



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1134010
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

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 #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1134010

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

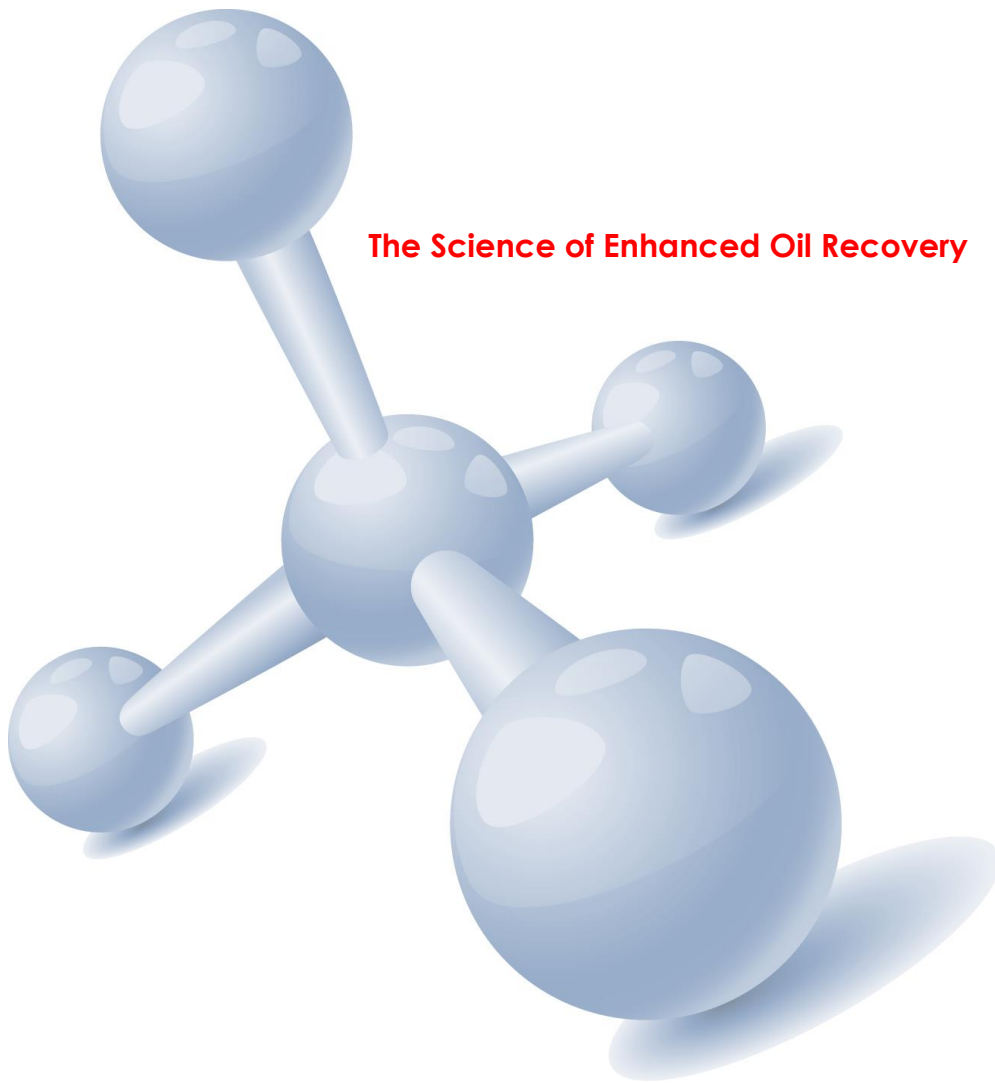
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Citation Oil & Gas Corp.
Well Name	Morel 10
Doc ID	1134010

All Electric Logs Run

CBL
Induction
Micro Log
Compensated Neutron
Geological Report



The Science of Enhanced Oil Recovery

Treatment Summary For

Citation Oil & Gas Corp.

