



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: _____



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 Bbls.	Gas Mcf	Water Bbls.	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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Richlan Drilling, a General Partnership
Well Name	Ummel Brothers Trust 'Twin' 3
Doc ID	1137064

Tops

Name	Top	Datum
Stone corral	1516	+759
B/Stone Corral	1553	+722
Heebner Shale	3654	-1379
Lansing	3696	-1421
Muncie Creek Shale	3852	-1577
BKC	3994	-1719
Marmaton	4039	-1764
Fort Scott	4201	-1926
Cherokee Shale	4224	-1949
Cherokee Sd	4303	-2028
Mississippian	4323	-2048
LTD	4390	-2115

Date 11-16-12 District Great Bend Ticket No. 059107
 Company Reclan Drilling Rig South Wind 70
 Lease Hammel Brothers Trust Well No. 3
 County Miss State KS
 Location North of Miss City Field _____

CEMENT DATA:
 Spacer Type: Fresh Water
 Amt. 8 bbl Sks Yield _____ ft³/sk Density 8.34 PPG

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 5/8" Type _____ Weight 24 Collar _____

LEAD: Pump Time _____ hrs. Type 60/40+4% Gel
+ 25% Flo-seal Excess _____
 Amt. 270 Sks Yield 1.4 ft³/sk Density 14.2 PPG

Casing Depths: Top 0 Bottom 222

TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 WATER: Lead 6.7 gals/sk Tail _____ gals/sk Total 43 Bbls.

Drill Pipe: Size 4 1/2" Weight 16.6 Collars _____
 Open Hole: Size 7 7/8" T.D. 2200 ft. P.B. to _____ ft.

Pump Trucks Used 398
 Bulk Equip. 341

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. .0636 Lin. ft./Bbl. 15.70
 Open Holes: Bbls/Lin. ft. .0602 Lin. ft./Bbl. 16.5993
 Drill Pipe: Bbls/Lin. ft. .101422 Lin. ft./Bbl. 70.32
 Annulus: 04 Bbls/Lin. ft. .0406 Lin. ft./Bbl. 24.6474
CS9 Bbls/Lin. ft. .0440 Lin. ft./Bbl. 22.72
 Perforations: From _____ ft. to _____ ft. Amt. _____

Floater Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Floater Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type WAM + FW Amt. _____ Bbls. Weight 92+8.34 PPG
 Mud Type WAM Weight 9.7 PPG

COMPANY REPRESENTATIVE [Signature]

CEMENTER [Signature]

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period		RATE Bbls Min.
12:00 AM						On Location	
3:06 AM		75		6	6	3	Fresh Water
3:09 AM		75		18.5	12.5	3	Plug 1 Cement
3:12 AM		75		20.5	2	3	Fresh Water
3:14 AM							Displace with Rig Pump
3:17 AM							POBH
3:57 AM		75		26.5	6	3	Fresh Water
3:59 AM		75		46.5	20	3	Plug 2 Cement
4:05 AM		75		50.5	4	3	Displace with Fresh Water
4:08 AM							POBH
4:28 AM		75		56.5	6	3	Fresh Water
4:31 AM		75		66.5	10	3	Plug 3 Cement
4:33 AM		75		68.5	2	3	Displace
4:36 AM							POBH
4:46 AM		75		74.5	6	3	Fresh Water
4:48 AM		75		87	12.5	3	Plug 4 Cement
4:52 AM		75		88	1	3	Displace
4:54 AM							POBH
5:06 AM		75		93	5	3	Surface Plug Cement
5:38 AM		75		100.5	7.5	3	Plug Rat Hole
5:42 AM							Wash Up
5:50 AM							Rig Down
6:15 AM							Leave Location

ALLIED OIL & GAS SERVICES, LLC

059107

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Great Bend, KS

DATE <u>11-16-12</u>	SEC. <u>24</u>	TWP. <u>18S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION <u>12:00 AM</u>	JOB START	JOB FINISH <u>1:42 AM</u>
LEASE <u>Richard Drilling</u>	WELL # <u>3</u>	LOCATION			COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Southwind 70

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 2200 ft

CASING SIZE 8 5/8 24# DEPTH 222 ft

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 16.6 DEPTH 1540 ft

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER Richard Drilling

CEMENT

AMOUNT ORDERED 270ss, 60/40 + 4% Gel + 1.25% Flo. Sol

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Charles E King

398 HELPER Trint Hall

BULK TRUCK

341 DRIVER Alan Gencereux

BULK TRUCK

DRIVER

REMARKS:

Set Plug 1 @ 1540 ft: 6FW, 12.5cm, 2FW, 14WAM (50ss)

Set Plug 2 @ 790 ft: 6FW, 20cm, 4FW (80ss)

Set Plug 3 @ 400 ft: 6FW, 10cm, 2FW (40ss)

Set Plug 4 @ 250 ft: 6FW, 12.5cm, 1FW (50ss)

Set Plug 5 @ 60 ft: 5cm (20ss)

