Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1108014

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 3553
Name: Citation Oil & Gas Corp.
Address 1: 14077 Cutten Rd
Address 2: PO BOX 690688
City: HOUSTON State: TX Zip: 77269 + 0688
Contact Person: Tami Troxel
Phone: (281) 891-1564
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Ed Glassman
Purchaser:

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

3/22/2013	3/26/2013	4/19/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26451-00-00
Spot Description:
_ - _ - E2 - E2 Sec. 27 Twp. 11 S. R. 17 ☐ East ☑ West
2640 Feet from ☐ North / ☑ South Line of Section
660 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: Ellis
Lease Name: Baumer B Well #: 67
Field Name: Bemis-Shutts
Producing Formation: Arbuckle
Elevation: Ground: 1950 Kelly Bushing: 1963
Total Vertical Depth: 3514 Plug Back Total Depth: 3463
Amount of Surface Pipe Set and Cemented at: 1176 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 5000 ppm Fluid volume: 1800 bbls
Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☑ **Confidentiality Requested**
Date: 04/29/2013
☑ **Confidential Release Date:** 04/29/2015
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 04/30/2013

1108014

Operator Name: Citation Oil & Gas Corp. Lease Name: Baumer B Well #: 67

Sec. 27 Twp. 11 S. R. 17 ☐ East ☑ West County: Ellis

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Anhydrite	1170	793
Topeka	2880	-917
Heebner	3115	-1152
Lansing	3162	-1199
Kansas City	3403	-1440
Arbuckle	3426	-1463

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	1176	C	500	3% cc, 2% gel
Production	7.875	5.5	15.5	3511	C	235	10% salt, 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
6	3428' - 3440'	3000 Gals 28% HCL	3440'
6	3428' - 3440'	Polymer Gel Treatment: Stages 1-5	3440'

TUBING RECORD: Size: 2 7/8" Set At: 3453 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 4/27/2013

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	69	0	119		34

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:
Arbuckle

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Citation Oil & Gas Corp.
Well Name	Baumer B 67
Doc ID	1108014

All Electric Logs Run

Geologist Report
Induction Array Log
Micro Log
Compensated Neutron Log

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

March 27, 2013

Tami Troxel
Citation Oil & Gas Corp.
14077 Cutten Rd
PO BOX 690688
HOUSTON, TX 77269-0688

Re: ACO1
API 15-051-26451-00-00
Baumer 67
E/2 Sec.27-11S-17W
Ellis County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Tami Troxel

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 8469

Cell 785-324-1041

	Sec.	Twp.	Range	County	State	On Location	Finish
Date 8-23-13	27	11	17	Ellis	KS		11:30pm

Location Schoenchen Rd. 2S W into

Lease Baumert Well No. 7 Owner

Contractor Duke #10 To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Type Job Surface

Hole Size 12¼ T.D. 1181 Charge To Citation Oil

Csg. 8 5/8 Depth 1176 Street

Tbg. Size Depth City State

Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. 30.39 Shoe Joint 30.39 Cement Amount Ordered 500 Com 3%cc 2%gel

Meas Line Displace 69½ BL

EQUIPMENT

Pumptrk 9	No.	Cementer	Craig
		Helper	
Bulktrk	No.	Driver	Cody
		Driver	
Bulktrk 13	No.	Driver	Wayne
		Driver	

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

8 5/8 on bottom Est Circulation.
Mix 500sk Displace Plug.
Bump Plug @ 1095.61
Mix 500sk + Displace Plug.

Cement Circulated!

Common	
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	
Mileage	

FLOAT EQUIPMENT

Guide Shoe	8-5/8
Centralizer	11
~~Baskets~~	Baffle Plate
~~AFU Inserts~~	Rubber Plug
Float Shoe	
Latch Down	
Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	

X Signature

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 8491

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-28-13	27	11	17	ELLIS	KANSAS		9:00 AM

Location COMETH RD - 10½N - W/INTO

Lease BAUMER Well No. #67 Owner CITATION OIL

Contractor DUKE #10

Type Job PROD. STRING

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size	7⅞"	T.D. 3514
Csg.	5½" 15LB NEW	Depth 3511
Tbg. Size		Depth
Tool		Depth
Cement Left in Csg.		Shoe Joint 84.36
Meas Line		Displace 83¾

Charge To CITATION OIL

Street 14077 CUTTEN RD.