MARCITsm Gel Conformance

Cooper

Morel #10

Graham County, Kansas

May 7, 2013

TIORCO
A NALCO & STEPAN COMPANY

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 May 4, 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 2,274 BBLs of gel. The treatment started on May 4, 2013 at 19:00 and ended on May 7, 2013 at 00:13. The gel was made-up of 3,410 lbs. of EOR204 (Medium molecular weight polymer) and 738 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

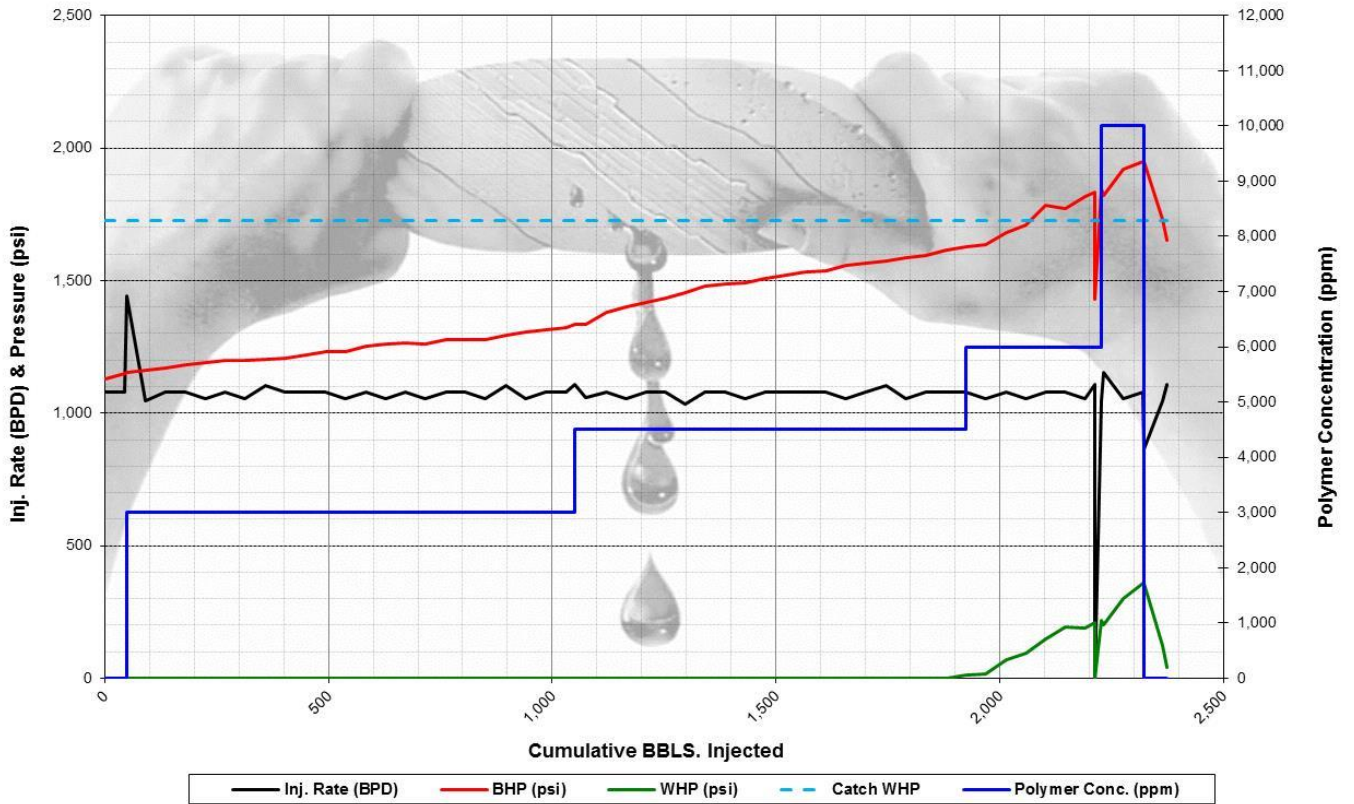
Stage	Date	Time	Date	Time	Polymer ppm	BBSL / Stage	WHP (psi)		BHP (psi)		Pump Rate (bpd)		Comments
	Begin	Begin	End	End			Begin	End	Begin	End	Begin	End	
1	5/4/13	7:00 PM	5/4/13	8:05 PM	0	50	0	0	1,127	1,151	1,080	1,080	Stage #1: Water Flush with CRO195 & X-Cide 102w
2	5/4/13	8:05 AM	5/5/13	6:26 PM	3,000	1,000	0	0	1,151	1,333	1,080	1,080	Stage #2: 3,000 ppm with X-Cide 102w
3	5/5/13	6:26 PM	5/6/13	2:00 PM	4,500	875	0	10	1,333	1,629	1,080	1,080	Stage #3: 4,500 ppm with X-Cide 102w
4	5/6/13	2:00 PM	5/6/13	8:55 PM	6,000	303	10	220	1,629	1,844	1,080	1,080	Stage #5: 6,000 ppm with X-Cide 102w
5	5/6/13	8:55 PM	5/6/13	11:05 PM	10,000	96	220	360	1,844	1,948	1,080	1,080	Stage #5: 10,000 ppm with X-Cide 102w
6	5/6/13	11:05 PM	5/7/13	12:13 AM	0	50	360	40	1,948	1,651	1,080	1,080	Stage #6: Water Flush with CRO 195 & X-Cide 102w
Totals						2,374							

