

ORIGINAL

12/21/12

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KANSAS CORPORATION COMMISSION  
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 # 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: Robert Stolze  
Purchaser: NCRA

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 (Corr, 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 #:

8-31-11 9-6-11 10-13-11  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-135-25,292-00-00  
Spot Description:  
NE SE NW SW Sec. 26 Twp. 17 S. R. 25  East  West  
1,705 Feet from  North /  South Line of Section  
1,075 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Ness  
Lease Name: Potter "I" Well #: 1  
Field Name: Aldrich Northeast  
Producing Formation: Mississippi  
Elevation: Ground: 2481' Kelly Bushing: 2489'  
Total Depth: 4510' Plug Back Total Depth: 4476'  
Amount of Surface Pipe Set and Cemented at: 229 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: Port Collar @ 1729 Feet  
If Alternate II completion, cement circulated from: 1729  
feet depth to: surface w/ 200 sx cmt.

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)  
Chloride content: 16,000 ppm Fluid Loss: 320 bbls  
Dewatering method used: evaporation  
Location of fluid disposal if hauled offsite:  
Operator Name: KCC  
Lease Name: License #:  
Quarter Sec. Twp. S. R.  East  West  
County: Permit #:

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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 207, 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: 12-21-11

KCC Office Use ONLY

Letter of Confidentiality Received  
Date: 12-21-11 to 12-21-12  
 Confidential Release Date:  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: NJ Date: 1-18-12

Operator Name: John O. Farmer, Inc. Lease Name: Potter "I" Well #: 1  
 Sec. 26 Twp. 17 S. R. 25  East  West County: Ness

**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 checked="" type="checkbox"/> Yes <input 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Dual Induction Log, Compensated Density Neutron Log, Micro Resistivity Log, Cement Bond Log</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>1734'</td> <td>(+755)</td> </tr> <tr> <td>Heebner</td> <td>3772'</td> <td>(-1283)</td> </tr> <tr> <td>Lansing</td> <td>3813'</td> <td>(-1324)</td> </tr> <tr> <td>Pawnee</td> <td>4242'</td> <td>(-1753)</td> </tr> <tr> <td>Fort Scott</td> <td>4315'</td> <td>(-1826)</td> </tr> <tr> <td>Cherokee Shale</td> <td>4341'</td> <td>(-1852)</td> </tr> <tr> <td>Mississippi</td> <td>4428'</td> <td>(-1939)</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	1734'	(+755)	Heebner	3772'	(-1283)	Lansing	3813'	(-1324)	Pawnee	4242'	(-1753)	Fort Scott	4315'	(-1826)	Cherokee Shale	4341'	(-1852)	Mississippi	4428'	(-1939)
Name	Top	Datum																							
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Mississippi	4428'	(-1939)																							

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#	229'	Common	150	3% C.C., 2% gel
Production	7-7/8"	5-1/2"	14#	4506'	EA-2	125	
Port Collar				1729'	Q-MDC	200	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input checked="" type="checkbox"/> Protect Casing	1733'	Common	100	
<input type="checkbox"/> Plug Back TD				
<input checked="" type="checkbox"/> Plug Off Zone	4442'	Common	75	

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
4 SPF	4432-42' (Mississippi)	1,750 gals. 15% NE	

TUBING RECORD:	Size: <u>2-7/8"</u>	Set At: <u>4472'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of <u>First</u> Resumed <u>Production</u> SWD or ENHR. <u>10-29-11</u>		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. <u>9.30</u>	Gas Mcf	Water Bbls. <u>17.72</u>	Gas-Oil Ratio <u>47.7°</u>

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 checked="" 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: <u>4432-42'</u>
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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: John O. Farmer, Inc. Lic# 5135 Contractor: Discovery Drilling Co., Inc. LIC#31548  
P.O. Box 352 - 370 West Wichita Avenue PO Box 763  
Russell, KS 67665 Hays, KS 67601

