

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1252839  
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: \_\_\_\_\_

1252839



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 <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  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				

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: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

<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> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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**MORNING DRILLING REPORT**

**SOUTHWIND DRILLING, INC.**

H&D Exploration, LLC

RIG No. 1

Well Name: DeWald #1  
 Location: 2090' FSL & 1090' FWL  
 Section: 25-15S-15W  
 County: Russell  
 API: 15-167-24031-00-00

Elevation: GL 1912'  
 KB 1922'  
 Est. TD: 3400'

Rig No. 1 (Pusher Larry Beavers) 620 617-3478  
 Rig No. 1 (Doghouse) 820 794-2075  
 Southwind Drilling Office 620 564-3800



Surface Casing: Ran 22 joints of new 2 3/8", 8 5/8" casing, Tally @ 924.81', Set @ 936.81', used 350 sacks of 60/40, 3% cc, 2% gel, cement circulated, by Quality (Ticket #940), plug down @ 12:45 pm on 05.12.15.

Production Info: Ran 81 joints of new 5 1/2" casing, Tally @ 3442', Set @ 3452', used 150 sacks of Common, 10% salt, 5% Gilsonite, cemented, by Quality (Ticket #1417), job complete @ 2:00 pm on 05.18.15.

Rotary Total Depth: 3460'  
 Log Total Depth: 3458' Geologist: Jim Musgrove

7:00 A.M. Depth: 3460'				7:00 A.M. Current Operation: TEAR DOWN						
Spud Date & Time:	05/11/15	05/12/15	05/13/15	05/14/15	05/15/15	05/16/15	05/17/15	05/18/15	05/19/15	Total
	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	
Total Depth (7:00am)	0	851	1577	2530	3200	3255	3390	3460	3460	3460
Daily Progress	851	726	953	670	55	135	70	0		3460
Ft. Per Hr.	87.28	82.97	48.25	33.92	16.92	18.62	28.00	#DNV/0!	#DNV/0!	48.73
Current Operation (7:00am)	Rig Up	Drilling	Drilling	Drilling	CFS	TOWT	CFS	CTCH	Tear Down	
Formation	Surface	Clay / Redbed	Clay / Redbed	Lime / Shale	Lime / Shale	Lime / Shale	Lime / Shale			
Fuel Used:(39.6 Gal/ Inch)	316.80	396.00	475.20	316.80	316.80	198.00	158.40	118.80		2296.80
Survey (degree & depth)		3/4' @ 943'					3/4' @ 3406'			
Mud Cost	\$0.00	\$0.00	\$0.00	\$6,192.45	\$0.00	\$0.00	\$694.80	\$600.50		\$7,487.75
Weight (# / Gal)	10.3		8.7	9.1	9.2	9.2	9.3			
Vis (Funnel)	38		60	53	52	54	50			
Water Loss (cc)				7.2	9.2	7.6	10.2			
<b>Bit #1</b>										
Bit Make / Type	HTC J11	HTC J11								
Bit Size	12 1/4	12 1/4								
Bit Hours	9.75	1.00								10.75
<b>Bit #2</b>										
Bit Make / Type		JZ HA20-Q	JZ HA20-Q	JZ HA20-Q						
Bit Size		7 7/8	7 7/8	7 7/8						
Bit Hours		7.75	19.75	19.75						47.25
<b>Bit #3</b>										
Bit Make / Type					Reed J-22	Reed J-22	Reed J-22			
Bit Size					7 7/8	7 7/8	7 7/8			
Bit Hours					3.25	7.25	2.50			13.00
Bit Cumulative Hours	9.75	8.75	19.75	19.75	3.25	7.25	2.50	0.00	0.00	71.00
Weight on Bit (WOB)	20,000	25,000	32,000	32,000	32,000	32,000	32,000			
RPM	120	100	80	80	80	80	80			
Pump Pressure	800	700	700	800	800	750	750			
Drilling (Rotating) Hours	9.75	8.75	19.75	19.75	3.25	7.25	2.50	0.00	0.00	71.00
<b>Daywork Hrs. (Operator's time)</b>										
Rat Hole (>.75 Hrs)										0.00
Wait on Cement										0.00
Trip					10.00	7.00	7.25			24.25
Circulate				2.00	2.75	4.50	5.00			14.25
Tool					1.50	1.50	1.00			4.00
Testing					5.50	2.50	2.50			10.50
Clean Floor after DST					0.50					0.50
Wait on Orders							0.75			0.75
Logging							4.50			4.50
LDDP / LDDC								2.00		2.00
Run Casing / Circ / Cement		2.75						3.25		6.00
Set Slips								0.50		0.50
Nipple Down/Jet Cellar								1.00		1.00
Billable Hours	0.00	2.75	0.00	2.00	20.25	15.50	21.00	6.75	0.00	68.25
<b>Non-Billable Hours (Southwind's time)</b>										
Rig Up	9.50							8.00		17.50
Wait on Cement (NB)		8.00								8.00
Drill Mouse Hole										0.00
Drill Rat Hole (<.75 hrs)	0.50									0.50
Drill Plug		0.75								0.75
Circulate / Trip (Surface)		0.75								0.75
Rig Repair	0.25					0.25	0.25			0.75
Connections	3.50	1.75	2.00	1.50	0.25	0.50				9.50
Jet/Displace	0.25	0.75	1.50					0.50		3.00
Surveys		0.25						0.25		0.50
Rig Check	0.25	0.25	0.75	0.75	0.25	0.50				2.75
Lost Circulation (< 2 hrs)										0.00
Lay Down Kelly / MH & RH								0.75		0.75
Trip Time for repair										0.00
Trip Time for cracked collar										0.00
Non-Billable Hrs.	14.25	12.50	4.25	2.25	0.50	1.25	0.50	9.25	0.00	44.75
Footage Cost	\$ 10,212.00	\$ 8,712.00	\$ 11,436.00	\$ 8,040.00	\$ 660.00	\$ 1,620.00	\$ 840.00	\$ -	\$ -	\$ 41,520.00
Daywork Cost	\$ -	\$ 825.00	\$ -	\$ 600.00	\$ 6,075.00	\$ 4,650.00	\$ 6,300.00	\$ 2,025.00	\$ -	\$ 20,475.00
<b>Combined Est. Cost*</b>	<b>\$ 10,212.00</b>	<b>\$ 9,537.00</b>	<b>\$ 11,436.00</b>	<b>\$ 8,640.00</b>	<b>\$ 6,735.00</b>	<b>\$ 6,270.00</b>	<b>\$ 7,140.00</b>	<b>\$ 2,025.00</b>	<b>\$ -</b>	<b>\$ 61,995.00</b>

