



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
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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

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: _____



1099815

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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ 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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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LITHOLOGY STRIP LOG

WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Grabbe "B" 1
Location: NE-NE-NE/4 Section 21 T15S-R18
License Number: API: 15-051-26304-00-00
Spud Date: May 14, 2012
Surface Coordinates: 330' FNL & 330' FEL Section 21 T15S-R18W
Region: Ellis County, KS
Drilling Completed: May 22, 2012

Bottom Hole Coordinates:

Ground Elevation (ft): 2006' K.B. Elevation (ft): 2014'
Logged Interval (ft): 2850 To: TD Total Depth (ft): 3676
Formation:
Type of Drilling Fluid: Chemical Displaced at 2850'

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Dreiling Oil, Inc.
Address: P.O. Box 550
Hays, KS 67601

GEOLOGIST

Name: Roger L. Fisher
Company: 1928 N. Garland
Address: Wichita Kansas, 67203

COMMENTS

Surface Casing: 1175' of 8 5/8"
Production Casing: 3576' of 5 1/2"
Deviation Surveys: 1 degree at 3300' 1 at T.D.
Pipe Strap @ .13 short at 3300
Discovery Rig #4
Mud System: Mud Co
DSTs: Tribolite Testing Inc.
OH Logs: ELI Wireline; DLL, CDL/CNL, Micro

DSTs

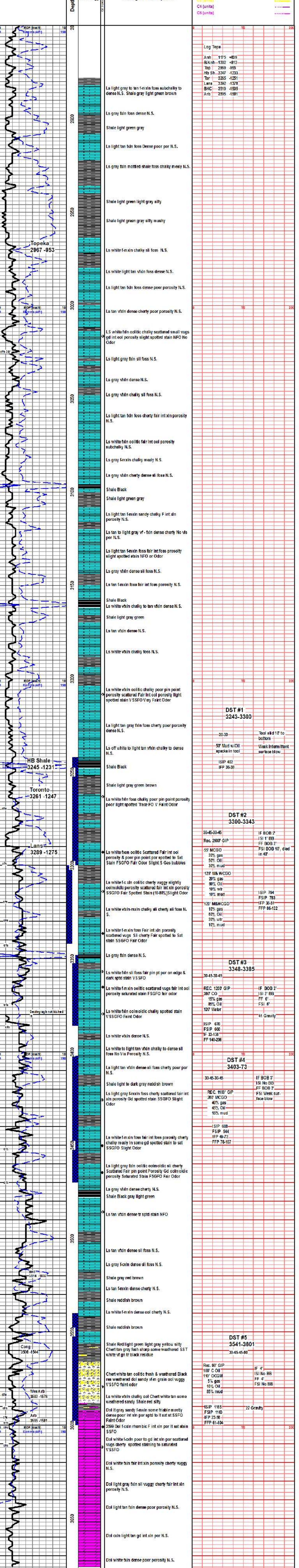
DSTs

ROCK TYPES

Anhy	Congl	Lmst	Black sh
Bent	Sdy dolo	Mrlst	Gry sh
Brec	Shy dolo	Salt	Shale
Cht	Dol	Siltst	Shlystst
Clyst	Gyp	Sls	
Coal	Sdy lrmst		

ACCESSORIES

MINERAL	FOSSIL	STRINGER	TEXTURE
Anhy	Chlorite	Pelec	Grysh
Arg	Dol	Fellet	Grysit
Bent	Sand	Fisolite	Lms
Bit	Shty	Plant	Sandyllms
Brecfrag	Algae	Strom	Sh
Calc	Amph	Fuss	Siltstn
Calc	Belm	Oormoldic	
Chtdk	Biolclst		
Chdt	Brach		
Dol	Bryozoa		
Ferpel	Cephal		
Ferr	Coral		
Glau	Crin		
Gyp	Echin		
Marl	Feram		
Nodule	Fossil		
Phos	Gastro		
Pyr	Oolite		
Salt	Ostra		
Sandy			
Silt			



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

No. 421

Phone 785-483-2025

Cell 785-324-1041

Date	5-15-12	Sec.	20	Twp.	15	Range	18	County	Ellis	State	Ks	On Location	6:15 PM	Finish
Lease	Grabe "B"		Well No.	2		Hay's Mack - Southside, 1 1/2 mi. N								

Contractor **Discoverly #4**

Type Job **Surface**

Hole Size **12 1/4"**

Csg. **8 5/8"**

Depth **1175'**

Depth **1175'**

Tool **15'**

Cement Left in Csg. **15'**

Meas Line **73 3/4 BLS**

Displace **440 5x Common 3 1/2 CC**

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

Owner **To Quality Oilwell Cementing, Inc.**

You are hereby requested to rent cementing equipment and furnish

center and helper to assist owner or contractor to do work as listed.