Lease: Potter "I" # 1 Location: NE/SE/NW/SW  
Section 26/17S/25W  
Ness Co., KS

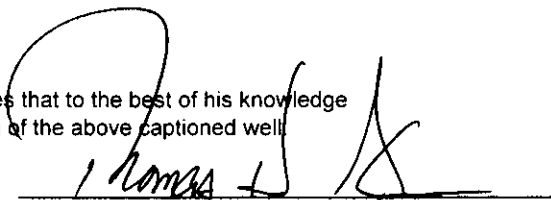
Loggers Total Depth: 4508' API#15- 135-25,292-00-00  
Rotary Total Depth: 4510' Elevation: 2481 GL / 2489 KB  
Commenced: 8/31/2011 Completed: 9/7/2011  
Casing: 8 5/8" @ 229.92'W/150sks Status: Oilwell  
5 1/2" @ 4506.49'W/125sks  
(Port Collar @ 1729)

### DEPTHS & FORMATIONS (All from KB)

Surface, Sand & Shale	<u>0'</u>	Shale	<u>1763'</u>
Dakota Sand	<u>950'</u>	Shale & Lime	<u>2328'</u>
Shale	<u>1009'</u>	Shale	<u>2635'</u>
Cedar Hill Sand	<u>1223'</u>	Shale & Lime	<u>3041'</u>
Red Bed Shale	<u>1450'</u>	Lime & Shale	<u>3928'</u>
Anhydrite	<u>1737'</u>	RTD	<u>4510'</u>
Base Anhydrite	<u>1763'</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

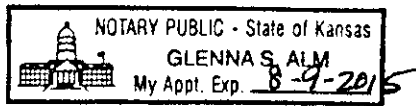
  
Thomas H. Alm

Subscribed and sworn to before me on 9-12-2011

My Commission expires: 8-9-2015

(Place stamp or seal below)

  
Notary Public



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# QUALITY OILWELL CEMENTING, INC.

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

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

No. 5086

Date: <del>8/31/11</del> 26	Sec. 26	Twp. 17	Range 25	County Ness	State Kansas	On Location	Finish 8:00 PM
Lease Potter I	Well No. 1	Location Arnold 3W 6 <sup>1</sup> / <sub>2</sub> S 2 <sup>1</sup> / <sub>4</sub> E <sup>1</sup> / <sub>4</sub> S					
Contractor Discovery Drilling Rg 3				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 <sup>1</sup> / <sub>4</sub>	T.D. 228	Charge To S.O. Farmer					
Csg. 8 <sup>3</sup> / <sub>8</sub>	Depth 229	Street					
Tbg. Size	Depth	City State					
Tool	Depth	City State					
Cement Left in Csg. 10-15'	Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.					
Meas Line	Displace 134 Bbl	Cement Amount Ordered 150 Common 3 <sup>1</sup> / <sub>2</sub> CC 2 <sup>1</sup> / <sub>2</sub> lb					

**EQUIPMENT**

Pumptrk 5	No.	Cementer Steve	Common 150
Bulktrk 14	No.	Driver Craig	Poz. Mix
Bulktrk	No.	Driver Corey	Gel. 3
<b>JOB SERVICES &amp; REMARKS</b>			Calcium 5

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

Cement did Circulate

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
SWAGE	KCC
Pumptrk Charge	Surface
Mileage	32

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*[Handwritten Signature]*

X Signature *[Handwritten Signature]*

Tax  
Discount  
Total Charge

**JOB LOG**

**SWIFT Services, Inc.**

DATE: ~~12/21/11~~ PAGE NO. ~~1~~

CUSTOMER: 50 Farmer WELL NO: I #1 LEASE: Potter JOB TYPE: ~~Completion~~ TICKET NO: 20342

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2200							on loc w/ FE
								RTD 4510'
								5 1/2" x 14# x 4509' x 25'
								Cent 1, 3, 5, 7, 9, 11, 66 in middle
								Bank 2, 12, 66
								PC 66 @ 1731'
	2210							Start FE
	0032							Break Circ
	0105	2.5	7/5					Plug RT & MH 30/20 sks Ea-2
	0110	4.5	0			300		Start Mud Flush
	0118	4.5	10/0			300		Start KCL Flush
	<del>0123</del>	5.5	20/0			300		Start Cement (125 sks Ea-2)
	0123		30					End Cement
								Wash P&L
								Drop L D Plug
	0126	6.5	0			200		Start Displacement
	0138	5	74			250		Catch Cement
	0145		109.5			800/400		Land Plug
								Release Pressure
								Float Held

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Thank you  
Nick, Josh + David

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# QUALITY OILWELL CEMENTING, INC.

