



KANSAS CORPORATION COMMISSION 1102192
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31819
Name: Cholla Production, LLC
Address 1: 7851 S ELATI ST STE 201
Address 2: _____
City: LITTLETON State: CO Zip: 80120 + 8081
Contact Person: Emily Hundley-Goff
Phone: (303) 623-4565
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Bill Goff
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- 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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

<u>11/21/2011</u>	<u>11/26/2011</u>	<u>1/12/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-039-21143-00-00

Spot Description: _____
NE SW NE NW Sec. 23 Twp. 2 S. R. 30 East West
700 Feet from North / South Line of Section
1940 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Decatur

Lease Name: May-Jording Well #: 2-23

Field Name: Jording

Producing Formation: Lansing

Elevation: Ground: 2843 Kelly Bushing: 2847

Total Depth: 4100 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 305 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 2591 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: 19000 ppm Fluid volume: 750 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: Deanna Garriso Date: 11/27/2012



1102192

Operator Name: Cholla Production, LLC Lease Name: May-Jording Well #: 2-23
 Sec. 23 Twp. 2 S. R. 30 East West County: Decatur

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets)	<input checked="" 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 checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	2582	266
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3785	-937
Electric Log Submitted Electronically (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	3830	-982
		BKC	4052	-1204

List All E. Logs Run:

DIL
FDC/CNL
MEL

CASING RECORD <input checked="" 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
Surface	12.25	8.625	23	305	Class A	170	2%ge; 3% CC
Production	7.875	4.5	11.6	4077	ASC	120	10% salt; 2% gel; 5% gilsonite/s+

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2597-2597	Allied Light	425	5#gilsonite and 1/4#flowseal/sack

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
4	3994-98	400 gal 15%MCA DFE	3994-98
4	3912-16	400 gal 15% MCA DFE	3912-16
4	3861-66	1200 GAL 15% DFE gelled acid	3861-66

TUBING RECORD:	Size: 2.375	Set At: 4028	Packer At: SN@4012	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. 1/12/2012	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls. 5	Gas Mcf	Water Bbls. 45	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: 3861-3998
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ALLIED CEMENTING CO., LLC. 035934

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT
OAKLEY

DATE <u>11-21-77</u>	SEC <u>23</u>	TWP. <u>25</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>12:30 PM</u>	JOB START <u>2:45 PM</u>	JOB FINISH <u>3:15 PM</u>
LEASE <u>MAY - NOV 1977</u>	WELL # <u>2-23</u>	LOCATION <u>Oberlin 5W-3N-12W-</u>				COUNTY <u>DECATUR</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>		<u>5 Into</u>					

CONTRACTOR <u>W & W DRILL RIG # 4</u>	OWNER <u>SOME</u>
TYPE OF JOB <u>SUREACK</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>306'</u>
CASING SIZE <u>8 3/8</u>	DEPTH <u>306</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
FRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS	
DISPLACEMENT <u>18 1/2 ABLS</u>	
EQUIPMENT	

PUMP TRUCK # <u>AL3-281</u>	CEMENTER <u>TERRY</u>
	HELPER <u>ANDREW</u>
BULK TRUCK # <u>374</u>	DRIVER <u>TYLER</u>
BULK TRUCK #	DRIVER

CEMENT AMOUNT ORDERED	<u>190 SKS COM 8866 28921</u>	
COMMON	<u>190 SKS</u>	@ <u>16.25</u> = <u>3087.50</u>
POZMIX		@
GEL	<u>4 SKS</u>	@ <u>21.25</u> = <u>85.00</u>
CHLORIDE	<u>7 SKS</u>	@ <u>59.20</u> = <u>407.40</u>
ASC		@
HANDLING	<u>201</u>	@ <u>2.25</u> = <u>452.25</u>
MILEAGE	<u>1/4 per SK/mile</u>	= <u>1547.25</u>
TOTAL		<u>5579.25</u>

REMARKS:
Hook up 8 3/8" Hardmaxwell, break circulation, circulate 10 min, mix 190 SKS com 8866 28921, no place plug with 18 1/2 ABLS water - shut in cement.
CEMENT used CERC.

