1	100.0	20.5	15.8	OWG	+ 0.60% CFL-1 + 0.50% CFR	

Fluid Compatibility Testing			
Acid Titration: (% HCL Equivalent)			
Stability:	N/A	Mesh Size:	Time at BHT:
Iron Control (Live Acid):	N/A	Live Acid:	N/A
Emulsion Break Time:	Live:	Spent Acid:	N/A
	Spent:		
Testing Witnessed by: (Oil Company Representative)			

* Detailed protocols for Sanjel's compatibility tests are available on request.

**Remedial Cementing
Service Report**



**SERVICE TICKET
#9109648**

Client Name Nielson & Associates	Well Name McCallum 30	Job Date July 1, 2004
Client Representative Terry Ziehl	Well Location Sec 3 T9N-R79W	Job Type Abandonment Plugs

Treatment Report Data

Event #	Time	Pressure (psi)		Rate (bbl/min)	Stage Vol.(bbl)	Total Vol.(bbl)	Injected in Formation (bbl)	Description & Remarks	
		Tubular	Annular						
1	Jul 1, 04 06:30							Arrive on location	
2	Jul 1, 04 08:30							Safety meeting	
3	Jul 1, 04 08:50	2,200.00						Pressure test	
4	Jul 1, 04 08:59	1,200.00		2.00	2.00			Establish injection rate	
5	Jul 1, 04 09:00	900.00		2.00	2.00	4.00		Pressure drop	
6	Jul 1, 04 09:00	1,200.00		3.00	9.00	13.00		Increase rate	
7	Jul 1, 04 09:03	1,800.00		3.00	10.00	23.00		Fresh H2O spacer ahead	
8	Jul 1, 04 09:07	1,700.00		3.00	20.50	43.50		Mix & pump OWG + additives @ 15.8lb/gal	
9	Jul 1, 04 09:14	600.00		3.00	20.00	63.50		Start displacement	
10	Jul 1, 04 09:21	2,000.00		1.50	6.80	70.30		Slow rate	
11	Jul 1, 04 09:25	2,400.00		0.00				Shut down / Sting out / Left 2.0bbls cement in tubing	
12	Jul 1, 04 09:26	2,000.00						Won't sting out	
13	Jul 1, 04 09:35	0.00						Still won't sting out	
14	Jul 1, 04 10:52	1,500.00		1.50	1.00	71.30		Displace tubing / Only got 1.0bbl away pressured up / Shut down	
15	Jul 1, 04 11:02	300.00		1.00	5.00	76.30		Tried to reverse out / Would not reverse out / But fluid going somewhere	
16	Jul 1, 04 11:30							Wash pump truck to rig tank	
17	Jul 1, 04 18:40							Rig back in after wireline	
18	Jul 1, 04 18:49	50.00		1.50				Start injection rate	
19	Jul 1, 04 18:51	450.00		2.00	3.00	3.00		Increase rate	
20	Jul 1, 04 18:53	600.00		2.00	5.00	8.00		Increase in pressure	
21	Jul 1, 04 18:55	575.00		2.00	4.00	12.00		Increase in pressure	
22	Jul 1, 04 18:56	650.00		2.50	2.00	14.00		Increase rate	
23	Jul 1, 04 19:00	825.00		3.00	13.00	27.00		Increase rate	
24	Jul 1, 04 19:02	900.00		3.50	5.00	32.00		Increase rate	
25	Jul 1, 04 19:04	975.00		4.00	6.00	38.00		Increase rate	
26	Jul 1, 04 19:06	900.00		4.00	8.00	46.00		Decrease in pressure	
27	Jul 1, 04 19:07	1,075.00		4.90	7.00	53.00		Increase rate	
28	Jul 1, 04 19:09	1,175.00		4.90	11.00	64.00		Increase in pressure	
29	Jul 1, 04 19:11	1,150.00		4.90	9.00	75.00		Decrease in pressure	
30	Jul 1, 04 19:14	1,150.00		4.90	13.00	88.00		Continue injection rate	
31	Jul 1, 04 19:18	400.00		0.00		103.00		Shut down	
							SAM Card #: 4427	Start: 13079	Finish: 11810