City HOUSTON State TX, 77069

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 235

EQUIPMENT

	No.		
Pumptrk #114		Cementer	
		Helper	TRAVIS
Bulktrk #14	No.	Driver	
		Driver	BILLY
Bulktrk P/U	No.	Driver	
		Driver	CHAD

JOB SERVICES & REMARKS

Remarks:

Rat Hole 30 SKS

Mouse Hole 15 SKS

Centralizers

Baskets

D/V or Port Collar

DROPPED BALL - BROKE CIRCULATION - CIRCULATED 30 MIN ON BOTTOM - PUMPED MUD FLUSH - PLUGGED RAT HOLE 30 SKS PLUGGED MOUSE HOLE 15 SKS PUMPED 190 SKS DOWN 5½" - WASHED PUMP & DROPPED PLUG - DISPLACED PLUG LANDED & HELD.

LIFT PRESSURE @ 1,000 LBS

PLUG LANDED @ 83 BBLS 1,300 LBS

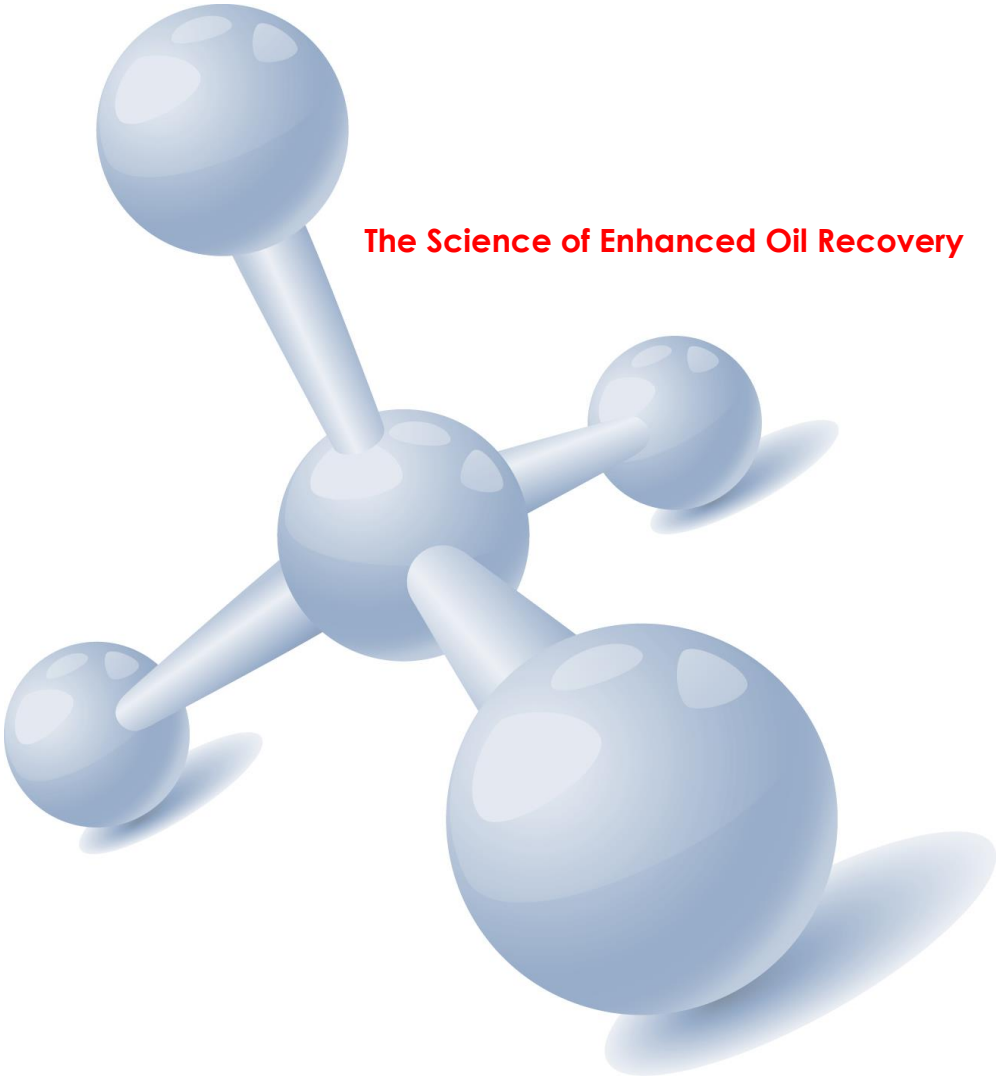
Common	
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	500 GAL
CFL-117 or CD110 CAF 38	
Sand	
Handling	
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	12 - 5½" TURBOS
Baskets	2 - 5½"
AFU Inserts	
Float Shoe	
Latch Down	1 - 5½" W/PLUG

Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	

X Signature



The Science of Enhanced Oil Recovery

Treatment Summary For

Citation Oil & Gas Corp.

MARCIT^{sm} Gel Conformance
Bemis-Shutts
Baumer #67
Ellis County, Kansas

April 16, 2013

TIORCO
A NALCO & STEPAN COMPANY

TREATMENT SUMMARY

PURPOSE

Use MARCIT[sm] 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

TIORCO equipment and personnel arrived on location on April 12, 2013. A tailgate safety meeting was held to discuss all potential hazards specific to the job. TIORCO's Portable Unit #17 was connected to frac tanks for treatment supply water and to the wellhead for polymer solution injection. The unit was then connected to an electrical source. The treatment consisted of 740 BBLS of gel. The treatment started on April 12, 2013 at 18:12 and ended on April 13, 2013 at 13:07 The gel was made-up of 990 lbs. of EOR204 (Medium molecular weight polymer) and 212 lbs. of EOR684 (crosslinker). Details for each stage of the treatment, job log, and injection charts are included.

MARCIT[sm] GEL QA/QC

Representative samples of cross-linked polymer solution were collected during all treatment stages to ensure that the intended gels would ultimately form. Pre-gel samples were stored at a temperature of 120°F in an oven onboard the TIORCO portable polymer injection unit. All samples indicated that gels formed as intended.

TIORCO is very interested in monitoring and evaluating the results of this treatment with time. If you should have questions or comments regarding the job, please do not hesitate to contact Mike Lantz in our Denver office at (303) 923-6440. We greatly appreciate the opportunity to be of service to Citation Oil & Gas Corp. and look forward to working with you again in the future.

