

American Oil LLC.
Cooper Field
Graham County, Kansas

For Sale:
Four Arbuckle Leases
1 Arbuckle SWD
Net Revenue Interest 80% all leases
Total Daily Production 9 BBL/day
Net Daily Production 7.2 BBL/day

American Oil LLC.

Denning #1

SE SE SW/4 S32-T9S-R21W

Cooper Field

Graham County, Kansas

API#: 15-065-03423

4000 BBLS Polymer

June 22nd, 2016-----June 25th, 2016

Drilled 1950

Cumulative Production: 297,397.82 BBLS

New 5.5" welded liner set @ 3825

Open Hole Arbuckle 3828-3834

2 7/8 Tubing

June 27, 2016

For: Zach Patterson

American Oil LLC.

2094 260th Ave

Hays, KS 67601

RE: Denning #1

Cooper Field

Graham County, KS

API: 15-065-03423

Dear Sirs:

Attached is the job log and injection plot for the Water-Block 247 polymer gel water shut off treatment performed on the Denning #1 producing well located in the Cooper Field in Graham County, Kansas. A job recap is presented below.

PURPOSE

Use WATER-BLOCK 247 polymer gel technology to:

1. Decrease water production
2. Lower producing fluid level
3. Improve draw-down on oil-saturated reservoir matrix rock
4. Improve oil recovery and well economics

TREATMENT

Kemira Chemical's equipment and personnel arrived on location at 1:00 P.M. on June 22nd, 2016. A tailgate safety meeting was held to discuss all potential hazards specific to the jobsite. Kemira Chemical's polymer blending and pumping unit was then connected to the wellhead and water supply. The following table provides details for each stage of the treatment.

	Date Begin	Time Begin	Date End	Time End	WB247 Polymer ppm	WB247 Polymer Lbs.	WB248 X-Linker Gals.	Gel Bbls.	PSIG Begin	PSIG End	BHP Begin And End	Pump Rate Begin (BPM)	Pump Rate End (BPM)	Comments
1	6/22/16	2:34p	6/22/16	2:55p				25H2O	0	-22psi		1.0bpm	1.0bpm	25bbl H2O preflush
2	6/22/16	2:56p	6/23/16	11:36a	1500	651	14	1240	-22psi	157psi		1.0bpm	1.0bpm	Start Waterblock 247 treatment
3	6/23/16	11:36a	6/25/16	8:51a	3000	2772	58	2640	157psi	376psi		1.0bpm	.75bpm	
4	6/25/16	8:51a	6/25/16	11:44a	6000	252	5	120	376psi	674psi		.75bpm	.75bpm	End WB247 Treatment
	Totals					3675	77	4000					Unit #3 Super: J. Martin	Field Techs: D.Patterson, A.Huelsmann

Denning average over last 30 days: 3 BBLS/day

Currently Pumping 350 Total Fluid at 84.5% P.E

Pumping Method: 175 Progressive Cavity Pump/30 horsepower electric motor

Currently Setup with a continuous flush stream of Corrosion inhibitor (2 qts/day) and Surfactant Biocide (2qts/day).

Monthly Expense:

Electricity: \$664.90 (8,542 kwh)

Chemical: 30 Gallons X \$11.59 = \$347.70

Pumping: \$175.00

Total Monthly Expense: \$1,187.60



Denning Fluid Level

Select Liquid Level	Depth Determination	Casing Pressure	<input checked="" type="checkbox"/> BHP	Collars																																	
Production <table border="1"> <thead> <tr> <th></th> <th>Current</th> <th>Potential</th> <th></th> </tr> </thead> <tbody> <tr> <td>Oil</td> <td>11.25</td> <td>14.7</td> <td>BBL/D</td> </tr> <tr> <td>Water</td> <td>220</td> <td>288.4</td> <td>BBL/D</td> </tr> <tr> <td>Gas</td> <td></td> <td>0.0</td> <td>Mscf/D</td> </tr> </tbody> </table>						Current	Potential		Oil	11.25	14.7	BBL/D	Water	220	288.4	BBL/D	Gas		0.0	Mscf/D																	
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MILLER PUMP SYSTEMS, INC. Progressing Cavity Pumps

Date 7/7/2016

Location Palco, KS

Company American Oil

Lease Denney

Well # 1

Formation

Total Depth

Pump Depth 3,789.61

Casing 5 1/2" Liner-3818

Perfs.