MARCITSM GEL QA/QC

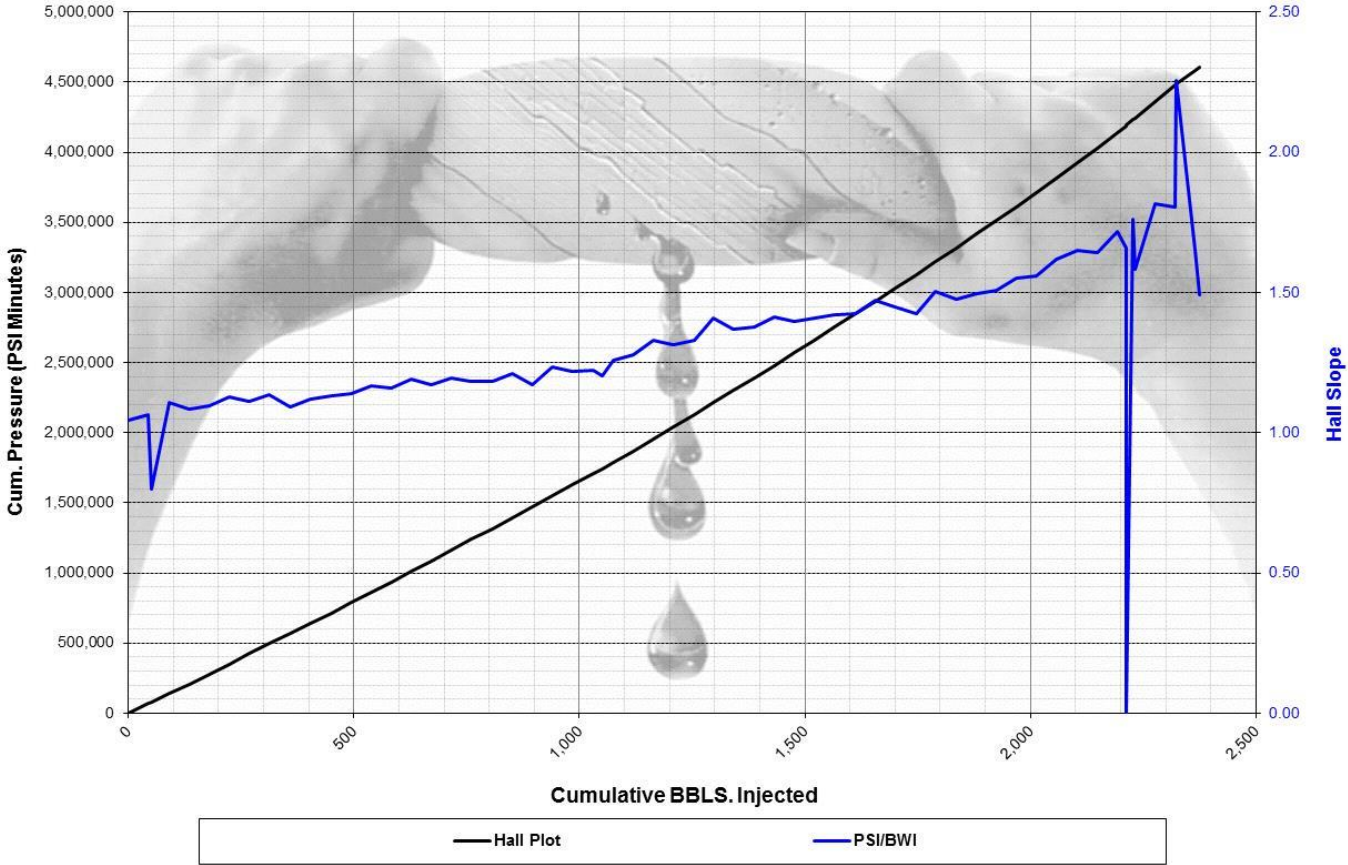
Sample No.	Treatment Stage	Sample Date	Sample Time	Cum. Bbls.	Polymer ppm	Polymer:X-Linker Ratio	Comments
1	2	05/04/13	23:00	180	3,000	40:1	Graded 2s
2	2	05/05/13	13:00	806	3,000	40:1	Graded 3g
3	2	05/05/13	17:00	985	3,000	40:1	Graded 4g
4	3	05/05/13	20:00	1,120	4,500	40:1	Graded 4g
5	3	05/06/13	00:00	1,297	4,500	40:1	Graded 4g
6	3	05/06/13	12:00	1,835	4,500	40:1	Graded 5g
7	4	05/06/13	16:00	2,014	6,000	40:1	Graded 6g
8	4	05/06/13	20:00	2,192	6,000	40:1	Graded 6g
9	5	05/06/13	22:00	2,276	10,000	40:1	Graded 9e