Charge **Dreiling oil**

To **Street**

City **State**

Shoe Joint **15'**

Equipment

Pumptrk 9 No. **Center Matt**

Bulktrk 4 No. **Driver Doug**

Bulktrk 4 No. **Driver Doug**

Common **440 2% Gel**

Pos. Mix **8**

Gel. **8**

Calcium **16**

Hulls

Salt

Flowseal

Kol-Seal

Mud CLR 48

CFL-117 or CD110 CAF 38

Sand

Handling **464**

Mileage

Guide Shoe **2**

Centralizer **2**

Baskets **2**

AFU Inserts

Float Shoe

Latch Down

1 - Baffle plate

1 - Rubber plug

Pumptrk Charge **Long Surface**

Mileage **12**

Tax

Discount

Total Charge

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. 395

Cell 785-324-1041

Date	5-22-12	Sec.	20	Twp.	15	Range	18	County	ELIOT	State	KANSAS	On Location		Finish	9:15 PM
Lease	GRABBE "B"		Well No.	# 2		Location HAYS-STOCKHOLM GOLD RD - LW - SINTO									
Contractor	DISCOVERY DRILLING RIG # 4					Owner DRETLING OIL INC.									
Type Job	PROD. STRING					To Quality Oilwell Cementing, Inc.									
Hole Size	8 5/2"					T.D. 3676'					You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
Csg.	5 5/2" - 14 LB NEW					Depth 3674.27'					Charge To DRETLING OIL INC.				
Tbg. Size						Depth					Street P.O. Box 550				
Tool						Depth					City HAYS State KANSAS, 67160				
Cement Left in Csg.	43.31					Shoe Joint 43.31'					The above was done to satisfaction and supervision of owner agent or contractor.				
Meas Line						Displace 88 1/2 BLS					Cement Amount Ordered 200 com - 10% SALT				

EQUIPMENT

Pumptrk #15	No.	Cementor	NICK	Common	260
Bulktrk #8	No.	Helper		Poz. Mix	
Bulktrk P/u	No.	Driver	CODY	Gel.	
		Driver	BOXY	Calcium	
		Driver	CISCO	Hulls	

JOB SERVICES & REMARKS

Remarks:		Salt	17
Rat Hole	30 SKS	Flowseal	
Mouse Hole	15 SKS	Kol-Seal	
Centralizers		Mud CLR 48	500 GAL.
Baskets		CFL-117 or CD110 CAF 38	
D/V or Port Collar		Sand	
		Handling	217
		Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	5-5 1/2" CENTRALIZERS
Baskets	+ 5 1/2" BASKET
AFU Inserts	
Float Shoe	1-5 1/2"
Latch Down	1-5 1/2" WITH PLUG

Pumptrk Charge prod Long Stray
Mileage 12

Tax

Discount



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Drilling Oil Co.

20-15s-18w Ellis,KS

PO Box 550
Hays KS 67601

Grabbe B #2

Job Ticket: 47328

DST#: 2

ATTN: Roger Fisher

Test Start: 2012.05.19 @ 09:46:05

GENERAL INFORMATION:

Formation: **LKC"C&D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:32:40

Time Test Ended: 16:14:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Andy Carreira

Unit No: 39

Interval: **3300.00 ft (KB) To 3343.00 ft (KB) (TVD)**

Total Depth: 3343.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2014.00 ft (KB)

2006.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **8372**

Outside

Press@RunDepth: 122.03 psig @ 3305.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.19