Plug Ret Hole with 7.5cm (30ss)

TOTAL _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

CHARGE TO: Richard Drilling

STREET _____

CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or

ALLIED OIL & GAS SERVICES, LLC

059102

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Great Bend, KS

DATE <u>11-07-12</u>	SEC. <u>24</u>	TWP. <u>18S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION <u>1:15 PM</u>	JOB START <u>7:15 PM</u>	JOB FINISH <u>7:29 PM</u>
LEASE <u>Hand of Brackley</u>		WELL # <u>3</u>	LOCATION <u>96W 70 N 18S E Miss C.T. Turn North For 1/4 mile to N 11 - R. Turn West For 1/4 mile</u>		COUNTY <u>MISS</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			North of location				

CONTRACTOR Southwind 70
 TYPE OF JOB Surface Casing
 HOLE SIZE 12 1/4" T.D. 209.49 221
 CASING SIZE 8 5/8" 24° DEPTH 209.49
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 20 FT
 CEMENT LEFT IN CSG. 20 ft, 1.77 bbls, 5.3 sy
 PERFS. _____
 DISPLACEMENT 12.5 bbls

OWNER Richlan Drilling
 CEMENT AMOUNT ORDERED 150 sy A + Ccsl + 2% Gel

EQUIPMENT
 PUMP TRUCK CEMENTER Charles Atkins
 # 395 HELPER Josh Isaac
 BULK TRUCK DRIVER Paul Monahan
 BULK TRUCK DRIVER _____

COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____

REMARKS:
Pump 5 bbls Fresh Water
Pump 36 bbls (150 sy) Cement
Displace with 12.5 bbls Fresh Water
Leave 20 ft, 1.77 bbls, 5.3 sy Cement in Casing
Circulate 14 bbls (59 sy) Cement to Surface

TOTAL _____
SERVICE
 DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 MANIFOLD _____ @ _____
 _____ @ _____
 _____ @ _____

CHARGE TO: Richlan Drilling
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL _____

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or

PLUG & FLOAT EQUIPMENT
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
UBTT3dst1

Company Richlan Drilling Lease & Well No. Ummel Brothers Trust Twin No. 3
Elevation 2270 KB Formation Cherokee Sand Effective Pay _____ Ft. Ticket No. F051
Date 11-14-12 Sec. 24 Twp. 18S Range 24W County Ness State Kansas
Test Approved By Robert A. (Bob) Schreiber Diamond Representative _____ Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 4,246 ft. to 4,304 ft. Total Depth 4,304 ft.
Packer Depth 4,241 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,246 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,225 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,301 ft. Recorder Number 11033 Cap. 5,150 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 70 Drill Collar Length _____ ft I.D. _____ in.
Mud Type Chemical Viscosity 52 Weight Pipe Length _____ ft I.D. _____ in.
Weight 8.8 Water Loss 9.2 cc. Drill Pipe Length 4,213 ft I.D. 3 1/2 in.
Chlorides 5,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 5 Anchor Length 26' perf. w/ 32' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Strong blow increasing. Off bottom of bucket in 7 mins. No blow back during shut-in.
2nd Open: Strong blow increasing. Off bottom of bucket in 8 mins. No blow back during shut-in.

Recovered 300 ft. of mud cut water = 4.269000 bbls. (Grind out: 70%-water; 30%-mud)
Recovered 715 ft. of water = 10.174450 bbls. (Grind out: 100%-water) Chlorides: 19,000 Ppm PH: 7.5 RW: .26 @ 43°
Recovered 1,015 ft. of TOTAL FLUID = 14.443450 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 1%-oil; 99%-water

Time Set Packer(s) 9:55 P.M. Time Started off Bottom 11:55 P.M. Maximum Temperature 127°
Initial Hydrostatic Pressure.....(A) 2025 P.S.I.
Initial Flow Period.....Minutes 30 (B) 14 P.S.I. to (C) 263 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 1320 P.S.I.
Final Flow Period.....Minutes 30 (E) 262 P.S.I. to (F) 472 P.S.I.
Final Closed In Period.....Minutes 30 (G) 1320 P.S.I.
Final Hydrostatic Pressure.....(H) 2015 P.S.I.



Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER**
Cell: (620) 282-8977

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	Richlan Drilling	Well Name	Ummel Brothers Trust Twin #3
Well Operator	Richlan Drilling	Unique Well ID	DST #1, Cherokee Sand, 4246'-4304'
Contact	Bob Schreiber	Surface Location	Sec 24-18s-24w-Ness Co.-KS
Site Contact	Bob Schreiber	Test Unit	#5
Field	Miner	Pool	Miner
Well Type	Vertical	Job Number	F051
Prepared By	Jake Fahrenbruch	Qualified By	Bob Shreiber

Test Information

Test Type	Conventional Bottom Hole	Test Purpose	Initial Test
Formation	Cherokee Sand, 4246'-4304'	Gauge Name	0062
Start Test Date	2012/11/14	Start Test Time	19:24:00
Final Test Date	2012/11/15	Final Test Time	03:42:00