\*Please note that this is estimated footage & daywork cost only. Additional charges will apply on invoice (fuel surcharge, water transfer pump, etc)

<b>DST #1 Info -</b> Footage Interval: 3160' - 3200' Recovery: 88' Gas In Pipe 1' Clean Oil 67' Oil Cut Muddy Water 315' Gassy Oil Spotted Oil Cut Mud	<b>DST #2 Info -</b> Footage Interval: 3208' - 3255' Recovery: 7' Mud Lansing "D-F"
<b>DST #3 Info -</b> Footage Interval: 3278' - 3375' Recovery: 100' Gas In Pipe 146' Heavy Oil Cut Mud "Lower Lansing"	<b>DST #4 Info -</b> Footage Interval: 3370' - 3406' Recovery: 12' Oil Cut Mud

Anhydrite @ 932' - 971'

Displaced @ 2365' - 2388'

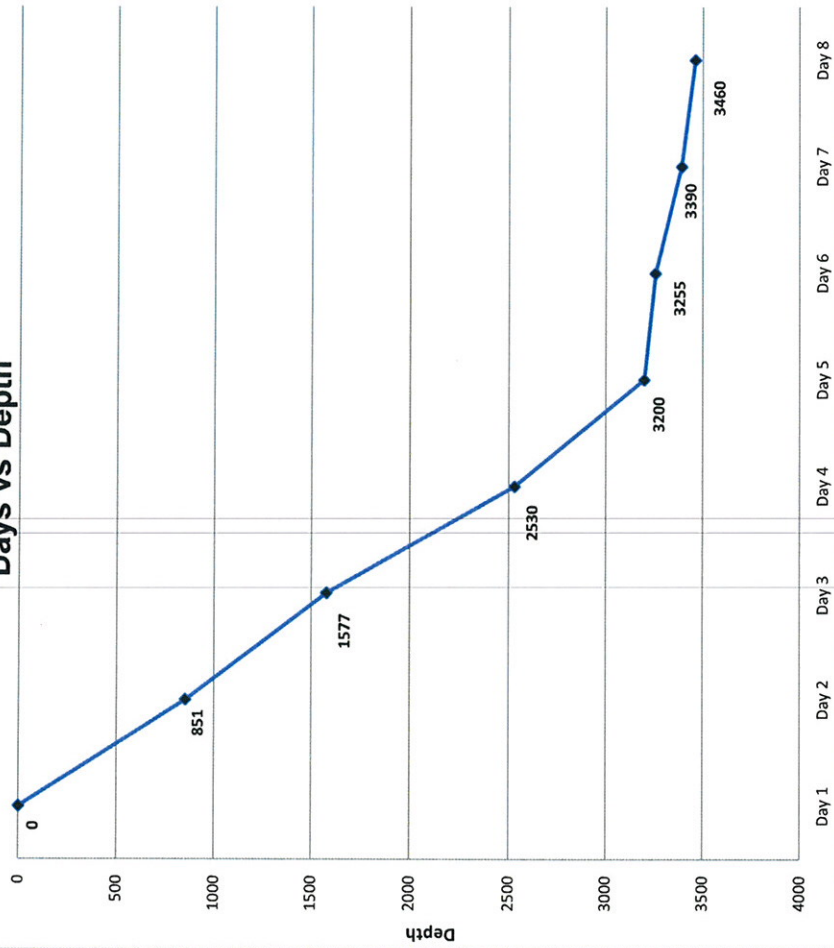


# Job Summary Graphical Report

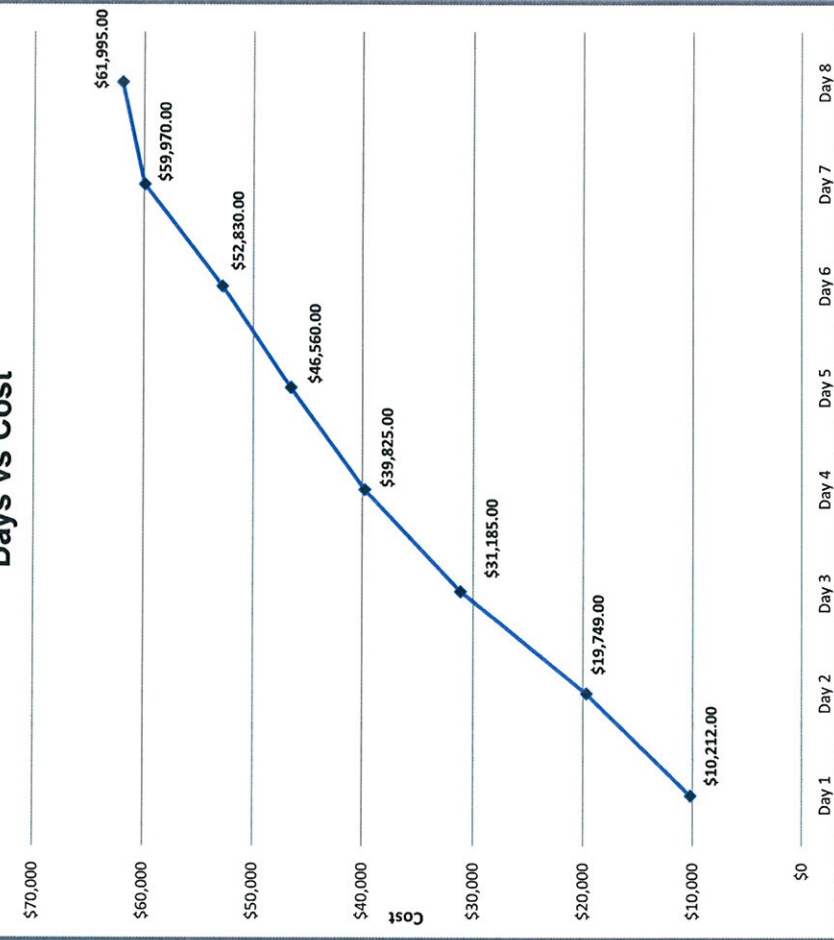
Southwind Rig No. 1

DeWald #1

### Days vs Depth



### Days vs Cost



# 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. 1417

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11/11	25	15	11	Russell	KS		2:00PM

Location: Milberger w to 150 Rd 1/2 N. E 2