End Date: 2012.05.19

Last Calib.: 2012.05.19

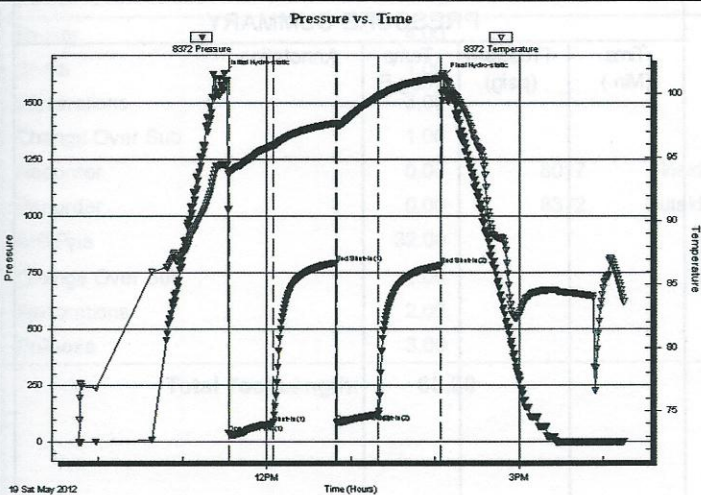
Start Time: 09:46:05

End Time: 16:14:50

Time On Btm: 2012.05.19 @ 11:29:50

Time Off Btm: 2012.05.19 @ 14:05:50

TEST COMMENT: IF:(30min) BOB, 1 min.
ISl:(45min) Return Blow, Built to 1" Died in 15 min.
FF:(30min) BOB, 2 min.
FSl:(45min) Return Blow, BOB 10 min. Died in 40 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1633.72	94.41	Initial Hydro-static
3	38.12	93.65	Open To Flow (1)
35	81.54	95.94	Shut-In(1)
80	794.90	97.69	End Shut-In(1)
80	86.23	97.45	Open To Flow (2)
110	122.03	99.79	Shut-In(2)
155	783.66	101.23	End Shut-In(2)
156	1618.33	101.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	M&WCGO g=10% m=10% w=20% o=60%	1.40
125.00	M&WCGO g=20% m=10% w=10% o=60%	1.75
55.00	MCGO g=20% m=30% o=50%	0.77
0.00	GIP= 2900ft	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dreiling Oil Co.

20-15s-18w Ellis, KS

PO Box 550
Hays KS 67601

Grabbe B #2

Job Ticket: 47330

DST#: 4

ATTN: Roger Fisher

Test Start: 2012.05.20 @ 16:49:05

GENERAL INFORMATION:

Formation: LKC"H,I,J"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:32:40

Time Test Ended: 23:21:59

Test Type: Conventional Bottom Hole (Reset)

Tester: Andy Carreira

Unit No: 39

Interval: 3403.00 ft (KB) To 3470.00 ft (KB) (TVD)

Total Depth: 3470.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2014.00 ft (KB)

2006.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8372

Outside

Press@RunDepth: 107.67 psig @ 3409.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.20

End Date: 2012.05.20

Last Calib.: 2012.05.20

Start Time: 16:49:05

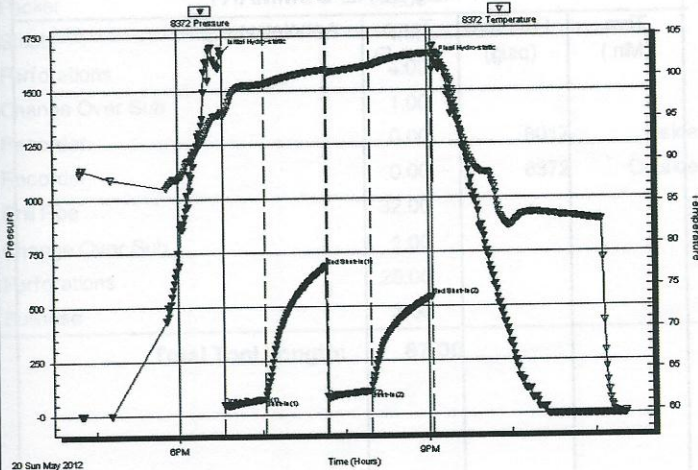
End Time: 23:21:59

Time On Btm: 2012.05.20 @ 18:32:20

Time Off Btm: 2012.05.20 @ 21:04:20

TEST COMMENT: IF:(30min) BOB, 3 min.
IS:(45min) Slight Retutn Surface Blow , Died in 10 min.
FF:(30min) BOB, 2 min.
FS:(45min) Return surface blow .

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1675.82	95.83	Initial Hydro-static
1	49.91	95.26	Open To Flow (1)
30	72.51	99.14	Shut-In(1)
74	688.11	100.78	End Shut-In(1)
75	78.72	100.47	Open To Flow (2)
107	107.67	101.26	Shut-In(2)
151	544.38	102.72	End Shut-In(2)
152	1637.33	103.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
260.00	MCOG m=15% g=40% o=45%	3.36
0.00	GIP= 1100ft	0.00

* Recovery from multiple tests

Gas Rates

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