**Remedial Cementing
Service Report**



**SERVICE TICKET
#9109649**

Client Name Nielson & Associates	Well Name McCallum 30	Job Date July 6, 2004
Client Representative Terry Ziehl	Well Location Sec 3 T9N-R79W	Job Type Abandonment Plugs

Well Data										
Description	Size (in)	Weight (lb/ft)	Grade	Max. Pres. (psi)	True Measured Depth		Deviation (degrees)	Capacity (bbl)	Packers and Workover Tools	
					Start (ft)	End (ft)			Type	TMD (ft)
Tubing	2.9	6.50			0.0	3,300.0				
Casing	4.5	14.00	J-55		0.0	5,467.0				
Casing	8.6	24.00	J-55		0.0	328.0				
Casing	4.5	15.50	J-55		5,467.0	6,090.0				

Formation Data									
Name	Type	Well Type	Temp (°F)	Pressure (psi)	Height (ft)		Permeability (mD)	Porosity (%)	
					Gross	Net			

Fluid and Cement Data									
Wellbore Fluid: Type:			Density: (lbs/gal)		Temp: (°F) Water:		Bulk:		Slurry:
#	Sacks	Volume (bbl)	Density (lbs/gal)	Description	Additives				
1	160.0	32.8	15.8	OWG	+ 0.60% CFL-1 + 0.50% CFR				

Fluid Compatibility Testing									
Acid Titration: (% HCL Equivalent)									
Stability:	N/A			Mesh Size:	Time at BHT:				
Iron Control (Live Acid):	N/A			Live Acid:	N/A				
Emulsion Break Time:	Live:				Spent Acid:	N/A			
	Spent:								
Testing Witnessed by: (Oil Company Representative)									

* Detailed protocols for Sanjel's compatibility tests are available on request.

**Remedial Cementing
Service Report**



**SERVICE TICKET
#9109649**

Client Name Nielson & Associates	Well Name McCallum 30	Job Date July 6, 2004
Client Representative Terry Ziehl	Well Location Sec 3 T9N-R79W	Job Type Abandonment Plugs

Treatment Report Data

Event #	Time	Pressure (psi)		Rate (bbl/min)	Stage Vol.(bbl)	Total Vol.(bbl)	Injected in Formation (bbl)	Description & Remarks
		Tubular	Annular					
1	Jul 6, 04 10:30							Arrive on location
2	Jul 6, 04 13:10							Safety meeting
3	Jul 6, 04 13:13							Pressure test
4	Jul 6, 04 13:22	170.00		1.00	1.00			Start injection rate
5	Jul 6, 04 13:23	350.00		0.50	1.00	2.00		Slow rate / Pressure increase
6	Jul 6, 04 13:27	350.00		0.50	2.50	4.50		Continue injection rate / Try to establish circulation
7	Jul 6, 04 13:29	300.00		0.50	1.00	5.50		Shut down
8	Jul 6, 04 13:30							Switch back side over / Mix CFL
9	Jul 6, 04 14:18	0.00		2.00				Start fresh H2O for balance plug
10	Jul 6, 04 14:19	180.00		2.00	1.00	6.50		Continue fresh spacer
11	Jul 6, 04 14:20	275.00		3.00	4.00	10.50		Increase rate
12	Jul 6, 04 14:22	300.00		3.00	8.00	14.50		Continue fresh spacer
13	Jul 6, 04 14:24	300.00		3.00	10.00	16.50		Finish spacer
14	Jul 6, 04 14:24	300.00		3.00				Start OWG + additives @ 15.8lb/gal
15	Jul 6, 04 14:30	0.00		3.00	18.00	34.50		Continue cement
16	Jul 6, 04 14:35	0.00		3.00	32.80	49.30		Finish cement
17	Jul 6, 04 14:35	0.00		3.00				Start displacement
18	Jul 6, 04 14:36	0.00		3.00	3.00	52.30		Continue displacement / Fresh H2O
19	Jul 6, 04 14:38	0.00		3.00	10.00	59.30		Shut down well on a suck balanced plug
20	Jul 6, 04 14:38							Rig off well / Rig POH 45 joints
21	Jul 6, 04 15:19	0.00		1.50	1.50	60.80		Start squeeze into prod annular
22	Jul 6, 04 15:21	100.00		2.00	4.50	63.80		Increase rate
23	Jul 6, 04 15:23	250.00		1.70	6.50	65.80		Slow rate
24	Jul 6, 04 15:23	350.00		1.00	7.00	66.30		Slow rate
25	Jul 6, 04 15:26	300.00		1.00	10.00	69.30		Pressure bouncing from 300.0psi - 400.0psi
26	Jul 6, 04 15:30	350.00		1.00	14.00	73.30		Continue squeeze
27	Jul 6, 04 15:32	400.00		1.00	16.00	75.30		Continue squeeze
28	Jul 6, 04 15:34	0.00		0.00	18.00			Shut down
29	Jul 6, 04 15:35							Switch over to prod back side
30	Jul 6, 04 15:40			2.00				Start brine spacer
31	Jul 6, 04 15:41	150.00		2.00	2.00	77.30		Continue spacer
32	Jul 6, 04 15:43	375.00		2.00	7.50	82.80		Continue spacer
33	Jul 6, 04 15:44	300.00		1.50	9.00	84.30		Slow rate
34	Jul 6, 04 15:46	300.00		1.40	11.00	86.30		Continue spacer
35	Jul 6, 04 15:50	350.00		1.40	17.50	92.80		Continue spacer
36	Jul 6, 04 15:52	350.00		1.40	20.00	95.30		Continue spacer
37	Jul 6, 04 15:55	400.00		1.40	25.00	100.30		Continue spacer
38	Jul 6, 04 15:56	400.00		1.00	26.50	101.80		Slow rate
39	Jul 6, 04 15:58	300.00		1.00	30.00	105.30		Continue spacer