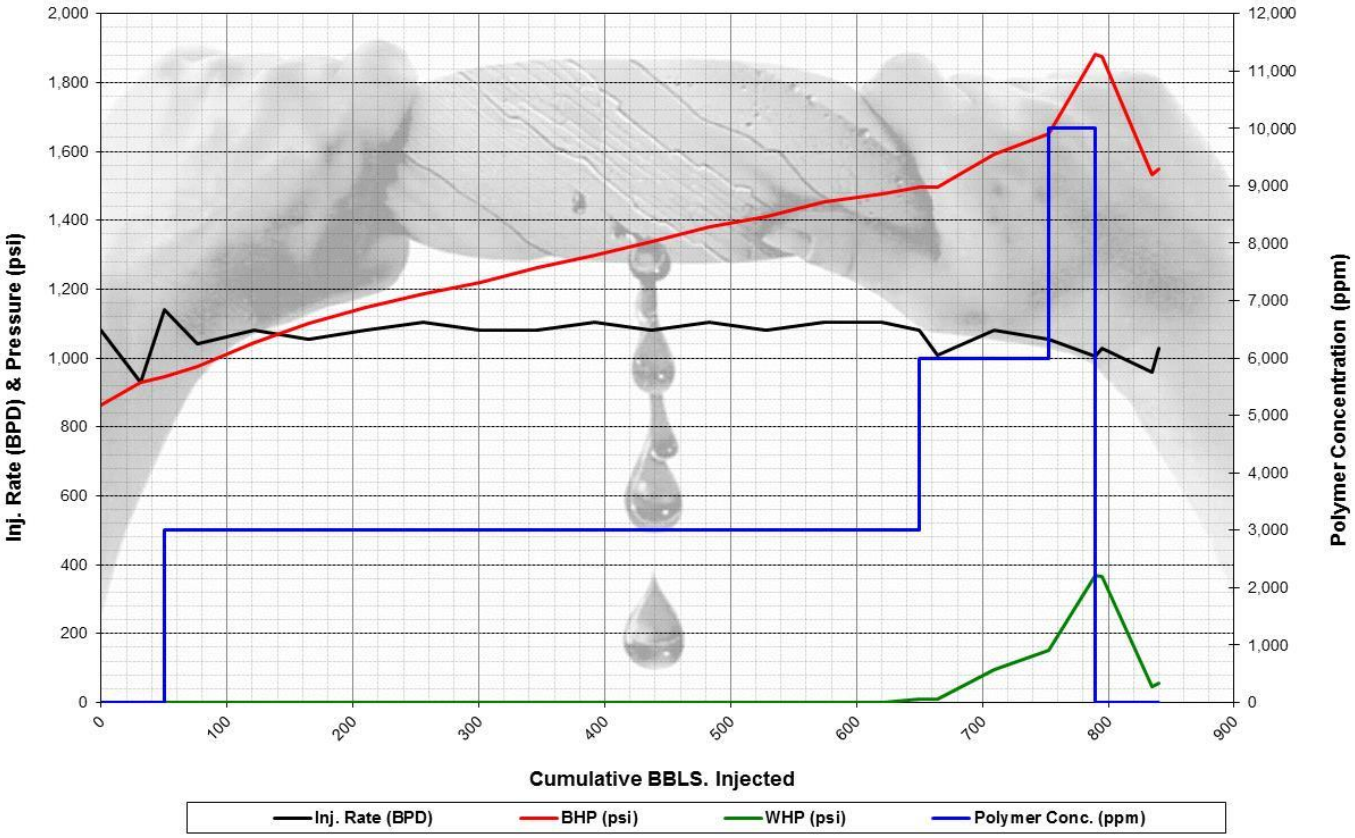
TREATMENT STAGE LOG

Stage	Date Begin	Time Begin	Date End	Time End	Polymer ppm	BBLS / Stage	WHP (psi)		BHP (psi)		Pump Rate (bpd)		Comments
							Begin	End	Begin	End	Begin	End	
1	4/12/13	6:12 PM	4/12/13	7:24 PM	0	50	0	0	864	947	1,080	1,080	Stage # 1: Water Flush With RU189 & K-31w
2	4/12/13	7:24 PM	4/13/13	8:40 AM	3,000	600	0	10	947	1,496	1,080	1,080	Stage # 2: 3,000 PPM With K-31w
3	4/13/13	8:40 AM	4/13/13	11:00 AM	6,000	103	10	152	1,496	1,653	1,080	1,080	Stage # 3: 6,000 PPM With K-31w
4	4/13/13	11:00 AM	4/13/13	11:53 AM	10,000	37	152	370	1,653	1,881	1,080	1,080	Stage # 4: 10,000 PPM With K-31w
5	4/13/13	11:53 AM	4/13/13	1:07 PM	0	50	370	55	1,881	1,550	1,080	1,080	Stage #5: Water Flush With RU189 & K-31w
Totals						840							