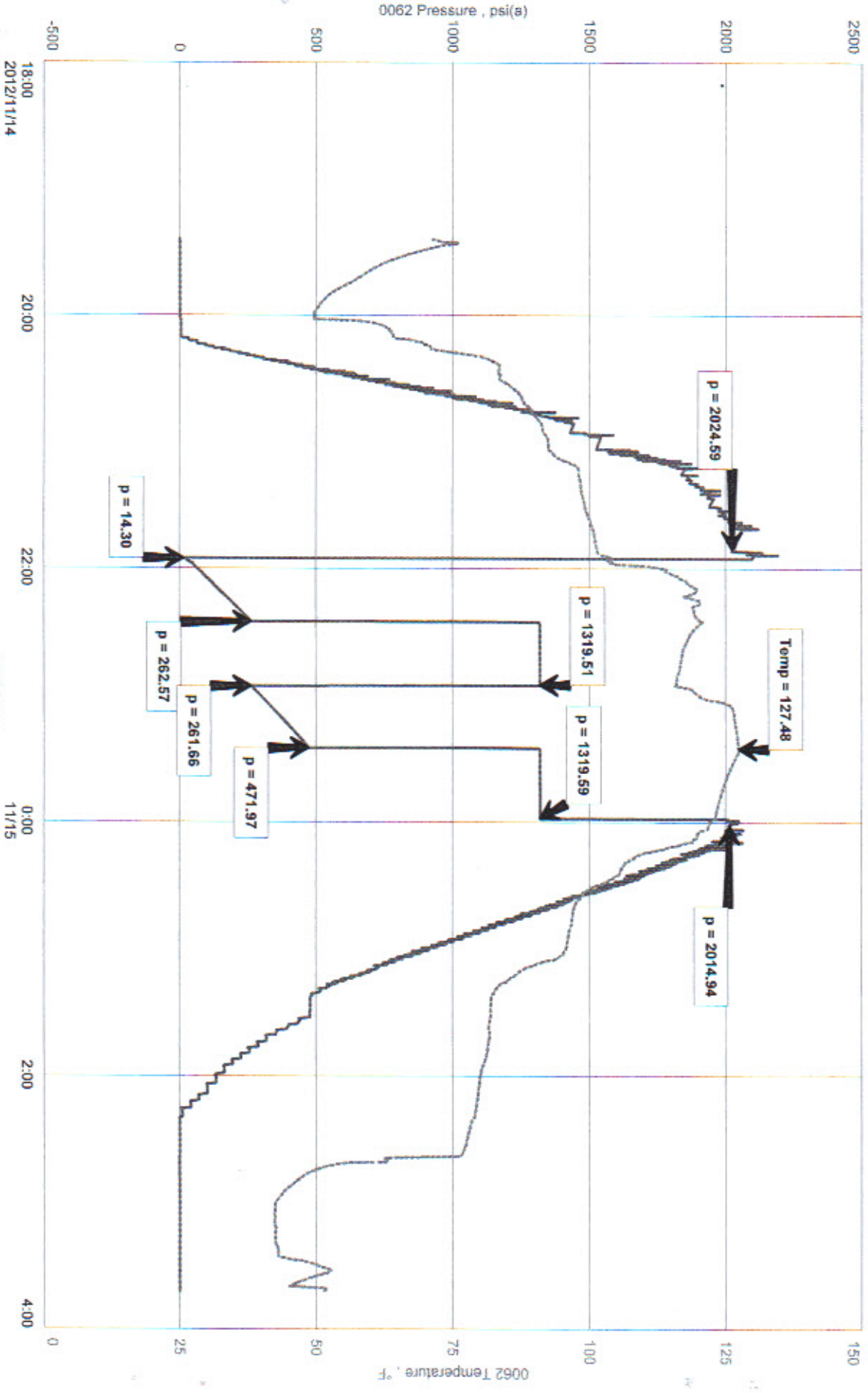
Test Results

Recovered:	300'	MCW	70% wtr, 30% mud	4.26 bbl
	715'	Water	100% wtr	10.15 bbl
	-----	No GIP		
	-----	Total Fluid Recovered: 1015'		14.41 bbl
	-----	Chlorides: 19,000 ppm		
	-----	PH: 7.5		
	-----	RW: .26 @ 43 deg F		
	-----	Tool Sample: SOSW, <1% oil, >99% wtr		

Richlan Drilling
DST #1, Cherokee Sand, 4246'-4304'
Start Test Date: 2012/11/14
Final Test Date: 2012/11/15

Ummel Brothers Trust Twin #3

Ummel Brothers Trust Twin #3
Formation: Cherokee Sand, 4246'-4304'
Pool: Miner
Job Number: F051



Richlan Drly a General Partnership
Umond Brothers Trust "Twin" #3
DST #1 Cherokee land 4246-4304
6-15-2012

1015' water