**Remedial Cementing
Service Report**



**SERVICE TICKET
#9109650**

Client Name Nielson & Associates	Well Name McCallum 30	Job Date July 7, 2004
Client Representative Terry Ziehl	Well Location Sec 3 T9N-R79W	Job Type Plug to Abandon

Well Data										
Description	Size (in)	Weight (lb/ft)	Grade	Max. Pres. (psi)	True Measured Depth		Deviation (degrees)	Capacity (bbl)	Packers and Workover Tools	
					Start (ft)	End (ft)			Type	TMD (ft)
Tubing	2.9	6.50			0.0	355.0			Cement Retainer	355.0
Casing	5.5	14.00	J-55		0.0	546.0				
Casing	5.5	15.50	J-55		5,467.0	6,090.0				
Perforations/OH					406.0	410.0				
Casing	8.6	24.00	J-55		0.0	328.0				

Formation Data								
Name	Type	Well Type	Temp (°F)	Pressure (psi)	Height (ft)		Permeability (mD)	Porosity (%)
					Gross	Net		

Fluid and Cement Data						
Wellbore Fluid: Type:		Density: (lbs/gal)		Temp: (°F) Water:		Bulk: Slurry:
#	Sacks	Volume (bbl)	Density (lbs/gal)	Description	Additives	
1	185.0	37.9	15.8	OWG	+ CaCl2 + 0.50% CFR	
2	40.0	8.2	15.8	OWG	+ 0.50% CFR	

Fluid Compatibility Testing			
Acid Titration:	(% HCL Equivalent)		
Stability:	N/A	Mesh Size:	Time at BHT:
Iron Control (Live Acid):	N/A	Live Acid:	N/A
Emulsion Break Time:	Live:	Spent Acid:	N/A
	Spent:		
Testing Witnessed by: (Oil Company Representative)			

* Detailed protocols for Sanjel's compatibility tests are available on request.