RATE, PRESSURE, & CONCENTRATION



HALL SLOPE



TREATMENT JOB LOG

DATE	TIME	INJECTION RATE		CUM. INJ BBLs	WHP PSI	BHP PSI	HALL SLOPE	Polymer PPM	POLYMER LBS: Estimate	COMMENTS
		BPD	BPM							
4-May-13	19:00	1,080	0.75	0	0	1,127	1.04	0	0	Begin Stage #1: Water Flush with Baker CRO195 & X-Cide 102w
4-May-13	20:00	1,080	0.75	45	0	1,151	1.07	0	0	
4-May-13	20:05	1,440	1.00	50	0	1,152	0.80	0	0	End Stage #1
4-May-13	20:05	1,440	1.00	50	0	1,152	0.80	3,000	0	Begin Stage #2: 3,000 PPM with Baker 102w
4-May-13	21:00	1,047	0.73	90	0	1,161	1.11	3,000	42	
4-May-13	22:00	1,080	0.75	135	0	1,172	1.09	3,000	89	
4-May-13	23:00	1,080	0.75	180	0	1,184	1.10	3,000	136	Took Sample #1: Graded 2s
5-May-13	0:00	1,056	0.73	224	0	1,191	1.13	3,000	183	
5-May-13	1:00	1,080	0.75	269	0	1,199	1.11	3,000	230	
5-May-13	2:00	1,056	0.73	313	0	1,200	1.14	3,000	276	
5-May-13	3:00	1,104	0.77	359	0	1,204	1.09	3,000	324	
5-May-13	4:00	1,080	0.75	404	0	1,209	1.12	3,000	371	
5-May-13	5:00	1,080	0.75	449	0	1,221	1.13	3,000	419	
5-May-13	6:00	1,080	0.75	494	0	1,230	1.14	3,000	466	
5-May-13	7:00	1,056	0.73	538	0	1,232	1.17	3,000	512	
5-May-13	8:00	1,080	0.75	583	0	1,251	1.16	3,000	559	
5-May-13	9:00	1,056	0.73	627	0	1,259	1.19	3,000	605	
5-May-13	10:00	1,080	0.75	672	0	1,263	1.17	3,000	652	
5-May-13	11:00	1,056	0.73	716	0	1,261	1.19	3,000	699	
5-May-13	12:00	1,080	0.75	761	0	1,278	1.18	3,000	746	
5-May-13	13:00	1,080	0.75	806	0	1,278	1.18	3,000	793	Took Sample #2: Graded 3g
5-May-13	14:00	1,056	0.73	850	0	1,279	1.21	3,000	839	
5-May-13	15:00	1,104	0.77	896	0	1,295	1.17	3,000	887	
5-May-13	16:00	1,056	0.73	940	0	1,304	1.23	3,000	934	
5-May-13	17:00	1,080	0.75	985	0	1,315	1.22	3,000	981	Took Sample #3: Graded 4g
5-May-13	18:00	1,080	0.75	1,030	0	1,322	1.22	3,000	1,028	
5-May-13	18:26	1,108	0.77	1,050	0	1,333	1.20	3,000	1,049	End Stage #2 @ 3,000 ppm
5-May-13	18:26	1,108	0.77	1,050	0	1,333	1.20	4,500	1,049	Begin Stage #3: 4,500 ppm with Baker 102w
5-May-13	19:00	1,059	0.74	1,075	0	1,333	1.26	4,500	1,088	
5-May-13	20:00	1,080	0.75	1,120	0	1,382	1.28	4,500	1,159	Took Sample #4: Graded 4g