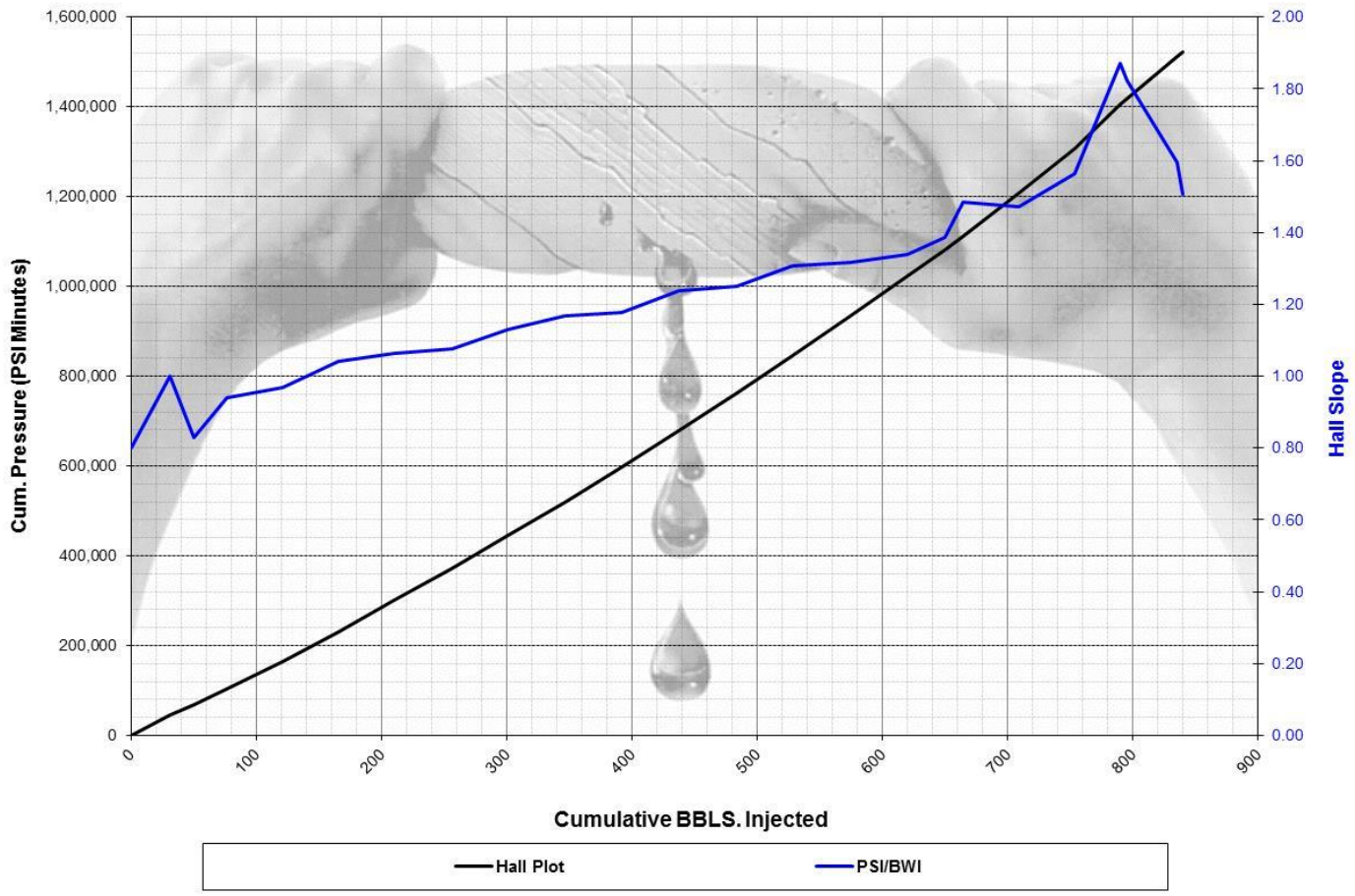
MARCIT^{SM} GEL QA/QC

Sample No.	Treatment Stage	Sample Date	Sample Time	Cum. Bbls.	Polymer ppm	Polymer:X-Linker Ratio	Comments
1	2	04/12/13	19:00	121	3,000	40:1	Graded 3g
2	2	04/13/13	08:00	620	3,000	40:1	Graded 3g
3	3	04/13/13	10:00	709	6,000	40:1	Graded 7g
4	4	04/13/13	11:53	790	10,000	40:1	Graded 9e