Open Hole 3828-39'

Tubing 2 7/8" (132)

Rods 1" KD (150)

Flowline = PSI

Size

Length

EQUIPMENT PULLED:

Pump Model _____ Date Installed _____ RPMs _____

Rotor Material _____ Ser. # _____ Connection _____ MFG _____

Condition _____

Stator Material _____ Serial # _____ Connection _____ MFG _____

Condition _____

Drive Head: Model _____ Gear Reducer _____

P.R. Size _____

Packing _____

Condition _____

Motor: H.P. _____ RPMs _____ Shaft Size _____ Volt _____ Ph _____

Motor Sheave _____ Pump Sheave _____ Belts _____

Other Equipment _____

Cause of Failure _____

Comments _____

Initial Installation

EQUIPMENT INSTALLED:

DATE: 7/7/2016

Pump Model 175-4100

Rotor Material Chrome Ser. # 155006 Connection 1"

☒ New ☐ Used ☐ Reconditioned MFG WALS

Stator Material HU309 Serial # E122698 Connection 3 1/2"

☒ New ☐ Used ☐ Reconditioned MFG WALS

Drive Head: Model D-200 Gear Reducer _____

Polished Rod 1 1/2" x 26'

Packing 2 1/4" x 1 1/2"

☐ New ☐ Used ☒ Reconditioned MFG Greco

Motor: H.P. 30 RPMs 1170 Shaft Size 2 1/8" Volt 460 Ph 3Ø

Motor Sheave 4-5V7.1 Pump Sheave 4-5V31.5 Belts 4-5VX1200

Mud Anchor _____ Seating Nipple _____ Stand. Vlv _____

Tbg. Anchor _____ No Turn Tool 5X2 TS Rod Guides 2 1/2" x 1"

Spacing Items: 1" x 6' Poly Rod Poly (20)

Other Equipment: 50 Hp Mega VFD, 1 1/2" Lock out Tee

Pump Spacing 38"

PUMP UP DATA:

Start Up: Amperage _____ RPMs _____ Flow Rate _____

Fluid Level _____ Pump-Up Time Wasn't there for pump up

OPERATIONAL DATA:

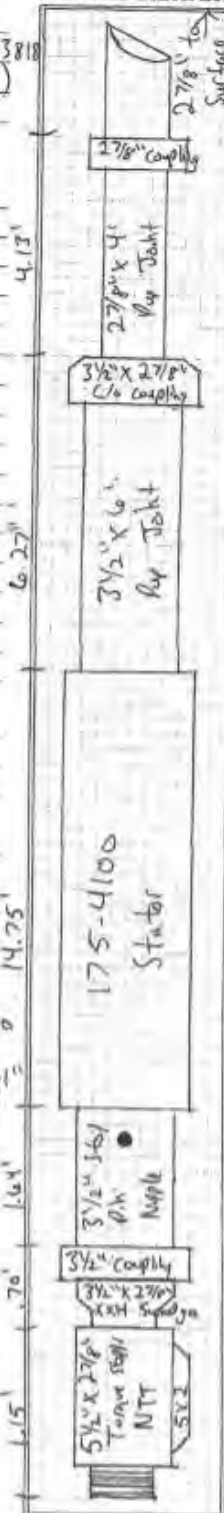
Amperage 17.9 RPMs 89 Tra 16.6 LP 4P

System Operation: ☒ Excellent ☐ Good ☐ Fair

Technician Turner

Comments _____

PROFILE DRAWING



American Oil LLC.
Rudman #3
NW NE/4 S5-T10S-R21W
Cooper Field
Graham County, Kansas
API#: 15-065-02492