**Remedial Cementing
Service Report**

**SERVICE TICKET
#9112001**

Client Name Nielson & Associates	Well Name McCallum 30	Job Date July 8, 2004
Client Representative Terry Ziehl	Well Location Sec 8 T9N-R78W	Job Type Abandonment Plugs

Well Data										
Description	Size (in)	Weight (lb/ft)	Grade	Max. Pres. (psi)	True Measured Depth		Deviation (degrees)	Capacity (bbl)	Packers and Workover Tools	
					Start (ft)	End (ft)			Type	TMD (ft)
Tubing	2.4	4.70							Cement Retainer	450.0
Casing	9.6	36.00	K-55		0.0	425.0				
	7.0	20.00	J-55		0.0	4,162.0				
Perforations/OH					480.0	484.0				

Formation Data									
Name	Type	Well Type	Temp (°F)	Pressure (psi)	Height (ft)		Permeability (mD)	Porosity (%)	
					Gross	Net			

Fluid and Cement Data									
Wellbore Fluid: Type:			Density: (lbs/gal)		Temp: (°F) Water:			Bulk:	Slurry:
#	Sacks	Volume (bbl)	Density (lbs/gal)	Description	Additives				
1	50.0	10.3	15.8	OWG	+ 0.50% CFR				
2	185.0	38.0	15.8	OWG	+ CaCl2 + 0.50% CFR				

Fluid Compatibility Testing									
Acid Titration:		(% HCL Equivalent)							
Stability:	N/A			Mesh Size:	Time at BHT:				
Iron Control (Live Acid):	N/A			Live Acid:	N/A				
Emulsion Break Time:	Live:				Spent Acid:	N/A			
	Spent:								
Testing Witnessed by: (Oil Company Representative)									

* Detailed protocols for Sanjel's compatibility tests are available on request.

**Remedial Cementing
Service Report**



**SERVICE TICKET
#9112001**

Client Name Nielson & Associates	Well Name McCallum 30	Job Date July 8, 2004
Client Representative Terry Ziehl	Well Location Sec 8 T9N-R78W	Job Type Abandonment Plugs

Treatment Report Data

Event #	Time	Pressure (psi)		Rate (bbl/min)	Stage Vol.(bbl)	Total Vol.(bbl)	Injected in Formation (bbl)	Description & Remarks
		Tubular	Annular					
33	Jul 8, 04 17:08	0.00						Pump while stung out with pressure
34	Jul 8, 04 17:09	0.00			1.00	173.80		Continue pumping with pressuring down
35	Jul 8, 04 17:10	0.00			2.00	175.80		Tubing up surface / Prod back side
36	Jul 8, 04 17:12				2.00	177.80		Shut down / Established circulation between tubing & surface / Prod back side
37	Jul 8, 04 17:17	50.00		0.50	1.50	179.30		Pump down prod. up
38	Jul 8, 04 17:18			2.00				Surface / Prod. back side
39	Jul 8, 04 17:19	50.00		2.00	1.50	180.80		Increase rate
40	Jul 8, 04 17:20	30.00		3.00	1.50	182.30		Increase rate
41	Jul 8, 04 17:22	100.00		3.00	7.00	189.30		Continue pumping
42	Jul 8, 04 17:25	0.00		0.00	8.30	197.60		Shut down
43	Jul 8, 04 18:33	100.00		3.00	3.00	200.60		Start cement
44	Jul 8, 04 18:40	100.00		3.00	8.00	208.60		Broke circulation with cement
45	Jul 8, 04 18:44	500.00		3.00	12.00	220.60		Mix & pump OWG + additives @ 15.8lb/gal
46	Jul 8, 04 18:49	0.00		0.00	38.00	235.60		Shut down / Good cement to surface
47	Jul 8, 04 18:55	0.00						Wash pump
1	Jul 8, 04 10:00							Arrive on location
2	Jul 8, 04 12:20							Safety meeting
3	Jul 8, 04 12:25	100.00		1.50	3.00			Fill lines
4	Jul 8, 04 12:27	2,200.00						Pressure test lines
5	Jul 8, 04 12:30	750.00		3.50	5.00	8.00		Start brine spacer
6	Jul 8, 04 12:31	0.00						Shut down swedge leaking
7	Jul 8, 04 12:33	725.00		3.60	9.00	17.00		Continue brine spacer
8	Jul 8, 04 12:38	200.00		3.50	15.00	32.00		Continue brine spacer
9	Jul 8, 04 12:40	200.00		3.50	8.00	40.00		Continue brine spacer
10	Jul 8, 04 12:45	0.00			15.00	55.00		Shut down / End brine spacer
11	Jul 8, 04 12:45							POH 44 joints
12	Jul 8, 04 13:27			1.50				Fresh H2O spacer ahead
13	Jul 8, 04 13:28	0.00		1.50	2.00	57.00		Continue fresh spacer
14	Jul 8, 04 13:31	450.00		3.00	10.30	67.30		Mix & pump OWG + additives @ 15.8lb/gal
15	Jul 8, 04 13:35	0.00		1.50				Start displacement / Fresh H2O
16	Jul 8, 04 13:39	0.00		0.00	8.50	75.80		Shut down / Balanced plug
17	Jul 8, 04 13:40							POH 8 joints
18	Jul 8, 04 13:53	200.00		1.50	1.00	76.80		Start brine spacer
19	Jul 8, 04 13:55	450.00		3.00	2.50	79.30		Increase rate
20	Jul 8, 04 14:00	450.00		3.50	9.20	98.80		Increase rate
21	Jul 8, 04 14:05	500.00		3.50	18.00	116.80		Increase pressure
22	Jul 8, 04 14:10	475.00		3.50	18.00	134.80		Continue brine spacer
23	Jul 8, 04 14:16	475.00		3.50	22.00	156.80		Continue brine spacer
24	Jul 8, 04 14:20	0.00		0.00	14.00	170.80		Shut down brine spacer



