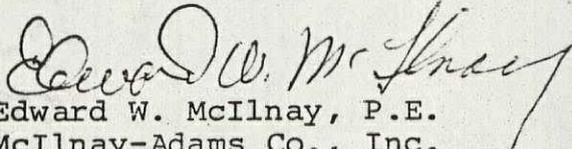


CASING AND CEMENTING REPORT

MARTIN OIL SERVICES, INC.

Gregorson #1-12  
NE/4 Section 12-T2N-R68W  
Weld County, Colorado

  
Edward W. McIlnay, P.E.  
McIlnay-Adams Co., Inc.  
Casper, Wyoming

304924

CASING AND CEMENTING REPORT

OPERATOR: Martin Oil Services, Inc.  
WELL: Gregorson #1-12  
LOCATION: NE/4 Section 12-T2N-R68W  
Weld County, Colorado

10-12-73

Drilling and preparing to log.

10-13-73

Logging and preparing to run production casing.

10-14-73

Began running 5 1/2" production casing @ 11 a.m.  
Finished running 5 1/2" production casing @ 3 p.m.

Ran the following casing string:

1 - 5 1/2" Baker Differential Fill Shoe	1.20'
1 - Jt 5 1/2", 17#/ft, K55, LT&C, "B" Grade	32.80
1 - 5 1/2" Baker Differential Fill Collar	2.75
8 - Jts 5 1/2", 17#/ft, K55, LT&C, "B" Grade	195.15
31 - Jts 5 1/2", 17#/ft, K55, ST&C, "B" Grade	1010.07
7 - Jts 5 1/2", 17#/ft, K55, LT&C, "B" Grade	228.11
29 - Jts 5 1/2", 15.5#/ft, K55, LT&C, "B" Grade	955.24
40 - Jts 5 1/2", 17#/ft, K55, ST&C, "B" Grade	1261.88
99 - Jts 5 1/2", 14#/ft, K55, ST&C, "B" Grade	3036.03
26 - Jts 5 1/2", 15.5#/ft, K55, ST&C, "B" Grade	995.81
5 - Jts 5 1/2", 15.5#/ft, K55, LT&C, "B" Grade	147.05
1 - Jt 5 1/2", 17#/ft, K55, LT&C, "B" Grade	31.85
Total	<u>7897.94</u>
Above K.B. Datum	- 14.00
Setting Depth Casing	<u>7883.94'</u> K.B.

Casing pressure tested as follows:

17#/ft casing tested to 4500 psig.  
15.5#/ft casing tested to 4300 psig.  
14#/ft casing tested to 3500 psig.

Tagged solid bottom @ 7884' K.B. PBD @ 7847.19' K.B.

Centralizers were placed as follows:

7865'; 7817'; 7784'; 7751'; 7653'; 7554'; 7461'; 7361';  
7266'; 7167' K.B.

Left out of string:

3 Jts 14#/ft, K55, ST&C, "B" Grade	89.35'
1 Jt 17#/ft, K55, ST&C, "B" Grade	30.78
	<u>120.13'</u>

304925

10-14-73 Con't

Circulated 30 minutes. Cemented w/Dowell as follows:

5 Bbls water; 50 sacks 65-35 pozmix w/2% gel and D71  
(Scavenger Cement); 250 sacks Dowell Expanding Cement w/  
20% Silica flour and 0.2% retarder.

Slurry Density - 14.8#/gal.

Displaced w/189 Bbls water containing 1% KCl and 2 gal/1000  
gal F-38 Demulsifier.

Late pump pressure - 1500 psig.

Bumped plug w/2400 psig. Held 2 minutes. Released pressure - floats  
held okay.

Calculated top of cement @ 6520'.

Job finished @ 5 p.m.

Setting slips. Slips would not set. Necessary to strip off casing  
head and replace w/new casing head.

10-15-73

Set slips @ 7:30 a.m.

Rig released @ 8:00 a.m.