5720 BBLS Polymer
June 16th, 2016----June 20th, 2016

Drilled 2006
Cumulative Production: 13,437.57 BBLS
5 1/2" Casing
Arbuckle Perfs 3856-3876 4spf
Cased TD 3916

June 21, 2016

For: Zach Patterson
American Oil LLC.
2094 260th Ave
Hays, KS 67601

RE: Rudman #3
Cooper Field
Graham County, KS
API: 15-065-02492

Dear Sirs:

Attached is the job log and injection plot for the Water-Block 247 polymer gel water shut off treatment performed on the Rudman #3 producing well located in the Cooper Field in Graham County, Kansas. A job recap is presented below.

PURPOSE

Use WATER-BLOCK 247 polymer gel technology to:

1. Decrease water production
2. Lower producing fluid level
3. Improve draw-down on oil-saturated reservoir matrix rock
4. Improve oil recovery and well economics

TREATMENT

Kemira Chemical's equipment and personnel arrived on location at 7:00 A.M. on June 16th, 2016. A tailgate safety meeting was held to discuss all potential hazards specific to the jobsite. Kemira Chemical's polymer blending and pumping unit was then connected to the wellhead and water supply. The following table provides details for each stage of the treatment.

	Date Begin	Time Begin	Date End	Time End	WB247 Polymer ppm	WB247 Polymer Lbs.	WB248 X-Linker Gals.	Gel Bbls.	PSIG Begin	PSIG End	BHP Begin And End	Pump Rate Begin (BPM)	Pump Rate End (BPM)	Comments
1	6/16/16	8:12a	6/16/16	8:30a				25H2O	0	-27	110psi/ 1177psi	1.0bpm	1.0bpm	25bbl H2O preflush
2	6/16/16	8:31a	6/17/16	5:11a	1500	651	14	1240	-27psi	-27psi	1132psi/ 1437psi	1.0bpm	1.0bpm	Start Waterblock 247 treatment
3	6/17/16	5:11a	6/18/16	2:51a	3000	1344	28	1280	-27psi	106psi	1437psi/ 1741psi	1.0bpm	1.0bpm	
4	6/18/16	2:51a	6/18/16	11:37p	4500	1953	41	1240	106psi	380psi	1741psi/ 2000psi	1.0bpm	1.0bpm	
5	6/18/16	11:37p	6/20/16	3:00p	6000	3864	81	1840	380psi	650psi	2000psi/ 2246psi	1.0bpm	.75bpm	
6	6/20/16	3:00p	6/20/16	5:53p	8000	336	7	120	650psi	781psi	2246psi/ 2350psi	.75bpm	.75bpm	End WB247 Treatment
	Totals					8148	171	5720					Unit #4 Super: J. Martin	Field Techs: D.Patterson, N.Makings, A.Huelsmann

Rudman #3 average: 0 BBL/day

Currently Not Producing.

When moving 250 Total fluid would produce 6-8 BOPD

Monthly Expense when producing:

Electricity: \$666.97 (5,893 kwh)

Chemical: 30 Gallons X \$11.59 = \$347.70

Pumping: \$175.00

Total Monthly Expense: \$1189.67



Rudman #3 Tank Battery

12'X20' Fiberglass G.B.

12'x10' Steel Stock Tanks

American Oil LLC.

Rudman #2

NW NE/4 S5-T10S-R21W

Cooper Field

Graham County, Kansas

API#: 15-065-01703

2800 BBLS Polymer

June 26th, 2016----June 28th, 2016

Drilled 1950

Cumulative Production: 328,948.05 BBLS

5 1/2" Casing

Arbuckle Open Hole 3843-3847

June 29, 2016

For: Zach Patterson

American Oil LLC.