5-May-13	21:00	1,056	0.73	1,164	0	1,402	1.33	4,500	1,228	
5-May-13	22:00	1,080	0.75	1,209	0	1,419	1.31	4,500	1,299	
5-May-13	23:00	1,080	0.75	1,254	0	1,435	1.33	4,500	1,370	
6-May-13	0:00	1,032	0.72	1,297	0	1,455	1.41	4,500	1,438	Took Sample #5: Graded 4g
6-May-13	1:00	1,080	0.75	1,342	0	1,479	1.37	4,500	1,508	
6-May-13	2:00	1,080	0.75	1,387	0	1,487	1.38	4,500	1,579	
6-May-13	3:00	1,056	0.73	1,431	0	1,493	1.41	4,500	1,648	
6-May-13	4:00	1,080	0.75	1,476	0	1,508	1.40	4,500	1,719	
6-May-13	5:00	1,080	0.75	1,521	0	1,521	1.41	4,500	1,790	
6-May-13	6:00	1,080	0.75	1,566	0	1,534	1.42	4,500	1,861	
6-May-13	7:00	1,080	0.75	1,611	0	1,537	1.42	4,500	1,932	
6-May-13	8:00	1,056	0.73	1,655	0	1,556	1.47	4,500	2,001	
6-May-13	9:00	1,080	0.75	1,700	0	1,564	1.45	4,500	2,072	
6-May-13	10:00	1,104	0.77	1,746	0	1,573	1.42	4,500	2,144	
6-May-13	11:00	1,056	0.73	1,790	0	1,586	1.50	4,500	2,213	
6-May-13	12:00	1,080	0.75	1,835	0	1,596	1.48	4,500	2,284	Took Sample #6: Graded 5g
6-May-13	13:00	1,080	0.75	1,880	0	1,614	1.49	4,500	2,355	
6-May-13	14:00	1,080	0.75	1,925	10	1,629	1.51	4,500	2,426	End Stage #3
6-May-13	14:00	1,080	0.75	1,925	10	1,629	1.51	6,000	2,426	Begin Stage #4: 6,000 ppm with Baker 102w
6-May-13	15:00	1,056	0.73	1,969	18	1,637	1.55	6,000	2,518	
6-May-13	16:00	1,080	0.75	2,014	70	1,683	1.56	6,000	2,612	Took Sample #7: Graded 6g
6-May-13	17:00	1,056	0.73	2,058	95	1,711	1.62	6,000	2,705	
6-May-13	18:00	1,080	0.75	2,103	150	1,782	1.65	6,000	2,799	
6-May-13	19:00	1,080	0.75	2,148	195	1,773	1.64	6,000	2,894	
6-May-13	20:00	1,056	0.73	2,192	190	1,815	1.72	6,000	2,986	Took Sample #8: Graded 6g
6-May-13	20:26	1,108	0.77	2,212	210	1,835	1.66	6,000	3,028	Shut Down - Trilobite BHP tool pack off and hammer unions leaking as well as a valve.
6-May-13	20:33	0	0.00	2,212	0	1,430	0.00	6,000	3,028	Restart treatment after BHP tool repairs completed.
6-May-13	20:55	1,047	0.73	2,228	220	1,844	1.76	6,000	3,061	End Stage #4
6-May-13	20:55	1,047	0.73	2,228	220	1,844	1.76	10,000	3,061	Begin Stage #5: 10,000 PPM with Baker 102w
6-May-13	21:00	1,152	0.80	2,232	200	1,823	1.58	10,000	3,075	



