

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1143896

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
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:	Producing Formation: Elevation: Ground: Kelly Bushing: Feet Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
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 #:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite:
☐ ENHR Permit #: ☐ GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	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:							
Confidential Release Date:							
Wireline Log Received							
Geologist Report Received							
UIC Distribution							
ALT I II III Approved by: Date:							

Page Two



Operator Name:				_ Lease l	Name: _			Well #:		
Sec Twp	S. R	East \	West	County	:					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres o surface test, along	sures, whether s with final chart(shut-in pre s). Attach	ssure reac extra shee	hed stati t if more	c level, hydrosta space is neede	tic pressures, bot d.	tom hole temp	erature, flui	d recovery,
Final Radioactivity Lo- files must be submitte						ogs must be ema	iled to kcc-well-lo	gs@kcc.ks.go	v. Digital el	ectronic log
Drill Stem Tests Taker (Attach Additional S		Yes	☐ No		_		on (Top), Depth ar			mple
Samples Sent to Geo	logical Survey	Yes	No		Nam	е		Тор	Da	tum
Cores Taken Electric Log Run		Yes Yes	☐ No ☐ No							
List All E. Logs Run:										
			CASING		☐ Ne					
		1				ermediate, product		T	_	
Purpose of String	Size Hole Drilled	Size Cas Set (In O		Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used		d Percent itives
		AD	DITIONAL	CEMENTIN	NG / SQL	JEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Ce	ement	# Sacks	Used		Type and P	ercent Additives		
Perforate Protect Casing	100 20111111									
Plug Back TD Plug Off Zone										
1 lug 0 li 20110										
Did you perform a hydrau	ulic fracturing treatment	on this well?				Yes	No (If No, ski	p questions 2 ar	nd 3)	
Does the volume of the to								p question 3)		
Was the hydraulic fractur	ing treatment information	on submitted to the	e chemical c	disclosure re	gistry?	Yes	No (If No, fill	out Page Three	of the ACO-1)
Shots Per Foot		ION RECORD - I					cture, Shot, Cement		d	Depth
						,		,		
TUBING RECORD:	Size:	Set At:		Packer A	t:	Liner Run:				
							Yes No			
Date of First, Resumed	Production, SWD or Ef		ducing Meth Flowing	od:	g 🗌	Gas Lift (Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er B	bls. 0	as-Oil Ratio		Gravity
DISPOSITIO	ON OF GAS:		N/	1ETHOD OF	COMPLE	TION:		PRODUCTION)N INTER\/^	1.
Vented Sold		Open I	_	Perf.	Dually	Comp. Cor	mmingled	THODOCTIC	ZIN IIN I ERVA	L.
	bmit ACO-18.)	Other	(Specific)		(Submit)		mit ACO-4)			

Form	ACO1 - Well Completion
Operator	Citation Oil & Gas Corp.
Well Name	Drumm Co 7
Doc ID	1143896

All Electric Logs Run

Micro Log
Dual Induction Log
Compensated Nuetron Log
Geological Report

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



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

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

June 05, 2013

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

Re: ACO1 API 15-065-23932-00-00 Drumm Co 7

NE/4 Sec.16-09S-21W Graham 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, Liana Ramirez

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

Date 5-23-13 Sec	Twp.	Range	/ / / C	County	State	On Location	8,45/4h				
- Tariol Duto and reconstance			Location	on the key	SL KDX	5 W 21	7 N				
Lease CO	na trop estate d	Well No.		Owner W	nto 1						
Contractor 1 W 10		rendo lapes volu nadeo esti te se		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 Constitution Hole Size	T.D.	1.60	Louis topics	Charge To							
Csg.	Depth	1696	r ssirriy	Street	11/10/1	611 Ox					
Tbg. Size	Depth		19 12 GA	City		State					
Tool	Depth	och berri (p	a syling fire	The above wa	s done to satisfaction a	and supervision of owner	agent or contractor.				
Cement Left in Csg.	Shoe	Joint 82.6	55	Cement Amo	ount Ordered	the state of	Construction of the second				
Meas Line	Displa	I INAIA	944	May Co	20/		23000000000				
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Bulktrk No. Driver Driver	att			Gel.	ica, ito senti navoma doj	44,639,000,000	* CREATE STATE				
No. Driver	muleh	Lonne	c/h	Calcium							
JOB SERVIC	ES & REM	ARKS		Hulls	riche desent it sier i	Constitution of the					
Remarks:				Salt	eriotaria (h. 2006). Kanadaria komunista bizaria	u Vete, mesument eta ja Geografia					
Rat Hole	late ran	Brother Breits	men jeti	Flowseal							
Mouse Hole	186 300 EV 8 VV	N. Service of the Service St.		Kol-Seal							
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Signature				J			CHARLES CHARLES				

