



KANSAS CORPORATION COMMISSION 1161533  
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 # \_\_\_\_\_

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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1161533

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# Discovery Drilling

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

## DRILLER'S LOG

Operator: Cattlemans Oil Operations Lic# 7064 Contractor: **Discovery Drilling Co., Inc. LIC#31548**  
2260 Catherine Road PO Box 763  
Hays, KS 67601 Hays, KS 67601

Lease: Hadley # 13 Location: 330 FNL - 2310 FEL  
NW/NW/NE  
Section 20/ 11S/ 17W  
Ellis County, KS

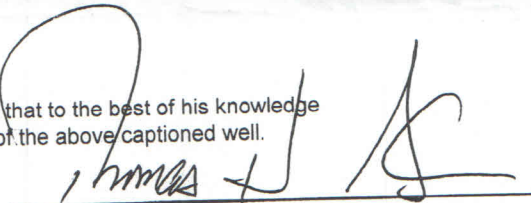
Loggers Total Depth: 3489' API#15- 051-26,546-00-00  
Rotary Total Depth: 3490' Elevation: 1846 GL - 1854 KB  
Commenced: 8/28/2013 Completed: 9/4/2013  
Casing: 8 5/8" @ 259.59'W/150sks Status: Oilwell  
5 1/2" @ 3489.79'W/195sks  
(Port Collar @ 1384')

## DEPTHS & FORMATIONS (All from KB)

Surface, Sand & Shale	<u>0'</u>	Shale	<u>1128'</u>
Dakota Sand	<u>401'</u>	Shale & Lime	<u>1754'</u>
Shale	<u>482'</u>	Shale	<u>2216'</u>
Cedar Hill Sand	<u>596'</u>	Shale & Lime	<u>2668'</u>
Red Bed Shale	<u>747'</u>	Lime & Shale	<u>3010'</u>
Anhydrite	<u>1094'</u>	RTD	<u>3490'</u>
Base Anhydrite	<u>1128'</u>		

STATE OF KANSAS )  
) ss  
COUNTY OF ELLIS )

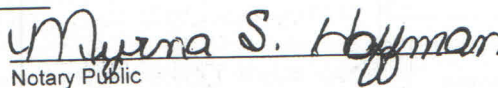
Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

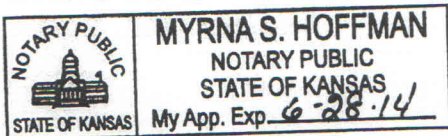
  
Thomas H. Alm

Subscribed and sworn to before me on 9-5-13

My Commission expires: 6-28-14

(Place stamp or seal below)

  
Notary Public



# 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. 7507

Date	9-10-13	Sec.	20	Twp.	11	Range	17	County	Ellis	State	KS	On Location		Finish	1:00PM
Lease								Location							
Hadley								Toulon IV to OPEN RANGE IV to 3rd							
Well No. #4								Owner				Cox/106			
Contractor								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.			
Cottlemans								Charge To				Cottlemans Oil			
Type Job								Street							
Hole Size								Depth				State			
Csg. 5 1/2								1384'							
Tbg. Size 2 1/4								Depth 1384'							
Tool Port Collar								Depth 1384'				The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.								Shoe Joint				Cement Amount Ordered 250 6 1/4 4% Gel 1/4 flo			
Meas Line								Displace 6 bbl							
<b>EQUIPMENT</b>															
Pumptrk 15 No. Cementer								Common 150							
Helper Nick								Poz. Mix 100							
Bulktrk 1 No. Driver								Gel. 9							
Driver Chad								Calcium							
Bulktrk Pu No. Driver								Hulls							
Driver Brett								Salt							
<b>JOB SERVICES &amp; REMARKS</b>															
Remarks:								Flowseal 50#							
Rat Hole								Kol-Seal							
Mouse Hole								Mud CLR 48							
Centralizers								CFL-117 or CD110 CAF 38							
Baskets								Sand							
Port Collar 1384'								Handling 259							
Casing								Mileage							
Test PC to 800 lbs								<b>FLOAT EQUIPMENT</b>							
Open PC Mixed 250 st								Guide Shoe							
Displaced 6 bbl								Centralizer							
Cement Circulated								Baskets							
Run 5 joints								AFU Inserts							
Pumped 25 bbl of H <sub>2</sub> O								Float Shoe							
Washed Truck clean								Latch Down							
Cement Circulated								Pumptrk Charge port collar							
								Mileage 13							
								Tax							
								Discount							
X Signature								Total Charge							

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 7370

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9.4.13	20	11	17	Ellis	KS		1200 A.M.