DATE	TIME	INJECTION RATE		CUM. INJ BBLs	WHP PSI	BHP PSI	HALL SLOPE	Polymer PPM	POLYMER LBS: Estimate	COMMENTS
		BPD	BPM							
6-May-13	22:00	1,056	0.73	2,276	300	1,918	1.82	10,000	3,229	Took Sample #9: Graded 9e
6-May-13	23:00	1,080	0.75	2,321	360	1,948	1.80	10,000	3,387	
6-May-13	23:05	864	0.60	2,324	360	1,948	2.25	10,000	3,397	End Stage #5
6-May-13	23:05	864	0.60	2,324	360	1,948	2.25	0	3,397	Begin Stage #6: Water Flush with Baker CRO195 & X-Cide 102w.
7-May-13	0:00	1,047	0.73	2,364	125	1,729	1.65	0	3,397	
7-May-13	0:13	1,108	0.77	2,374	40	1,651	1.49	0	3,397	End Stage #6. Treatment Completed



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

No. 885A

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-16-13	3	10	21	Graham	KS		12:00AM

Location *Falco 2 S, 4W, 1S, 1/2W, N1/2*

Lease <i>Morel</i>	Well No. <i>10</i>	Owner
Contractor <i>Duke #10</i>		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 <i>Surface</i>		
Hole Size <i>12 1/4</i>	T.D. <i>1789</i>	Charge To <i>Citation Oil & Gas</i>
Csg. <i>8 5/8</i>	Depth <i>1782.23</i>	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. <i>84.35'</i>	Shoe Joint <i>84.35'</i>	Cement Amount Ordered <i>650 Sx Com 3%CC 2%Gel</i>

Meas Line Displace *108661*

EQUIPMENT

	No.	Cementer		Common
Pumptrk <i>16</i>		Helper <i>CISCO</i>	<i>PU Trans</i>	Poz. Mix
	No.	Driver		Gel.
Bulktrk <i>12</i>		Driver		Calcium
	No.	Driver		
Bulktrk <i>8</i>		Driver		

JOB SERVICES & REMARKS

Remarks: <i>cement did Circulate</i>	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling
	Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer <i>12</i>
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	<i>Baffle plate</i>
	<i>1 Rubber plug</i>
	Pumptrk Charge
	Mileage

	Tax
	Discount
	Total Charge

X Signature *[Handwritten 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. 6700

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-21-13	3	10	21	Graham	KS		6:45 A.M.

Location Palco 2S 4W 1S 12W N10

Lease	Well No.	Owner
Merei	10	To Quality Oilwell Cementing, Inc.

Contractor	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	Production String	

Hole Size	T.D.	Charge To
7 7/8	3966	Citation 0.14 Cofs

Csg.	Depth	Street
5/2	3959	

Tbg. Size	Depth	City	State

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

Cement Left in Csg.	Shoe Joint	Cement Amount Ordered
78.26	78.26	2350m 10% salt + 2% bcl

Meas Line	Displace	1/4 #F10 500 gal med clear
	92 1/4 BC	

EQUIPMENT

Pumptrk	No.	Cementer	Common
9		Greg	235
Bulktrk	No.	Helper	Poz. Mix
		Cody	
Bulktrk	No.	Driver	Gel.
1		Clayton	4
			Calcium

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole 30SK	Salt 20
Mouse Hole 15SK	Flowseal 58H
Centralizers	Kol-Seal
Baskets	Mud CLR 48 500 gal
D/V or Port Collar	CFL-117 or CD110 CAF 38
5/2 size 3959 insert 3880.24	Sand
Est. Circulation. Pump seal med clear	Handling 259
10.00 special Plug rather than mouse hole.	Mileage

FLOAT EQUIPMENT

Cement 5/2 with 190SK Clear	Guide Shoe
lines & Displace Plug. Plug landed	5/2
1500# Hold Release Pressure.	Centralizer
	14 Turbols
	Baskets
	2 Red
	AFU Inserts
	Float Shoe
	Butt weld
	Latch Down
	1
	Rotator

Pumptrk Charge	prod lowy string
Mileage	43

Signature	Tax
<i>Glasman</i>	Discount
	Total Charge

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/>

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

Sam Brownback, Governor

May 22, 2013

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

Re: ACO1
API 15-065-23905-00-00
Morel 10
SE/4 Sec.03-10S-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