CHARGE TO NIELSON & ASSOCIATES INC. TRUCK NO. 350
 ADDRESS P.O. BOX 2850, COOK WY 80414
 FIELD McCALLUM WELL McCALLUM # 30
 COUNTY JACKSON STATE COLORADO CUST. NO. _____

TO OIL WELL PERFORATORS, INC. CONDITIONS OF THIS CONTRACT
 You are hereby requested to furnish the service and materials and equipment herein set forth upon the back side of this service ticket and invoice as well as general terms and conditions outlined in your current published price manual.
 Received the below services according to the terms and conditions as shown above, which we have read and which we hereby agree.

CUSTOMER MR. TERRY ZIEHL AGENT [Signature] DATE 6-29-04

SUPERVISOR: <u>ATKINSON-COUGHLIN</u>				PERFORATING INTERVALS			
CREW: <u>D-SLAWYAKER</u>				SHOTS	FROM	TO	
CSG <u>2 7/8" 65" TBG</u> ZERO <u>10' A.G.L.</u>							
FLUID LEVEL <u>N/A</u>							
CO. TD <u>OWPTD 5020'</u>							
DEPTHS REFER TO: <u>K.B.</u>				AMOUNT			PRICE PAGE
SERVICE CHG. <u>6-29-04 26-30-04</u>				<u>1500.00</u>			<u>3-1A</u>
HOIST TRUCK MILES (RT) <u>420-150=270</u>				<u>540.00</u>			<u>3-2B</u>
PERF. TYPE				TOTAL SHOTS			
SERVICES				FROM	TO	TOTAL	
<u>FREE POINT</u>				<u>0</u>	<u>5020</u>	<u>5020</u>	<u>1700.00 13-1</u>
<u>CHEMICAL CUTTER</u>				<u>0</u>	<u>4982</u>	<u>4982</u>	<u>2000.00 13-3A</u>
DEPTH CHARGE							
OPERATION CHARGE				<u>BEST IMAGE AVAILABLE</u>			
PRESSURE CONTROL PSI							
<u>2 7/8" SWIVEL W/PUMP SUB</u>				<u>345</u>			<u>00 3-5A</u>
<u>PICKUP TRUCK MILES (RT) 420</u>				<u>840</u>			<u>00 3-2D</u>
<u>STANDBY TRUCK AND CREW 3HRS</u>				<u>900</u>			<u>00 3-3A</u>
<u>1 3/4" O.D. SEVERING HEAD</u>				<u>420</u>			<u>00 13-3B</u>
<u>STANDBY TRUCK & CREW 6-30-04 3-1=2</u>				<u>600</u>			<u>00 3-3A</u>
<u>CREW EXPENSES 3 MEN</u>				<u>600</u>			<u>00 4-11</u>
OTHER CHARGE							
SUB TOTAL							<u>9445.00</u>
OTHER UNITS: <u>363-382</u>				STATE <u>COLORADO</u>			TAX %
LOCATION: SEC <u>9</u> TWP <u>9</u> RGE <u>10 1/2</u>				TOTAL			

