

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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

1/24/13

OPERATOR: License # 5135
Name: John O. Farmer, Inc.
Address 1: P.O. Box 352
Address 2: _____
City: Russell State: KS Zip: 67665 + 0 3 5 2
Contact Person: Marge Schulte
Phone: (785) 483-3145, Ext. 214
CONTRACTOR: License # 31548
Name: Discovery Drilling Company, Inc.
Wellsite Geologist: Randall Kilian
Purchaser: _____

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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 #: _____

11-24-10 11-28-10
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 147-20,634-00-00
Spot Description: _____
SE SW NW SW Sec. 4 Twp. 5 S. R. 18 East West
1,430 Feet from North / South Line of Section
520 620 Feet from East / West Line of Section
per oper
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Phillips
Lease Name: Hoch Well #: 1
Field Name: (wildcat)
Producing Formation: _____
Elevation: Ground: 1936' Kelly Bushing: 1944'
Total Depth: 3617' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 217 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: 6,000 ppm Fluid volume: 3320 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: John O. Farmer III
Title: John O. Farmer III, President Date: 1-24-11

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KANSAS CORPORATION COMMISSION

Letter of Confidentiality Received
Date: 1/24/11 - 1/24/13 **JAN 25 2011**

Confidential Release Date: _____

Wireline Log Received **CONSERVATION**

Geologist Report Received **WICHITA, KS**

UIC Distribution

ALT I II III Approved by: NJ Date: 1-26-11

Operator Name: John O. Farmer, Inc. Lease Name: Hoch Well #: 1
 Sec. 4 Twp. 5 S. R. 18 East West County: Phillips

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 checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Compensated Density Neutron Log, Dual Induction Log, Micro Resistivity Log, Borehole Compensated Sonic Log	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1490'</td> <td>(+454)</td> </tr> <tr> <td>Topeka</td> <td>2939'</td> <td>(-995)</td> </tr> <tr> <td>Heebner Shale</td> <td>3141'</td> <td>(-1197)</td> </tr> <tr> <td>Toronto</td> <td>3166'</td> <td>(-1222)</td> </tr> <tr> <td>Lansing</td> <td>3183'</td> <td>(-1239)</td> </tr> <tr> <td>Base/KC</td> <td>3403'</td> <td>(-1459)</td> </tr> <tr> <td>Arbuckle</td> <td>3538'</td> <td>(-1594)</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Anhydrite	1490'	(+454)	Topeka	2939'	(-995)	Heebner Shale	3141'	(-1197)	Toronto	3166'	(-1222)	Lansing	3183'	(-1239)	Base/KC	3403'	(-1459)	Arbuckle	3538'	(-1594)
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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	12-1/4"	8-5/8"	23#	222'	Common	160	3% C.C., 2% gel

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Discovery Drilling

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

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JAN 24 2011
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DRILLER'S LOG

Operator: John O. Farmer, Inc. Lic# 5135 Contractor: Discovery Drilling Co., Inc. LIC#31548
P.O. Box 352 PO Box 763
Russell, KS 67665 Hays, KS 67601

Lease: Hoch # 1 Location: SE/SW/NW/SW
Sec. 4/5S/18W
Phillips Co., KS

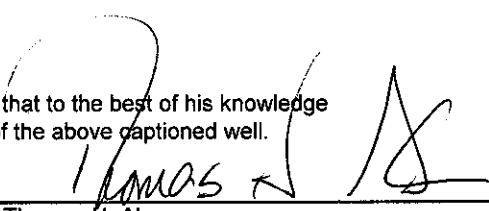
Loggers Total Depth: 3612' API#15- 147-20,634-00-00
 Rotary Total Depth: 3617' Elevation: 1936 GL / 1944 KB
 Commenced: 11/24/2010 Completed: 11/29/2010
 Casing: 8 5/8" @ 222.29'W/160sks Status: D & A

DEPTHS & FORMATIONS (All from KB)

Surface, Sand & Shale	<u>0'</u>	Shale	<u>1527'</u>
Dakota Sand	<u>773'</u>	Shale & Lime	<u>2105'</u>
Shale	<u>827'</u>	Shale	<u>2459'</u>
Cedar Hill Sand	<u>978'</u>	Shale & Lime	<u>2938'</u>
Red Bed Shale	<u>1202'</u>	Lime & Shale	<u>3144'</u>
Anhydrite	<u>1495'</u>	RTD	<u>3617'</u>
Base Anhydrite	<u>1527'</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.