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

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

No. 5167

Date	Sec.	Twp.	Range	County	State	On Location	Finish
				Ness	Ks		1:45 PM
Lease	Potter		Well No. I #1	Location Arnold, Ks - 3w, 6 1/2 S to 195th Rd			
Contractor	J & M Well Service			Owner 2E, E to well			
Type Job	<del>Port Collar</del>			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	T.D.			Charge To J.O. Farmer			
Csg.	5 1/2"			Depth 1729'			
Tbg. Size	2 7/8"			Depth 1729'			
Tool	port collar			Depth 1729'			
Cement Left in Csg.	Shoe Joint			City State			
Meas Line	Displace 9 BLS			The above was done to satisfaction and supervision of owner, agent or contractor.			
EQUIPMENT				Cement Amount Ordered 300 sx QMDC 1/4 Flo-			
Pumptrk 1	No.	Cementor Helper	Mike	12 sx Gel (on site)			
Bulktrk 13	No.	Driver	Clisco	Common 200 QMDC			
Bulktrk p.u.	No.	Driver	Pick	Poz. Mix			
JOB SERVICES & REMARKS				Gel. 12			
Remarks: tool wouldn't close				Calcium			
Rat Hole				Hulls			
Mouse Hole				Salt			
Centralizers				Flowseal 75#			
Baskets				Kol-Seal			
D/V or Port Collar 1729'				Mud CLR 48			
pressure tool, open tool, Establish blow pump 12 sx Gel, mix 200 sx QMDC 1/4 Flo, displaced with 9 BLS, tool would not close, ran 5 Jts wash clean, tool still would not close, PTOH, put on 5 1/2" Sledge + pressure casing to 500 # shut in.				CFL-117 or CD110 CAF 38			
wash up + Rigged down.				Sand			
				Handling 3/2			
				Mileage			
				FLOAT EQUIPMENT			
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge port collar			
				Mileage 32			
				Tax			
				Discount			
				Total Charge			

X Signature *Val Olson*

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# ALLIED CEMENTING CO., LLC. 043423

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

SERVICE POINT:  
Dakleys

DATE <u>12/21/11</u>	SEC. <u>22</u>	TWP. <u>16</u>	RANGE <u>25</u>	CALLED OUT	ON LOCATION	JOB START <u>8:00 am</u>	JOB FINISH <u>5:50 pm</u>
LEASE <u>Dater I</u>	WELL# <u>1</u>	LOCATION <u>Arnold, 3W 6 1/2 S 2 1/2 E</u>			COUNTY <u>Dess</u>	STATE <u>Ks</u>	

CONTRACTOR J.M. Well Service OWNER same

TYPE OF JOB <u>Drill</u>	CEMENT
HOLE SIZE	AMOUNT ORDERED <u>250 sks com</u>
CASING SIZE	<u>6 cc outside.. 25 and</u>
TUBING SIZE <u>2 7/8</u>	
DRILL PIPE	
TOOL	
PRES. MAX	
MEAS. LINE	
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

COMMON	<u>100 sks @</u>	<u>16.25</u>	<u>1625.00</u>
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		

EQUIPMENT

PUMP TRUCK CEMENTER <u>Larvae</u>	
# <u>584/281</u> HELPER <u>Terry</u>	
BULK TRUCK	
# <u>344/170</u> DRIVER <u>Doug (GB)</u>	
BULK TRUCK	
# DRIVER	

HANDLING <u>258 sks</u>	@	<u>2.25</u>	<u>580.50</u>
MILEAGE <u>118.34 miles</u>			<u>2270.40</u>
TOTAL			<u>4475.90</u>

REMARKS:  
pressure to 5000# - fell off, try to open  
(part collar) & pressure to 10000# fell off  
pull 1 joint and pump pack set packer,  
pump in 11000# at 1/2 bb/min. pull out  
and perforate. run in tubing, set packer  
get rate, mix 100 sks down tubing  
pressure to 10000# held  
Thank you

CHARGE TO: John O. Farmer

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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.