2094 260th Ave

Hays, KS 67601

RE: Rudman #2

Cooper Field

Graham County, KS

API: 15-065-01703

Dear Sirs:

Attached is the job log and injection plot for the Water-Block 247 polymer gel water shut off treatment performed on the Rudman #2 producing well located in the Cooper Field in Graham County, Kansas. A job recap is presented below.

PURPOSE

Use WATER-BLOCK 247 polymer gel technology to:

1. Decrease water production
2. Lower producing fluid level
3. Improve draw-down on oil-saturated reservoir matrix rock
4. Improve oil recovery and well economics

TREATMENT

Kemira Chemical's equipment and personnel arrived on location at 7:00 A.M. on June 26th, 2016. A tailgate safety meeting was held to discuss all potential hazards specific to the jobsite. Kemira Chemical's polymer blending and pumping unit was then connected to the wellhead and water supply. The following table provides details for each stage of the treatment.

	Date Begin	Time Begin	Date End	Time End	WB247 Polymer ppm	WB247 Polymer Lbs.	WB248 X-Linker Gals.	Gel Bbls.	PSIG Begin	PSIG End	BHP Begin And End	Pump Rate Begin (BPM)	Pump Rate End (BPM)	Comments
1	6/26/16	9:52a	6/26/16	10:14a				25H2O	0	-27	1142psi 1320psi	1.0bpm	1.0bpm	25bbl H2O preflush
2	6/26/16	10:15a	6/27/16	5:54a	1500	609	13	1160	-27psi	200psi	1315psi 1835psi	1.0bpm	1.0bpm	Start Waterblock 247 treatment
3	6/27/16	5:54a	6/28/16	8:13a	3000	1596	33	1520	200psi	332psi	1835psi 1967psi	1.0bpm	.75bpm	
4	6/28/16	8:13a	6/28/16	11:06a	6000	252	5	120	332psi	608psi	1967psi 2239psi	.75bpm	.75bpm	End WB247 Treatment
	Totals					2457	51	2800					Unit #3 Super: J. Martin	Field Techs: D.Patterson, A.Huelsmann

Rudman #2 not producing:

Data when well was producing

5 oil at 800 Total Fluid at 76% P.E with 500' Fluid above pump

Pumping Method: 377 Progressive Cavity Pump

50 horsepower electric motor

Currently Setup with a continuous flush stream of Corrosion inhibitor (2 qts/day) and Surfactant Biocide (2qts/day).

Monthly Expense:

Electricity: \$1,046.70 (15,520 kwh)

Chemical: 30 Gallons X \$11.59 = \$347.70

Pumping: \$175.00

Total Monthly Expense: \$1,569.40

MILLER PUMP SYSTEMS, INC. Progressing Cavity Pumps

Date 7/8/2016 Location Palca, KS

Company American Oil
Lease Rudman Well #12 Formation _____
Total Depth _____ Pump Depth 3813.50' Casing 5 1/2" to 2050 ft
Perfs. _____ Open Hole 3843-3847 Tubing 2 7/8 (122) Rods 1" KD (150)
Flowline = PSI _____ Size _____ Length _____

EQUIPMENT PULLED:

Pump Model _____ Date Installed _____ RPMs _____
Rotor: Material _____ Ser. # _____ Connection _____ MFG _____
Condition _____
Stator: Material _____ Serial # _____ Connection _____ MFG _____
Condition _____
Drive Head: Model _____ Gear Reducer _____
P.R. Size _____ Packing _____
Condition _____
Motor: H.P. _____ RPMs _____ Shaft Size _____ Volt _____ Ph _____
Motor Sheave _____ Pump Sheave _____ Belts _____
Other Equipment _____
Cause of Failure _____
Comments _____