COMPLETION REPORT

MARTIN OIL SERVICE, INC.

GREGORSON #1  
NE Section 12-T2N-R68W  
Weld County, Colorado

WATTENBERG FIELD

C. K. ADAMS, P.E.  
McIlroy-Adams & Co., Inc.  
Casper, Wyoming 82601

COMPLETION REPORT

OPERATOR: Martin Oil Service, Inc.  
WELL: Gregorson #1  
LOCATION: NE 1/4 Section 12-T2N-R68W  
Weld County, Colorado  
FIELD: Wattenberg Gas  
ELEVATIONS: 4857' K.B.  
4846' G.L.

SUMMARY:

The Gregorson #1 was completed December 9, 1973 as a gas well through perforations in the "J" Sand 7792-7828 (gross). The original completion entailed perforating the "J" sand in 250 gal-7 1/2% Acid subsequently fracturing with 7000 gal K-1 fluid + 178,000# Sand and beads. Production equipment was installed and the well flow tested for cleanup and evaluation. At the end of a 78-hour flow test the well was gauged flowing 1.67 MMCFD on 24/64" choke with CP-905# and TP-580#.

WELLBORE CONDITION (KB DATUM)

TD -- 7884' (DRLR)  
PBSD -- 7850' (DRLR)  
Surface Casing - 8 5/8" 23# at 615'  
Production Casing - 5 1/2" 14#, 15.5# & 17# K-55 S&LT&C set at 7884' with 300 sacks.  
Casing Perforations - "J" Sand

<u>Depth</u>	<u>Ft.</u>	<u>Holes</u>
7792-7797	5	6
7808-7828	20	41

Production Tubing - 251 jts - 2 3/8" EUE 4.7# K-55 Landed on Donut with bottom of string at 7791'.

Packer - Baker Model "D" at 7783 - 7786'

Note: 2 3/8" tubing stung through packer but not sealed (no pack off)

DAILY REPORTS:

12-3-73

Moved in and rigged up Evitt Completion tools. Hauled in, unloaded and racked 258 jts. Used 2 3/8" 4.7# tubing. Rigged up wireline. Ran Gamma Ray-Collar-Correlation Logs from PBSD at 7816' to 7600'. PBSD too high to perf. by logger depths. Ran CBL log from PBSD to 5850.

Completion Report  
Page 2

12-3-73 Continued

Cement Bond quality as Follows:

PBTD - 7580 Excellent Bond  
7580 - 7090 Fair to poor Bond  
7090 - 6896 Excellent Bond  
6896 - 6680 Fair to good Bond  
6680 - 6322 Fair to poor Bond  
6322 - 6025 Excelent Bond  
6025 - 5990 Poor to no Bond  
5990 Top of Cement

Picked up, tallied and ran 49 jts. 2 3/8" tubing.  
Closed in well and Shut down for night.

12-14-73

Pulled 25 stands 2 3/8" tubing. Installed casing head packoff. Flanged up tubing head. Picked up 4 3/4" Bit and Casing Scraper. Tallied and ran a total of 253 jts. used 2 3/8" 4.7# tubing. Tagged up solid bottom at 7849.57' K.B. - New DRLR PBTD. Landed tubing at 7849'. Stripped on B.O.P. Rigged up Dowell. Reversed hole to clean tubing and heavy sediment. Pressure tested casing and B.O.P. to 3500#. Held ok. Spotted 250 gal - 7 1/2% BDA from 7849-7599'. Pulled 70% of tubing string. Closed in well and Shut down for night.

12-5-73

Pulled remainder of 2 3/8" tubing with 4 3/4" bit and Casing Scraper. Rigged up wireline. Perforated "J" Sand as follows:

<u>Depth</u>	<u>Ft.</u>	<u>Holes</u>
7792-7797	5	6
7808-7828	20	41

Perforated through lubricator with 4" Cased gun and deep penetrating jets.