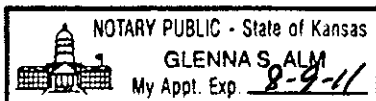

 Thomas H. Alm

Subscribed and sworn to before me on 11-29-10

My Commission expires: 8-9-11

(Place stamp or seal below)


 Notary Public



RECEIVED
 KANSAS CORPORATION COMMISSION
 JAN 25 2011
 CONSERVATION DIVISION
 WICHITA, KS

QUALITY OILWELL CEMENTING, INC.

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

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

No. 4394

Date	11-24-10	Sec.	4	Twp.	5	Range	18	County	Phillips	State	KS	On Location		Finish	7:30 p.m.							
Lease	HOCH	Well No.	1	Location																		
Glad 3W 2S 1/2E 3/4S WINTO																						
Contractor	Discovery #1												Owner									
Type Job	Surface												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	12 1/4												T.D.	222								
Csg.	8 5/8												Depth	222								
Tbg. Size													Depth									
Tool													Depth									
Cement Left in Csg.	15'												Shoe Joint									
Meas Line													Displace	138C								
EQUIPMENT												Cement Amount Ordered				Wad com 39 lbs 2 1/2 gal						
Pumptrk	9	No.	Cement Helper Craig												Common				160			
Bulktrk		No.	Driver Paul												Poz. Mix							
Bulktrk	8	No.	Driver Doug												Gel.				3			
JOB SERVICES & REMARKS																						
Remarks:																						
Rat Hole																						
Mouse Hole																						
Centralizers																						
Baskets																						
D/V or Port Collar																						
8 5/8 on bottom. Est. Circulation.																						
Mix 109C & Displace																						
Cement Circulated																						
Mileage																						
Handling 168																						
Mileage																						
FLOAT EQUIPMENT																						
Guide Shoe																						
Centralizer																						
Baskets																						
AFU Inserts																						
Float Shoe																						
Latch Down																						
Pumptrk Charge																						
Surface																						
Mileage																						
59																						
RECEIVED KANSAS CORPORATION																						
JAN 25 2011																						
CONSERVATIVE WIGHT Tax																						
Discount																						
Total Charge																						
Signature																						
C. J. McPherson																						

QUALITY OILWELL CEMENTING, INC.

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

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

No. 4482

Date	11-29-10	Sec.	4	Twp.	S	Range	18	County	Phillips	State	Ks	On Location		Finish	6:30 AM			
Lease	Hoch	Well No.	#1	Location								Glade, Ks, 3W, 2S, 18E, 3/4 S, W/4						
Contractor	D. Scovery Drilling #1								Owner									
Type Job	plug									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	7 7/8"	T.D.	3617'									Charge To				John O Farmer		
Csg.		Depth	3515'									Street						
Tbg. Size	4 1/2"	Depth										City						
Tool		Depth										State						
Cement Left in Csg.		Shoe Joint										The above was done to satisfaction and supervision of owner agent or contractor.						
Meas Line		Displace	H2O/mud									Cement Amount Ordered				245 sx 60/40 4% Gel 1/4# F.S.		
EQUIPMENT																		
Pumptrk	1	No.		Cement		Helper	Cisco	Common								147		
Bulktrk	8	No.		Driver		Driver	Darryl	Poz Mix								98		
Bulktrk		No.		Driver		Driver	Rick	Gel								9		
JOB SERVICES & REMARKS																		
Remarks																		
Rat Hole																		
Mouse Hole																		
Centralizers																		
Baskets																		
D/V or Port Collar																		
3515' - 25 sx																		
1525' - 25 sx																		
925' - 100 sx																		
275' - 40 sx																		
40' - 10 sx																		
Rathole - 30 sx																		
Mousehole - 15 sx																		
245 sx 60/40 4% Gel 1/4# F.S.																		
QUALITY OILWELL CEMENTING																		
Cement Circulate did																		
1 - Day hole plug																		
Pumptrk Charge plug																		
Mileage 59																		
RECEIVED KANSAS CORPORATION COMMISSION																		
JAN 25 2011																		
CONSERVATION DIVISION WICHITA, KS																		

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JAN 24 2011
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X Signature *Chad Mayfield*

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KANSAS CORPORATION COMMISSION
JAN 25 2011
Total Charge

CONSERVATION DIVISION
WICHITA, KS