Initial Installation

EQUIPMENT INSTALLED: DATE: 7/8/2016
Pump Model 175-4100 SH
Rotor: Material Chrome Ser. # 158787 Connection 1"
☒ New ☐ Used ☐ Reconditioned MFG WALS
Stator: Material HN309 Serial # E125433 Connection 2 7/8"
☒ New ☐ Used ☐ Reconditioned MFG WALS
Drive Head: Model D-2100 Gear Reducer _____
Polished Rod 1 1/2" x 26' Packing 2 1/4" x 1 1/2"
☐ New ☐ Used ☒ Reconditioned MFG Greenco
Motor: H.P. 30 RPMs 1180 Shaft Size 2 1/8" Volt 460 Ph 3Ø
Motor Sheave 4-5V7.1 Pump Sheave 4-5V31.5 Belts 4-5VX1200
Mud Anchor _____ Seating Nipple _____ Stand. Viv. _____
Tbg. Anchor _____ No Turn Tool 20-2 1/2" x 1 1/2" Rod Guides 20-2 1/2" x 1 1/2"
Spacing Items: 1" x 8', 1" x 6', 1" x 4', 1" x 2' poly rods to NTR
Other Equipment: 50 Hp Motor, NFD, 1 1/2" Couk out Tee
Pump Spacing 38"

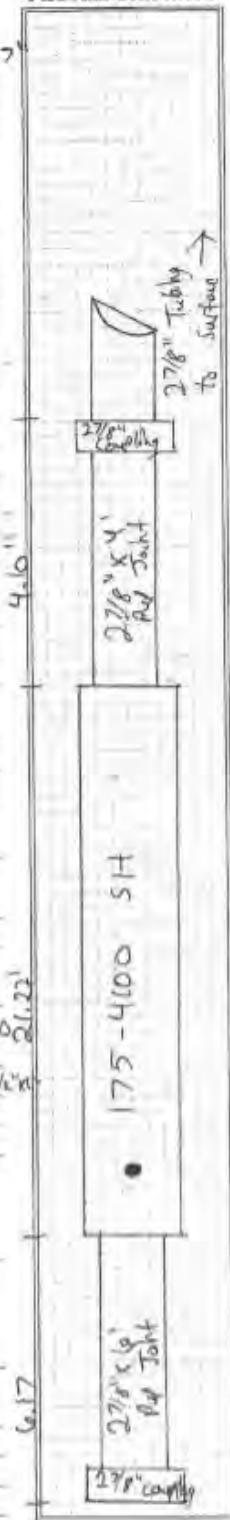
PUMP UP DATA:

Start Up: Amperage _____ RPMs _____ Flow Rate _____
Fluid Level _____ Pump-Up Time _____

OPERATIONAL DATA:

Amperage _____ RPMs _____ Flow Rate _____ Fluid Level _____
System Operation: ☐ Excellent ☒ Good ☐ Fair
Technician Tanner
Comments Waiting to start pump up due to polymer job.
Run a 2 7/8" x 6' Pap JT so if the pump fell into open
hole it would keep from plugging up stator.

PROFILE DRAWING



American Oil LLC.

Yost Lease

SW/4 S32-T9S-R21W. 150 Acres

Cooper Field

Graham County, Kansas

Cumulative Production: 34,505

Monthly Expenses : \$1,700-\$1,800

Yost #1

Drilled 2003

5 1/2" Casing

2 7/8" Tubing 3/4" Rods

Producing Formation: Lansing

CIBP set over Arbuckle

Yost #2

Drilled 2004

2 3/8" Tubing 3/4" Rods

5 1/2" Casing

Producing Formation: Lansing

Yost #3

Drilled 2014

5 1/2" Casing

2 7/8" Tubing

3/4" Rods

Producing Formation: Arbuckle

American Oil LLC.

Smith #6 SWD

NW/4 S5-T10S-R21W

API NO: 15-065-21003-00-00

Injection Zone: Arbuckle

Max: Injection Rate: 2500 BBL/day