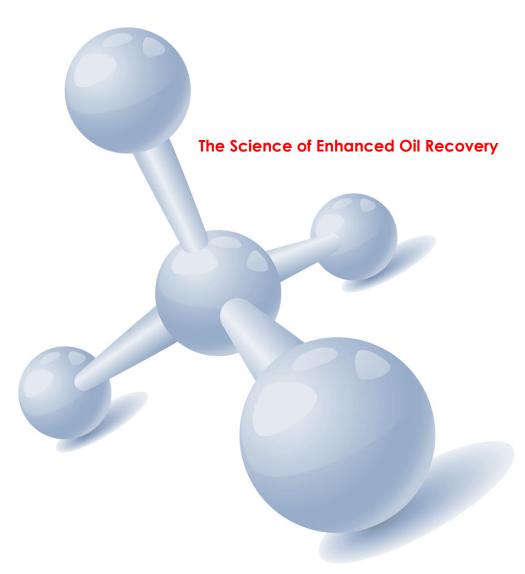
QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041 Home Office P.O. Box 32 Russell, KS 67665

o. 39

On Location Finish County State Twp. Sec. Range Date Location Well No. Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish Contractor cementer and helper to assist owner or contractor to do work as listed. Type Job Charge T.D. Hole Size To 1119 Depth Street Csg. State Depth City Tbg. Size The above was done to satisfaction and supervision of owner agent or contractor. Depth Tool Cement Amount Ordered Shoe Joint Cement Left in Csg. Meas Line Displace **EQUIPMENT** Common Cementer No. Poz. Mix Pumptrk Helper Driver No. Gel. Bulktrk Driver Driver Bulktrk 1) Q Calcium Driver **JOB SERVICES & REMARKS** Hulls Salt Remarks: Flowseal Rat Hole Kol-Seal Mouse Hole and and Mud CLR 48 Centralizers Baskets CFL-117 or CD110 CAF 38 D/V or Port Collar Sand Handling Mileage FLOAT EQUIPMENT Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount Total Charge Signature



Treatment Summary For

Citation Oil & Gas Corp.

MARCITsm Gel Conformance Morel Drumm Co #7 Graham County, Kansas

June 11, 2013



TREATMENT SUMMARY

PURPOSE

Use MARCITsm 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 June 8, 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 1,982 BBLS of gel. The treatment started on June 8, 2013 at 08:40 and ended on June 10, 2013 at 06:45. The gel was made-up of 3,025 lbs. of EOR204 (Medium molecular weight polymer) and 652 lbs. of EOR684 (crosslinker). Details for each stage of the treatment, job log, and injection charts are included.

MARCITsm 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

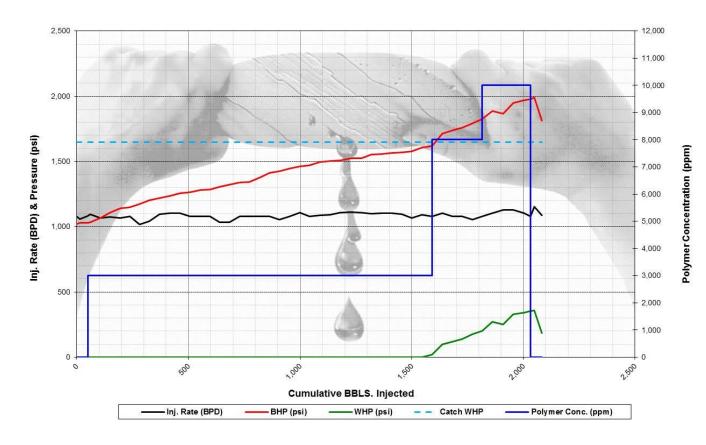
Stage	Date	Time	Date	Time	Polymer	BBLS /	WHP	WHP (psi) BHP (ps		(psi)	Pump Rate (bpd)		- Comments
Stage	Begin	Begin	End	End	ppm	Stage	Begin	End	Begin	End	Begin	End	Comments
1	6/8/13	8:40 AM	6/8/13	9:47 AM	0	50	0	0	1,020	1,031	1,080	1,080	Stage #1: Water Flush with CRO195 & X-Cide 102w
2	6/8/13	9:47 AM	6/9/13	8:00 PM	3,000	1,541	0	20	1,031	1,620	1,080	1,080	Stage #2: 3,000 ppm with XCide 102w
3	6/9/13	8:00 PM	6/10/13	1:00 AM	8,000	225	20	200	1,620	1,825	1,080	1,080	Stage #3: 8,000 ppm with X-Cide 102w
4	6/10/13	1:00 AM	6/10/13	5:40 AM	10,000	216	200	355	1,825	1,977	1,080	1,080	Stage #4: 10,000 ppm with X-Cide 102w
5	6/10/13	5:40 AM	6/10/13	6:45 AM	0	50	355	185	1,977	1,811	1,080	1,080	Stage #5: Water Flush with CRO195 & X-Cide 102w
Totals						2,082							