Nielson & Associates, Inc.
McCallum Unit #30
Plug and Abandon Report

LEASE DESCRIPTION: McCallum # 30
API: 05-057-05105
FIELD: McCallum Unit
LOCATION: 1400' FSL & 300' FWL Sec 3-T9N-R79W
COUNTY/STATE: Jackson County, Colorado
ELEVATION: 8081' GL 8091' KB

*** - ALL DEPTHS IN THIS REPORT ARE KB.**

06/29/04 (TZ) MIRU Excell pulling unit. Disconnected pitman arms from unit to get out of the way of standing back tubing in the derrick. ND wellhead. Could see fish looking up in the casing. Fish was somewhat oval in shape. NU 7-1/16", 3K BOPE. Hauled in flat tank for circulating and filled with 60 bbl fresh water. Weatherford fishing hand and Oil Well Perforators (OWP) arrived on location. PU 1 it 2-7/8" tubing and overshot. Latched onto fish after numerous attempts. Pulled up on tubing and attempted to turn to the right to release the packer or tubing hanger. Tubing wouldn't release. Worked tubing up and down to try to work free. Pulled tubing weight (37,000 lbs.) and then 10,000 lbs. over for stretch measurement to determine approximate free point. RU OWP free point tools and RIH. Pipe was free at 5000'. Worked down to 5025' but couldn't get any deeper. Assumed this was possibly a seating nipple. POH with free point tools. Tried to wok pipe free by pulling 29,000 lbs over and turning to the right. Pipe would not come free. Decided to chemical cut tubing. SDFN.

06/30/04 (TZ) MIRU OWP to chemical cut tubing. Filled tubing with fresh water while RIH with tools. Got to free point at 4982'. PU 10,000 lbs over string weight and fired cutter. Tubing didn't come free. POH with chemical cutter. Cutter fired. Attempted to work free by pulling 47,000 to 52,000 lbs over. After working up and down numerous times, the tubing came free. POH standing back tubing in the derrick. Several jts had severely corroded boxes. Stood back a total of 71 stands and LD 16 jts with bad boxes. RIH with 4-3/4" bit and scraper to 4971' KB. POH with bit and scraper. RIH with cement retainer on the end of tubing. Set retainer at 4978' KB. SDFN.

07/01/04 (TZ) MIRU Sanjel cementers. MI vac truck loaded with 9 ppg brine and vac truck loaded with city water. Held pre-job safety meeting with all personnel on location. Pressure tested lines to 2200 psi. Started pumping water to fill tubing and casing below retainer (2 bbl). Pressure went to 900 psi then dropped to 400 psi while filling tubing. Pumped 20 more bbl water to establish pump in rate. Pumping at 3 bpm and 1350 - 1600 psi. Started pumping 15.5 ppg Class G cement with additives. Pressure averaged 600 psi and dropped to 300 psi when went to displacement. Pumped 100 sx cement. While displacing cement, pressure increased to 2400 psi but couldn't shut down before casing apparently blew out above retainer. Attempted to sting out of retainer but couldn't. Started getting flow up casing. Tried to pump down tubing but couldn't. Tried to pump down casing but couldn't. Worked tubing up and down to try to unsting from retainer but couldn't. Continued working up and down while waiting on free point tools and chemical cutter. OWP arrived at 3:15 pm. RIH with free point tools and found free point at 4365'. POH with free point tools and RIH with jet cutter. Cut tubing at 4365'. Tubing came free. RU Sanjel to establish circulation down casing and up backside. Pumped a total of 100 bbl away when started getting slight blow at surface. SD pumps and SDFN.