Well stable - No blow or vacuum

Rigged up Dowell. Frac'd down casing with 7000 gal K-1 Frac Fluid + 178,000# Sand and beads.

Martin Oil Service, Inc.  
Gregorson #1  
NE Section 12-T2N-R68W  
Weld County, Colorado

Completion Report  
Page 3

12-5-73 Continued

Flushed with 195 BBL - 2% KCL water:

<u>Treatment Detail</u>	<u>Treatment Conditions</u>
5000 gal K-1 pad	BD press. - 2850#
10000 gal K-1 + 2 ppg 100 mesh	Max. press. - 3500#
5000 gal K-1 + 1 ppg 20/40	Min. press. - 1300#
15000 gal K-1 + 2 ppg 20/40	Avg. press. - 3000#
15000 gal K-1 + 3 ppg 20/40	Final press. - 2900#
15000 gal K-1 + 4 ppg 20/40	ISIP - 2200#
5000 gal K-1 + 4 ppg @ 4600# Beads	30 min. SIP - 2100#
195 BW - Flush to perf	Max. rate - 28 BPM
	Avg. rate - 24.5 BPM

Job complete at 2:10 p.m. Rigged down Dowell. Closed in well and shut down for night to allow fracture to heal naturally.  
Total load to recover - 2068 Bbls. (1120 BO + 948 BW).

12-6-73

CP-500#. Rigged up flow lines. Flowed casing to tanks.

SUMMARY

Flowed 437 BF/9 hours on 1/2" choke

Final FP - 900#

Load Fluid to Recover - 1631 Bbls.

12-7-73

CP-1300#

Bled off gas - CP-900# Commenced flowing solid fluid. Rigged up Dowell. Injected 95 Bbls. treated water in 3 stages - Bled off gas between stages. Decreased pressure to 500#.

Rigged up OWP. Lubricated in Baker wireline. Set "D" packer with expendible KO plug. Set top of packer at 7783' K.B. Rigged down OWP. Bled off casing - Recovered 100 Bbl fluid. Closed in well and shut down for night. Net load to recover - 1626 BF.

12-8-73

CP-100# - Bled off gas pressure

Ran 251 jts 2 3/8" tubing to bottom. Rigged up Dowell - Circulated hole with 120 Barrels condensate. Bled off gas. Installed tubing disk. Stripped through "D" packer - Knocked out expendible plug - Landed tubing on Donut with bottom of string at 7791' K.B.

Completion Report  
Page 4

12-8-73 Continued

Tubing String Detail:

1 - jt. 2 3/8" tubing Cut off & Mule Shoed.....	30.00'
250 - jts. 2 3/8" 4.7# J55 "B" tubing.....	7746.24'
1 - 2 3/8" x 6' tubing sub.....	6.10'
Sub total.....	7782.34'
Landed Below K.B.....	+ 8.50'
Bottom of String K.B.....	7790.84'

Stripped off B.O.P. Flanged up wellhead and surface connections.  
Rigged up lubricator. Knocked out disk with sinker bars. TP-300#.  
Flowed tubing to test tank for 2 1/2 hours. Laid flowlines and  
rigged up to flow well through test separator. Closed in well and  
shut down for night.

12-9-73

CP-900#, TP-1400#

Rigged down and moved out completion tools.

Rigged up test separator with lines to pit and tank.

Opened tubing and blew well 9 hours on 1/4" choke - Gas rate 1.2

MMCFD - Fluid Rate - 30 BPH. Closed in well for night.

12-10-73

CP-1200#, TP-1050#

Opened tubing on 12/64" and blew well through test separator for  
cleanup and test.

Average gas rate - 1 MMCFD

Fluid rate - 10 BPH

12-11-73

Blew well 24 hours on 14/64" choke.

CP-900#, TP-600#

Gas rate - 1.2 MMCFD

Fluid rate - 3.5 BPH

12-12-73

Blew well 24 hours on 24/64" choke.