THANK YOU

CHARGE TO: Cholla Production LLC.
STREET _____
CITY _____ STATE _____ ZIP _____

SERVICE	
DEPTH OF JOB	<u>306'</u>
PUMP TRUCK CHARGE	<u>1125.00</u>
EXTRA FOOTAGE	@
MILEAGE	<u>70 X 2</u> = <u>140.00</u>
MANIFOLD # <u>Hand</u>	@ <u>2.00</u> = <u>2.00</u>
<u>Wash</u> <u>1/4 per SK/mile</u> <u>70 X 2</u>	@ <u>5.00</u> = <u>560.00</u>
TOTAL <u>2865.00</u>	

PLUG & FLOAT EQUIPMENT	
<u>8 3/8 wooden plug</u>	<u>92.00</u>
	@
	@
	@
	@
TOTAL <u>92.00</u>	

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
TOTAL CHARGES _____
DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME John Mondero
SIGNATURE John J. Mondero

ALLIED CEMENTING CO., LLC. 036040

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Dakota

DATE <u>11/26/11</u>	SEC. <u>25</u>	TWP. <u>23</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION <u>3:30 PM</u>	JOB START <u>8:00</u>	JOB FINISH <u>10:30</u>
WELL # <u>2-23</u>	LOCATION: <u>Oberlin W 100 P 25 31 N</u>		COUNTY <u>Hutchinson</u>		STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR W W Y

TYPE OF JOB Production - 2 stage

HOLE SIZE 7 7/8 TD

CASING SIZE 4 1/2 DEPTH 4089.43

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH

TOOL OK DEPTH 2614 KO

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 20.86

CEMENT LEFT IN CSG. 20.86

PERFS.

DISPLACEMENT

OWNER Sam

CEMENT

AMOUNT ORDERED 120 ASC 1070 S&T 29 gal

52 Gilwhite

5700 gal WFA TT

ALLU	450 SK	14.00	6525.00
POZMIX			
GEL	2	21.25	42.50
CHLORIDE			
ASC	120 SK	19.00	2280.00
Gilwhite	600 lb	8.75	525.00
S&T	11 SK	23.00	253.00
FloSeal	113	2.20	248.60
WFA TT	500 gal		635.00
HANDLING	638.73	2.25	1425.00
MILEAGE	10 SK/mile		490.00
TOTAL			16912.05

EQUIPMENT

PUMP TRUCK	CEMENTER	<u>Alan</u>
# <u>475</u>	HELPER	<u>Terry</u>
BULK TRUCK		
# <u>396</u>	DRIVER	<u>Chris</u>
BULK TRUCK		
# <u>247</u>	DRIVER	<u>Tyler</u>

REMARKS:

Run on both MINERTE, W&S, Discharge to Catchdown
1500 FT lead plug @ 100' 1st. First drill 150'
Drop down tool, open tool, max 20 SK & hole.
Max 1450 SK, down 1 1/2 Cas. Display
Plug to tool at 800' 1st. 2nd lead plug
@ 2000' 1st. Tool closed.
Cement bid cementite.
F. Smith
Alan, Terry, Tyler, Chris

SERVICE

DEPTH OF JOB		4098
PUMP TRUCK CHARGE		222.50
EXTRA FOOTAGE		
MILEAGE	20	7.00 420.00
MANIFOLD		
Chloride	20	4.00 280.00
TOTAL 3175.00		

CHARGE TO: Chollas

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

OK		3187.00
Open Float shoe		327.00
Centralizer	6	48.00 288.00
W&S Sizers	10	20.00 200.00
Beulah	1	220.00 220.00
Catch Down Assembly		233.00
TOTAL 5005.00		

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 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

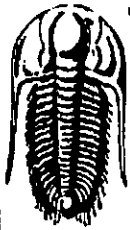
SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME John Monden

SIGNATURE John Monden



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cholla Production, LLC
7851 S. Elati St. STE 201
Littleton, CO 80120
ATTN: Clayton, Erickson

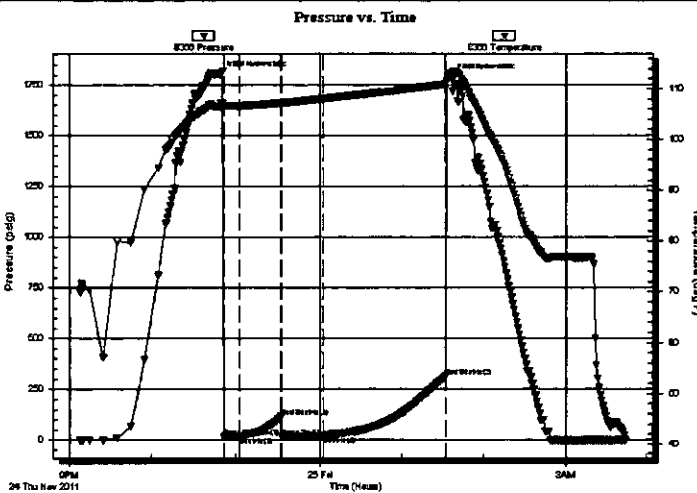
23/2s/30w Decatur KS
May - Jording #2-23
Job Ticket: 45535 **DST#: 1**
Test Start: 2011.11.24 @ 21:08:00