07/02/04 (TZ) Wait on orders from Cody office. SITP - 0 psi, SICP - 50 psi. Pressure bled off immediately. RU Sanjel to tubing. Held pre-job safety meeting. Pressure checked lines to 2000 psi. Pumped 10 bbl water ahead of 133 sacks of Class G cement at 3 bpm and 275 - 50 psi. Displaced cement with Walden city water. Full returns throughout job. POH standing back 18 stands. Shut pipe rams and squeezed at 1 bpm and 0 psi. Pressure increased to 300 psi so brought rate down to 0.5 bpm. . Pressure leveled off at 500 psi. SI well. Waited for 70 minutes for pressure to bleed down while well was shut in. Slowly opened backside and tubing and pressure bled

off to 0 psi. Pumped 10 bbl 9 ppg brine to 3300'. RD Sanjel and monitored tubing and backside. Tubing and backside equalized. POH standing back 35 more stands for a total of 3300' in the derrick. POH LD the remainder of tubing. MIRU OWP. RIH with 4' x 3-1/8" perforating guns loaded 4 spf. RIH to 3300' and shoot squeeze holes from 3298' - 3302'. POH with guns. All shots fired and round. RDMO OWP and SDFWE.

07/06/04 (TZ) RIH to 3300'. RU Sanjel to tubing. Closed pipe rams, opened surface casing, and began pumping. Pumped 10 bbl water at 1 bpm and 250 - 0 psi. Pumped 10 bbl water spacer followed by 160 sacks of Class G cement with additives. Full returns throughout. POH LD tubing to 1922'. Closed pipe rams, closed casing valves, and opened surface casing valves. Squeezed with 18.5 bbl brine at 1 bpm and 0 - 450 psi. Had no returns from casing valve. Opened casing valve and pumped 36 more bbl 9 ppg brine for the remainder of spacer. RD Sanjel from tubing to let equalize. POH LD all tubing. MIRU OWP and RIH with 4' x 3-1/8" perforating guns to 406'. Shot squeeze holes at 406' - 410'. POH with guns. All shots fired and round. RIH with cement retainer on wireline. Set retainer at 355'. POH with setting tools. RDMO OWP and SDFN.

07/07/04 (TZ) RIH with stinger on the end of 12 jts tubing. Sting into retainer. Held pre-job safety meeting. Pressure tested lines to 2000 psi. Started pumping water down tubing and up production casing/surface casing annulus at 1.5 bpm and 150 psi. Broke circulation after 3.5 bbl. Increased rate to 2.5 bpm and 175 psi. Pumped 45 bbl to clean u. Pumped 10 bbl city water spacer followed by 36 bbl Class G cement to surface. Stung out of retainer and pumped cement to surface. Displaced tubing with 1.5 bbl water. POH LD tubing.

(BW) Cut off casing 4 feet below ground level. Cement fell ~50 feet. Will call out ready mix truck later.

07/22/04 (BW) Topped off casing with approximately 15 sacks of cement. Welded plate on casing with appropriate information. Back filled hole.

FINAL REPORT

McCallum Unit #30
 1400' FSL, 300' FWL, (NW/SW), Sec. 3, T9N. R79W, 6th P.M.
 Jackson County, Colorado
 API # 05-057-05105
 P & A'd Wellbore Diagram

8091' KB
 8081' GL

8-5/8", 24#, J-55, set at 328' KB, in a 12-1/4" hole, cemented to surface w/400 sx.

Cement Retainer at 355'

Squeeze Holes at 406' - 410'

1000 ft

9 ppg Brine From Top of 2nd Squeeze

2000 ft



01129806



3000 ft

Balanced 160 sx Class G Cement And Squeezed (3rd) With 18.5 bbl Water

Squeeze Holes From 3298' - 3302' KB

9 ppg Brine From Top of 2nd Squeeze to 3300' KB

4000 ft

Balanced 133 sx Cement and Squeezed (2nd) Into Probable Holes in Casing From 1st Squeeze

Top of Tubing Fish at 4365' KB

Niobrara - 4597' KB

Probable Holes in Casing From 1st Squeeze

TOC @ 4950' KB (Temp Survey)

Cement Retainer at 4978' KB

Top of Tubing Fish at 4984' KB

5000 ft

Frontier - 5224' KB

100 sx Cement Under Retainer, Around Tubing Fish, and Into Perforations

Muddy - 5751' KB

Dakota - 5861' KB

Lakota - 5872' KB

6000 ft

Lakota Perfs

5883' - 5898' 4 spf

5906' - 5916' 4 spf

5-1/2", 14# & 15.5#, set at 6090' KB, in a 7-7/8" hole, cemented w/ 200 sx.

PBTD @ 6053' KB

TD @ 6090' KB

Updated August 13, 2004