MARCITSM GEL QA/QC

Sample No.	Treatment Stage	Sample Date	Sample Time	Cum. BBLS	Polymer PPM	Polymer X- Linker Ratio	Gel Grade
1	2	June 8, 2013	11:00 AM	104	3,000	40:1	3g
2	2	June 9, 2013	12:00 AM	683	3,000	40:1	2g
3	2	June 9, 2013	12:00 PM	1,227	3,000	40:1	3g
4	2	June 9, 2013	7:00 PM	1,546	3,000	40:1	2g
5	3	June 10, 2013	12:00 AM	1,771	8,000	40:1	8g
6	4	June 10, 2013	5:00 AM	2,002	10,000	40:1	9e

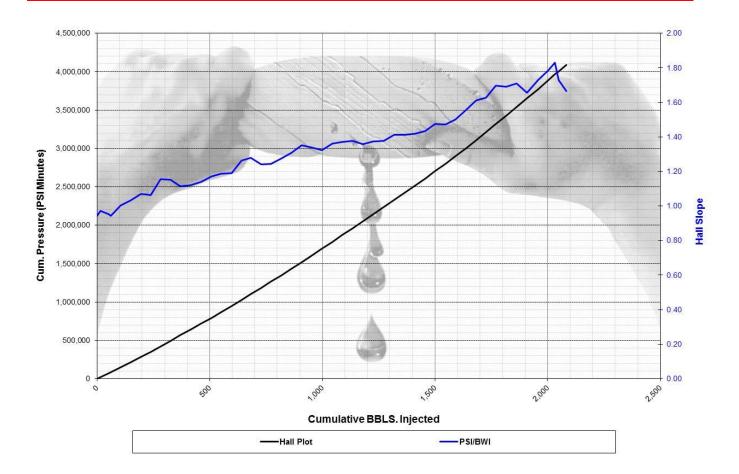


RATE, PRESSURE, & CONCENTRATION





HALL SLOPE





TREATMENT JOB LOG

DATE	TIME	INJEC RA		CUM. INJ BBLS	WHP PSI	BHP PSI	HALL SLOPE	Polymer PPM	POLYMER LBS: (Estimate)	COMMENTS
		BPD	BPM							
8-Jun-13	8:40	1,080	0.75	0	0	1,020	0.94	0	0	Begin Stage #1: Water Flush with Baker CRO195 & X-Cide 102w
8-Jun-13	9:00	1,058	0.74	15	0	1,028	0.97	0	0	
8-Jun-13	9:47	1,082	0.75	50	0	1,031	0.95	0	0	End Stage #1
8-Jun-13	9:47	1,082	0.75	50	0	1,031	0.95	3,000	0	Begin Stage #2: 3,000 ppm with X-Cide 102w
8-Jun-13	10:00	1,097	0.76	60	0	1,036	0.94	3,000	10	
8-Jun-13	11:00	1,066	0.74	104	0	1,068	1.00	3,000	57	Took sample #1: Graded 3g
8-Jun-13 8-Jun-13	12:00 13:00	1,075 1,068	0.75 0.74	149 194	0	1,110 1,143	1.03	3,000 3,000	104 151	
8-Jun-13	14:00	1,080	0.74	239	0	1,143	1.07	3,000	198	
8-Jun-13	15:00	1,018	0.73	281	0	1,175	1.15	3,000	242	
8-Jun-13	16:00	1,042	0.72	324	0	1,201	1.15	3,000	288	
8-Jun-13	17:00	1,094	0.76	370	0	1,220	1.11	3,000	336	
8-Jun-13	18:00	1,104	0.77	416	0	1,237	1.12	3,000	384	
8-Jun-13	19:00	1,104	0.77	462	0	1,258	1.14	3,000	432	
8-Jun-13	20:00	1,080	0.75	507	0	1,266	1.17	3,000	479	
8-Jun-13	21:00	1,080	0.75	552	0	1,282	1.19	3,000	527	
8-Jun-13	22:00	1,080	0.75	597	0	1,287	1.19	3,000	574	
8-Jun-13	23:00	1,032	0.72	640	0	1,305	1.26	3,000	619	
9-Jun-13	0:00	1,032	0.72	683	0	1,321	1.28	3,000	664	Took sample #2: Graded 2g
9-Jun-13	1:00	1,080	0.75	728	0	1,340	1.24	3,000	711	
9-Jun-13	2:00	1,080	0.75	773	0	1,345	1.25	3,000	758	
9-Jun-13	3:00	1,080	0.75	818	0	1,377	1.28	3,000	806	
9-Jun-13	4:00	1,080	0.75	863	0	1,413	1.31	3,000	853	
9-Jun-13 9-Jun-13	5:00 6:00	1,056 1,080	0.73 0.75	907 952	0	1,426 1,447	1.35	3,000 3,000	899 946	