PRINTED NAME Val Dreher

SIGNATURE Val Dreher

SERVICE

DEPTH OF JOB	<u>1729'</u>
PUMP TRUCK CHARGE	<u>1050.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>80 x 2</u>	@ <u>7.00</u> <u>1120.00</u>
MANIFOLD <u>squeeze</u>	@ <u>250.00</u>
<u>light details</u>	@ <u>4.00</u> <u>640.00</u>
TOTAL <u>3060.00</u>	

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL _____			

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 7535.90

DISCOUNT \_\_\_\_\_

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**JOB LOG**

**SWIFT Services, Inc.**

DATE: [redacted] PAGE NO. [redacted]  
 TICKET NO. 22217

CUSTOMER: **JOHN O FARMER**

WELL NO. #1

LEASE: **Polke I**

JOB TYPE: [redacted]

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								75 sks STD cement w/ Nalad for Crest 30 sks prep 4340' puffs 4432-42' 2 7/8 x 5 1/2 14"
	1300							on loc TRK 114
	1320	3				Ø		circulate hole
		4	60			250		catch pressure
	1350		75					hole clean - Kick out
	1351	1.9	3			900		inj rate 1.9 bpm @ 900 psi
							500	pressure back to 500 psi
	1405							mix STD cement @ 15.6 PRG
		1.8	3			500		
		1.9	17			300		Kickout <u>75 sks mixed</u>
	1417							Displace w/ fresh water
		2	6			200		catch pressure
		2	12			600		increasing pressure
		1	17			1500		
		1/2	24.5			1200		Kickout 1/2 bbl cement in tubing
								holding 1500
	1500							Release pressure slowly
								- dried up
	1513	2	10				200	Release out
			25 1/2					cement plug at 25 1/2 bbl
								hole clean
	1530							wash truck
								5 spot pull 5 joints
	1550					500		pressure 500 psi - shut in
								Rack up
	1415							job complete

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Check Dave Rob & B Laine

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**Plotter I # 1**

**Completion report**

9-9-11 Rig up Perforators, portable mast, run Dual Receiver Cement Bond Log, found TD at 4476', top of cement at 3224'.

9-19-11 Move in and rig up J & M Well Service double drum unit. O-P Trucking delivered 144 jts 2 7/8" tubing from Midwestern Pipeworks.

9-20-11 Run 2 7/8" tubing with Reinhardt's Services port collar tool. Locate port collar at 1729', hookup Quality Oilwell Cementing pump truck, pressure casing to 800#, held. Open port collar, mix and pump 12 sxs gel, with good circulation, mix and pump 200 sxs QMD cement, cement did circulate, witnessed by Mike Maier, KCC rep. Close port collar, pressure to 800#, will not hold. Try multiple times to close collar, still will not hold pressure. Run 5 jts, circulate clean, repressure to 800#, will not hold. Pull tubing and tool, put swage on casing, pressure to 500#, shut in. Shut down.

9-21-11 Hookup Walker Tank Service pump truck, pressure casing to 500#, bleeds to 400# in 15 seconds, 200# in 45 seconds. Run tubing to 2521', swab down to 2475', let set 1 hour, no fluid entry. Run tubing 4453', dump 20 bbls KCL water down annulus, swab down to 4000', let set 1 hour, no fluid entry. Pull tubing, shut down.

9-22-11 Rig up Perforators, found fluid at 3400', tag bottom at 4465', 11' fillup. Did not perforate. Run tubing and packer to 1766', pressure casing to 800#, held. Raise packer to 1700', pressure annulus to 500#, held. Pump down tubing to 1000#, no injection rate, bleeds to 500# in 20 seconds. Pull tubing and packer. Shut down.

9-23-11 Run tubing with port collar tool and packer to port collar, hookup Allied Cementing pump truck, pressure casing to 500#, try to open port collar, will not open, raise packer to 1701', take injection rate, .125 bpm at 800# pressure, decide to perforate. Pull tubing and remove port collar tool, rerun tubing with packer, set packer at 1576'. Wait 2 hours on Perforators, jet strip will not go thru seating nipple. Call Perf-Tech, wait 2 hours to perforate 2 holes at 1733'. Pump into perforations at 1000# pressure at 2 bpm. Mix and pump 100 sxs common cement, squeeze to 1000#, circulate clean, pull 5 jts tubing, pressure to 500#, shut in, shut down.