Location Taylor N Open Range 3N

Lease <u>Hadley</u>	Well No. <u>13</u>	Owner
Contractor <u>D. Scovay #2</u>		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 <u>Production string</u>		Charge To <u>Cattlemans Oil</u>
Hole Size <u>7 7/8</u>	T.D. <u>3490</u>	
Csg. <u>5 1/2</u>	Depth <u>3487</u>	
Tbg. Size	Depth	
Tool <u>Port Collar</u>	Depth <u>1384</u>	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. <u>31.44</u>	Shoe Joint <u>31.44</u>	Cement Amount Ordered <u>240 com 10% Salt</u>
Meas Line	Displace <u>8412BC</u>	<u>500 gal mud clear</u>

**EQUIPMENT**

Pumptrk <u>1</u>	No. <u>Craig</u>	Cement Helper	Common <u>240</u>
Bulktrk	No. <u>Carl</u>	Driver	Poz. Mix
Bulktrk	No. <u>David</u>	Driver	Gel.
		Driver	Calcium

**JOB SERVICES & REMARKS**

Remarks:	Salt <u>20</u>
Rat Hole <u>305K</u>	Flowseal
Mouse Hole <u>155K</u>	Kol-Seal
Centralizers	Mud CLR 48 <u>500 gal</u>
Baskets	GFL-117 or CD110 CAF 38
D/V or Port Collar	Sand
<u>5 1/2 size 3487 Insert @ 3455</u>	Handling
<u>Est. Circulation Pump several mud flush</u>	Mileage

**FLOAT EQUIPMENT**

<u>Plug Rathole - Marescholt Cement 5' below</u>	Guide Shoe <u>1</u>	<u>5 1/2</u>
<u>1955K. Displace Plug</u>	Centralizer <u>4 Turbo's</u>	
<u>Plug tank @ 1100# held. Release</u>	Baskets <u>3</u>	
<u>Pressure Dry. Float Held</u>	AFU Inserts <u>1</u>	
	Float Shoe <u>Port Collar</u>	
	Latch Down <u>Rubber Plug</u>	

Pumptrk Charge PROD Long String

Mileage 15

Tax

Discount

Total Charge

X Signature Paul White

# 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. 7501

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-30-13	20	11	17	Ellis	KS		10:15 PM

Location Towlon N to Open Range 3rd Cattle

Lease <u>Hadley</u>	Well No. <u>13</u>	Owner
Contractor <u>Discovery #2</u>		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 <u>Surface</u>		Charge To <u>Cattleman's 0:1</u>
Hole Size <u>12 1/4</u>	T.D. <u>260'</u>	
Csg. <u>8 5/4</u>	Depth <u>259 1/2'</u>	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. <u>20'</u>	Shoe Joint	Cement Amount Ordered <u>150 3+2</u>
Meas Line	Displace <u>15 bbl</u>	
<b>EQUIPMENT</b>		Common <u>150</u>
Pumptrk <u>5</u> No.	Cement Helper <u>Lonnie W</u>	Poz. Mix
Bulktrk <u>1</u> No.	Driver <u>Lonnie M</u>	Gel. <u>3</u>
Bulktrk <u>PU</u> No.	Driver <u>Brett</u>	Calcium <u>5</u>

**JOB SERVICES & REMARKS**

Remarks:	Salt
Rat Hole	Flowseal
Mouse Hole	Kol-Seal
Centralizers	Mud CLR 48
Baskets	CFL-117 or CD110 CAF 38
D/V or Port Collar	Sand
	Handling <u>158</u>
	Mileage

**FLOAT EQUIPMENT**

<u>Cement</u>	Guide Shoe
	Centralizer
<u>Circulated!!</u>	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge <u>Surface</u>
	Mileage <u>15</u>

X Signature <u>[Signature]</u>	Tax
	Discount
	Total Charge