OFFICIAL TEST REPORT

After 78 hour continuous flow period

Gas rate 1.67 MMCFD on 24/64" choke

CP-904#, TP-580#

Shut in well at 4:00 a.m.

Martin Oil Service, Inc.  
Gregorson #1  
NE Section 12-T2N-R68W  
Weld County, Colorado

Completion Report  
Page 5

12-13-73

Well shut in.

Tore down and moved out test separator and Flow lines.  
Painted wellhead and cleaned up location.

FINAL REPORT

WF

BATAA OIL, INC.  
**GREGERSON #1**  
 NE 12-2N-68W  
 WELD COUNTY, COLORADO  
 ANDY PETERSON, PETERSON ENERGY MANAGEMENT, INC

WORKOVER TO:  
 LD 2 7/8" tubing, run 2 3/8" tubing

**September 27, 1996**

MIRU Gunter Rig #5. Kill well w/ 70 BW. ND wellhead, NU BOP. RIH fishing tool, attempt to fish plunger, no recovery on two trips. POOH & tally 238 jts 2 7/8" 6.5 M-50 EUE tubing, SN, tail jt. Total assembly 7749.36', landed at 7760'. SDFN. BLTR 70.

**Estimated cost**

Rig	\$1,650
Trucking	\$350
Water	\$275
Supervision	\$250
<b><u>DCC</u></b>	<b><u>\$2525</u></b>
<b><u>CCC</u></b>	<b><u>\$2525</u></b>

**September 28, 1996**

RIH hydrostatic bailer on 2 7/8" tubing. Tagged fill at 7785', bailed 1', bailer quit. Dumped 30 BW down hole, still unable to bail deeper. PBTD 7786' is 6' above J-sand perms. POOH, no recovery in flappers. SDFWE. BLTR 100

**Estimated Cost**

Rig	\$1100
Bailer	\$650
Supervision	\$250
<b><u>DCC</u></b>	<b><u>\$2000</u></b>
<b><u>CCC</u></b>	<b><u>\$4525</u></b>

**September 29, 1996**

SDFS

**Estimated Cost**

<b><u>DCC</u></b>	<b><u>\$0</u></b>
<b><u>CCC</u></b>	<b><u>\$4525</u></b>

**September 30, 1996**

RIH bulldog bailer on 2 7/8" tubing. Tagged up at 7786'. PU power swivel, drilled 30 minutes, unable to make hole. Learned that there may possibly be a Model D permanent packer still set above J-sand at 7786'. POOH, LD 228 jts 2 7/8" 6.5# M-50 tubing

Bataa Oil, Inc.  
 Gregerson #1 Workover  
 Page 2

(7715.78') on Rocky Mountain float, hauled to RMI yard for testing. Spot in float of 2 3/8" 4.7# J-55 EUE tubing, start running tubing. RIH 70 jts, SDFN. BLTR 100.

**Estimated Cost**

Rig	\$2000
Bailer	\$750
Trucking	\$250
Supervision	\$475
<u>DCC</u>	<u>\$3475</u>
<u>CCC</u>	<u>\$8000</u>

**October 1, 1996**

Finish running 2 3/8" 4.7# J-55 EUE production tubing. Landed tubing with NC (0.42'), 1 jt (31.31'), SN (1.10'), 231 jts (7295.17'), C/KB (10.00'). EOT at 7338', SN at 7305'. Niobrara perms 7157'-7231', Codell perms 7361'-7373', J-sand perms 7792'-7828', original PBSD 7850', current PBSD 7786'. ND BOP, NU wellhead. PU swab, IFL 5800'. Swabbed 6 hours, recovered 66 bbls. FFL 4000', scattered fluid to SN. FTP good blow, FCP 320 psi. SWIFN. BLTR 33.

**Estimated Cost**

Rig	\$1650
Supervision	\$250
Tubing	\$1350
Valve & fittings	\$550
<u>DCC</u>	<u>\$3,800</u>
<u>CCC</u>	<u>\$11,800</u>