9-26-11 Pull tubing and packer, rerun 4 7/8" rock bit, 4 drill collars on 2 7/8" tubing. Rig up Golden B Hydra, drill cement from 1658-1733', circulate clean, pressure to 500#, held. Run to bottom, circulate clean. Swab down to 3200'. Shut down.

9-27-11 Check fluid level, no fluid entry. Dump 20 bbls KCL water down annulus,

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swab down to 4000'. Pull tubing, collars and bit. Rig up Perforators, perforate Mississippi Zone 4432-42' ( 10' ) ( 4 SPF ) with screw port gun. Run tubing with packer to 4402', swab down. Swab test:

Time	Fluid	Oil
1st hour	1.25 bbls	100%
2nd hour	1.25 bbls	100%

Shut in, shut down.

9-28-11 ONFU 1600' fluid 100% oil. Lower packer to 4443', hookup RPM Services pump truck, balance 750 gallons 15% NE acid on bottom, pull 28 jts tubing, fill well with KCL water, total load pumped 88 bbls, volume 101 bbls. Shut in, shut down.

9-29-11 Fluid 1600' from surface, lower packer to 4402', swab down to 3600', set packer, swab down, swab test:

Time	Fluid	Oil	
1st hour	12 bbls	18%	
2nd hour	11.27 bbls	18%	
3rd hour	9.66 bbls	21%	
4th hour	?	21%	Drained swab tank
5th hour	9.18 bbls	19%	

Shut down.

9-30-11 ONFU 2700' fluid, with a show of oil. Pull packer to 4340', hookup Swift Services, pump truck and squeeze Mississippi perforations with 75 sxs common cement to 1500#, circulate clean, pull 5 jts tubing, pressure to 500#, shut in. Shut down.

10-3-11 Pull tubing and packer, rig down and move off.

10-5-11 Move in and rig up J & M Well Service double drum unit.

10-6-11 Run 4 7/8" rock bit, 4 drill collars and tubing to 4342'. Rig up Golden B Hydra, drill cement to 4442', run to TD, circulate clean, pressure casing to 500#, held. Pull 4 jts tubing, shut down.

10-7-11 Swab down to 4000', pull tubing, collars and bit. Shut down.

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10-10-11 Rig up Perforators, perforate Mississippi Zone 4432-4442' ( 10' ) ( 4 SPF ) with 39 gram expendable charges. Run tubing with X Pert Tools PPI tool, swab down, let set 30 minutes, dry. Rig up RPM Services pump truck, test tools in blank pipe to 2000#, held. Drop control valve, test, works fine. Circulate acid to bottom. Fluid level 2400'. Wash Mississippi perfs 1 foot at a time with 100 gallons 15% NE acid. Fluid level 1200', 19 bbls acid circulated up annulus. Circulate and balance acid on bottom. Pull 33 jts tubing. Shut in, shut down.

10-11-11 Fluid 800' from surface, load well with water from swab tank, took 20 bbls, acid is displaced. Lower tubing 4398', let packer swing, swab down to 3900', set packer, swab down, swab test:

Time	Fluid	Oil
1st hour	4.59 bbls	47%
2nd hour	3.75 bbls	30%
3rd hour	4.17 bbls	50%
4th hour	3.34 bbls	50%

Shut in. Shut down.

10-12-11 ONFU 2000' fluid, 57% oil. Pull tubing and packer, sandpump clean. Run tubing:

15.00' 2 7/8" Perforated mud anchor  
 1.10' 2 7/8" Seating nipple  
 4447.89' 142 jts 2 7/8" 8rd EUE tubing ( New LS )  
 8.00' 2 7/8" Tubing sub

Shut down.

10-13-11 Run pump and rods:

2 1/2" x 1 1/2" x 12' RWTC DV Insert pump with 6' gas anchor  
 7/8" x 2' Pony rod with spiral guide  
 116 3/4" Sucker rods  
 61 7/8" Sucker rods  
 7/8" x 6', 8' Pony rods  
 1 1/4" x 16' Polished rod with 6' liner

Longstroke, good blow, rig down and move off.

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Val Dreher  
Val Dreher Production foreman

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