GENERAL INFORMATION:

Formation: **LKC "A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:51:30
Time Test Ended: 03:45:00
Interval: **3788.00 ft (KB) To 3840.00 ft (KB) (TVD)**
Total Depth: **3840.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: James Winder
Unit No: 57
Reference Elevations: **2848.00 ft (KB)**
2843.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 8366 **Inside**
Press@RunDepth: 19.45 psig @ 3789.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.11.24 End Date: 2011.11.25 Last Calib.: 2011.11.25
Start Time: 21:08:05 End Time: 03:44:59 Time On Btm: 2011.11.24 @ 22:48:30
Time Off Btm: 2011.11.25 @ 01:36:00

TEST COMMENT: 10 - IF: Blow built to 1/8"
30 - IS: No blow back
30 - FF: No blow
90 - FS: No blow back



PRESSURE SUMMARY

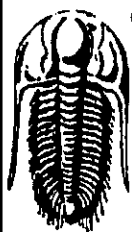
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1802.01	106.43	Initial Hydro-static
3	15.92	106.56	Open To Flow (1)
15	17.97	106.62	Shut-In(1)
44	117.02	107.17	End Shut-In(1)
45	18.37	107.12	Open To Flow (2)
74	19.45	108.01	Shut-In(2)
164	314.86	110.84	End Shut-In(2)
168	1788.13	112.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cholla Production, LLC
 7851 S. Elati St. STE 201
 Littleton, CO 80120
 ATTN: Clayton, Erickson

23/2s/30w Decatur KS
 May - Jording #2-23
 Job Ticket: 45535 DST#: 1
 Test Start: 2011.11.24 @ 21:08:00

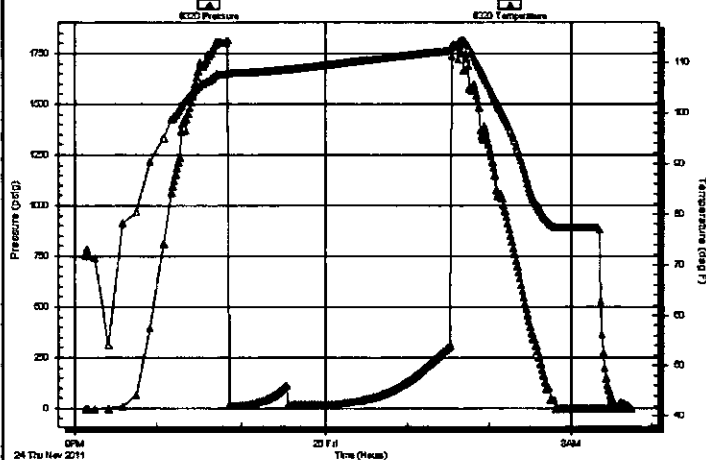
GENERAL INFORMATION:

Formation: **LKC "A"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 22:51:30 Tester: James Winder
 Time Test Ended: 03:45:00 Unit No: 57
 Interval: **3788.00 ft (KB) To 3840.00 ft (KB) (TVD)**
 Reference Elevations: 2848.00 ft (KB)
 Total Depth: 3840.00 ft (KB) (TVD) 2843.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8320 Outside
 Press@RunDepth: psig @ 3789.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.11.24 End Date: 2011.11.25 Last Calib.: 2011.11.25
 Start Time: 21:08:05 End Time: 03:44:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: 10 - IF: Blow built to 1/8"
 30 - IS: No blow back
 30 - FF: No blow
 90 - FSI: No blow back

Pressure vs. Time



PRESSURE SUMMARY

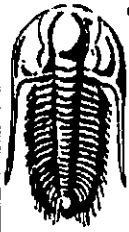
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cholla Production, LLC
7851 S. Elati St. STE 201
Littleton, CO 80120
ATTN: Clayton, Erickson

23/2s/30w Decatur KS
May - Jording #2-23
Job Ticket: 45535 **DST#: 1**
Test Start: 2011.11.24 @ 21:08:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 700.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Sampler : 53 PSI, 2000 mL mud