RATE, PRESSURE, & CONCENTRATION



HALL SLOPE


1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
Cum. Pressure (PSI Minutes)
2.00
1.80
1.60
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
Hall Slope
0
100
200
300
400
500
600
700
800
900
Cumulative BBLS. Injected
Hall Plot
PSI/BWI

TREATMENT JOB LOG

DATE	TIME	INJECTION RATE		CUM. INJ BBLS	WHP PSI	BHP PSI	HALL SLOPE	Polymer PPM	POLYMER LBS: Estimate	COMMENTS
		BPD	BPM							
12-Apr-13	18:12	1,080	0.75	0	0	864	0.80	0	0	Begin Well Treatment -Stage #1: Water Flush with Champion RU 189 and K-31w
12-Apr-13	19:00	930	0.65	31	0	931	1.00	0	0	
12-Apr-13	19:24	1,140	0.79	50	0	947	0.83	0	0	End Stage #1
12-Apr-13	19:24	1,140	0.79	50	0	947	0.83	3,000	0	Begin Stage #2: 3,000 PPM with Champion K-31w
12-Apr-13	20:00	1,040	0.72	76	0	977	0.94	3,000	27	
12-Apr-13	21:00	1,080	0.75	121	0	1,045	0.97	3,000	74	Took Sample #1: Graded 3g
12-Apr-13	22:00	1,056	0.73	165	0	1,101	1.04	3,000	121	
12-Apr-13	23:00	1,080	0.75	210	0	1,148	1.06	3,000	168	
13-Apr-13	0:00	1,104	0.77	256	0	1,187	1.08	3,000	216	
13-Apr-13	1:00	1,080	0.75	301	0	1,219	1.13	3,000	263	
13-Apr-13	2:00	1,080	0.75	346	0	1,261	1.17	3,000	310	
13-Apr-13	3:00	1,104	0.77	392	0	1,300	1.18	3,000	359	
13-Apr-13	4:00	1,080	0.75	437	0	1,338	1.24	3,000	406	
13-Apr-13	5:00	1,104	0.77	483	0	1,381	1.25	3,000	454	
13-Apr-13	6:00	1,080	0.75	528	0	1,411	1.31	3,000	501	
13-Apr-13	7:00	1,104	0.77	574	0	1,455	1.32	3,000	550	
13-Apr-13	8:00	1,104	0.77	620	0	1,478	1.34	3,000	598	Took Sample #2: Graded 3g
13-Apr-13	8:40	1,080	0.75	650	10	1,496	1.39	3,000	629	End Stage # 2
13-Apr-13	8:40	1,080	0.75	650	10	1,496	1.39	6,000	629	Begin Stage #3: 6,000 PPM with Champion K-31w
13-Apr-13	9:00	1,008	0.70	664	10	1,497	1.49	6,000	659	
13-Apr-13	10:00	1,080	0.75	709	95	1,591	1.47	6,000	753	Took Sample #3: Graded 7g
13-Apr-13	11:00	1,056	0.73	753	152	1,653	1.57	6,000	845	End Stage # 3
13-Apr-13	11:00	1,056	0.73	753	152	1,653	1.57	10,000	845	Begin Stage #4: 10,000 PPM with Champion K-31w
13-Apr-13	11:53	1,005	0.70	790	370	1,881	1.87	10,000	975	End Stage #4; Took Sample #4: Graded 9e
13-Apr-13	11:53	1,005	0.70	790	370	1,881	1.87	0	975	Begin Stage #5: Water Flush with Champion RU 189 and K-31w
13-Apr-13	12:00	1,029	0.71	795	365	1,874	1.82	0	975	
13-Apr-13	13:00	960	0.67	835	45	1,533	1.60	0	975	
13-Apr-13	13:07	1,029	0.71	840	55	1,550	1.51	0	975	End Stage #5: Treatment Completed