Lease DeWald Well No. 1 Owner

Contractor Southwind #1 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 long string Charge To HD Exp.

Hole Size 7 7/8 T.D. 3460 Street

Csg. 5 1/2 10 1/2 Depth 3452 71 City State

Tbg. Size Depth 3452 71 City State

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

Cement Left in Csg. Shoe Joint 18 Cement Amount Ordered 150 x 200 10% salt 5% gilsonite

Meas Line Displace 91/466

**EQUIPMENT** Common

Pumptrk <u>17</u> No.	Cementer		Poz. Mix
	Helper		
Bulktrk <u>9</u> No.	Driver		Gel.
	Driver		
Bulktrk <u>14</u> No.	Driver		Calcium
	Driver		

**JOB SERVICES & REMARKS** Hulls

Remarks: Salt

Rat Hole 30 x Flowseal

Mouse Hole 15 x Kol-Seal

Centralizers 1,3,5,7,9,11,13,15 Mud CLR 48 500 gal

Baskets 42 CFL-117 or CD110 CAF 38

D/V or Port Collar Sand

Handling

Mileage

**FLOAT EQUIPMENT**

Guide Shoe

Centralizer 8 turbos

Baskets 1

AFU Inserts

Float Shoe 1

Latch Down

Pumptrk Charge Mileage Tax Discount Total Charge

X Signature E. Acholtz