9-Jun-13	7:00	1,106	0.73	998	0	1,447	1.32	3,000	995	
9-Jun-13	8:00	1,080	0.75	1,043	0	1,471	1.36	3,000	1,042	
9-Jun-13	9:00	1,090	0.76	1,089	0	1,495	1.37	3,000	1,089	
9-Jun-13	10:00	1,092	0.76	1,134	0	1,505	1.38	3,000	1,137	
9-Jun-13	11:00	1,109	0.77	1,180	0	1,506	1.36	3,000	1,186	
9-Jun-13	12:00	1,111	0.77	1,227	0	1,526	1.37	3,000	1,234	Took Sample # 3: Graded 3g
9-Jun-13	13:00	1,106	0.77	1,273	0	1,523	1.38	3,000	1,282	
9-Jun-13	14:00	1,099	0.76	1,318	0	1,552	1.41	3,000	1,330	
9-Jun-13	15:00	1,104	0.77	1,364	0	1,557	1.41	3,000	1,379	
9-Jun-13	16:00	1,104	0.77	1,410	0	1,567	1.42	3,000	1,427	
9-Jun-13	17:00	1,094	0.76	1,456	0	1,569	1.43	3,000	1,475	
9-Jun-13 9-Jun-13	18:00 19:00	1,068 1,092	0.74	1,501 1,546	0	1,577 1,608	1.48 1.47	3,000 3,000	1,522 1,569	Took Sample #4: Graded 2g
9-Jun-13	20:00	1,092	0.75	1,546	20	1,620	1.50	3,000	1,616	End Stage #2
9-Jun-13	20:00	1,080	0.75	1,591	20	1,620	1.50	8,000	1,616	Begin Stage #3: 8,000 ppm with X-Cide 102w
9-Jun-13	21:00	1,104	0.77	1,637	100	1,716	1.55	8,000	1,745	- 100 100 1
9-Jun-13	22:00	1,080	0.75	1,682	120	1,739	1.61	8,000	1,871	
9-Jun-13	23:00	1,080	0.75	1,727	140	1,759	1.63	8,000	1,997	
10-Jun-13	0:00	1,056	0.73	1,771	175	1,792	1.70	8,000	2,120	Took Sample #5: Graded 8g
10-Jun-13	1:00	1,080	0.75	1,816	200	1,825	1.69	8,000	2,246	End Stage #3
10-Jun-13	1:00	1,080	0.75	1,816	200	1,825	1.69	10,000	2,246	Begin Stage #4: 10,000 ppm with X-Cide 102w
10-Jun-13	2:00	1,104	0.77	1,862	270	1,888	1.71	10,000	2,407	
10-Jun-13	3:00	1,128	0.78	1,909	250	1,868	1.66	10,000	2,571	
10-Jun-13	4:00	1,128	0.78	1,956	330	1,948	1.73	10,000	2,735	T 10 1 #0 0 1 10
10-Jun-13	5:00	1,104	0.77	2,002	340	1,971	1.79	10,000	2,896	Took Sample #6: Graded 9e
10-Jun-13 10-Jun-13	5:40 5:40	1,080 1,080	0.75 0.75	2,032 2,032	355 355	1,977 1,977	1.83	10,000	3,001 3,001	End Stage #4 Begin Stage #5: Water flush with CRO195 & X-Cide 102w
10-Jun-13	6:00	1,152	0.80	2,048	360	1,990	1.73	0	3,001	5.13100 & 7. 51d6 102W
10-Jun-13	6:45	1,088	0.76	2,082	185	1,811	1.66	0	3,001	End Stage #5. Treatment Completed



