KANSAS CORPORATION COMMISSION 1065005
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 # 31439
Name: Kinney Oil Company
Address 1: 1401 17TH ST STE 870
Address 2:
City: DENVER State: CO Zip: 80202 + 1246
Contact Person: Jeremy Kinney
Phone: (303) 295-1770
CONTRACTOR: License # 30141
Name: Summit Drilling Company
Wellsite Geologist: Kevin Bailey
Purchaser:

Designate Type of Completion:
- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] 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 #:

04/09/2011	4/23/2011	06/23/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-131-20222-00-00
Spot Description:
_ - N2 - N2 - SE Sec. 27 Twp. 1 S. R. 14 [x] East [ ] West
2310 Feet from [ ] North / [x] South Line of Section
1320 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Nemaha
Lease Name: Strahm Well #: 2-27
Field Name: Wildcat
Producing Formation: Hunton
Elevation: Ground: 1316 Kelly Bushing: 1326
Total Depth: 3958 Plug Back Total Depth: 2961
Amount of Surface Pipe Set and Cemented at: 267 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 500 ppm Fluid volume: 3526 bbls
Dewatering method used: Evaporated
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:
- [x] Wireline Log Received
- [x] Geologist Report Received
- [ ] UIC Distribution

ALT [x] I [ ] II [ ] III Approved by: Deanna Garrison Date: 12/28/2011

Side Two

1065005

Operator Name: Kinney Oil Company Lease Name: Strahm Well #: 2-27

Sec. 27 Twp. 1 S. R. 14 ☑ East ☐ West County: Nemaha

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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	12.25	8.625	24	267	class A	165	2% gel & 3% CC
production	7.875	5.5	15.5	3009	thick-set	100	8#/sk kol-seal

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 *(Amount and Kind of Material Used)*	Depth
6	2818-2830	250 gal 20% MCA	2818-2830
		500 gal 15% NEFe	2818-2830
		2250 gal gelled 20%	2818-2830

TUBING RECORD: Size: 2.875 Set At: 2902 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 06/23/2011

Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☑ Other *(Explain)* Shut in

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☑ Other *(Specify)* shut in

PRODUCTION INTERVAL:
2818-2830

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Kinney Oil Company
Well Name	Strahm 2-27
Doc ID	1065005

All Electric Logs Run

dual induction
neutron density
sonic
micro log

Form	ACO1 - Well Completion
Operator	Kinney Oil Company
Well Name	Strahm 2-27
Doc ID	1065005

Tops

Heebner	1142	184
Lansing	1256	70
BKC	1584	-258
Cherokee	1762	-436
Mississippian	2457	-1131
Kinderhook	2554	-1228
Hunton	2777	-1451
Maquoketa	3498	-2172
Viola	3562	-2236
Simpson	3757	-2431
Simpson SS	3858	-2532
Arbuckle	3906	-2580
Lamont SS	3936	-2610
Pre-Cambrian	nde	
TD	3958	-2632

CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
FAX 620/431-0012

INVOICE Invoice # 240710

Invoice Date: 04/25/2011 Terms: 0/0/30,n/30 Page 1

KINNEY OIL COMPANY
1401 17TH ST, SUITE 870
DENVER CO 80202
(303)295-1770

STRAHM 2-27
30319
27-1-14E
04-10-11
KS

Prod 60

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	160.00	14.2500	2280.00
1118B	PREMIUM GEL / BENTONITE	300.00	.2000	60.00
1102	CALCIUM CHLORIDE (50#)	500.00	.7000	350.00
1107	FLO-SEAL (25#)	40.00	2.2200	88.80

	Description	Hours	Unit Price	Total
445	CEMENT PUMP (SURFACE)	1.00	775.00	775.00
445	EQUIPMENT MILEAGE (ONE WAY)	170.00	4.00	680.00
543	TON MILEAGE DELIVERY	1278.40	1.26	1610.78

71309
0113100012
V20716

Parts:	2778.80	Freight:	.00	Tax:	202.85	AR	6047.43
Labor:	.00	Misc:	.00	Total:	6047.43		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed _____ Date _____

CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 30319
LOCATION Eureka, KS
FOREMAN Shannon Feck

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

CEMENT API # 15-131-20222

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-10-11	4670	Strahm 2-27	27	1	14 E	Nemaha

CUSTOMER: Kinney Oil Company
MAILING ADDRESS: 1401 17th St Ste 870
CITY: Denver | STATE: Co. | ZIP CODE: 80202

Summit DRLG CO.

TRUCK #	DRIVER	TRUCK #	DRIVER
445	Dave		
543	Allen B		

JOB TYPE Surface oil | HOLE SIZE 12¼ | HOLE DEPTH 275' | CASING SIZE & WEIGHT 8⅝" 24#
CASING DEPTH 255 | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT 15# | SLURRY VOL 38 BBL | WATER gal/sk | CEMENT LEFT in CASING 20 Ft
DISPLACEMENT 16 BBl | DISPLACEMENT PSI 300psi | MIX PSI 150-250 psi | RATE 4.50 BBl/min

REMARKS: Rig up to 8⅝ casing. Break circulation with 10 BBL water. Mixed 160 sks class "A" cement with 3% calcium 2% gel ¼# Flo-Seal/sk @ 15#/gal. Displace with 16 BBl fresh water. Shut casing in. Circulated 11 BBl slurry. good circulation @ all times. Job complete, rig down & wash up.

((Thanks Shannon & Crew))

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	775.00	775.00
5406	170	MILEAGE	4.00	680.00
1104S	160 SKS	Class "A" Cement	14.25	2280.00
1118B	300 #	Gel	.20	60.00
1102	500 #	Calcium Chloride	.70	350.00
1107	40 #	Flo-Seal	2.22	88.80
5407A	7.52 tons	Ton-mileage Bulk Truck	1.26	1610.78
			Sub total	5844.58
		7.3%	SALES TAX	202.85
			ESTIMATED TOTAL	6047.43

Ravin 3737

840710

AUTHORIZTION Dan Ox TITLE DATE 4-20-11

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 · 1-800/467-8676
FAX 620/431-0012

INVOICE Invoice # 240939

Invoice Date: 04/29/2011 Terms: 0/0/30,n/30 Page 1

KINNEY OIL COMPANY
1401 17TH ST, SUITE 870
DENVER CO 80202
(303)295-1770

STRAHM 2-27
30493
27-1-14E
04-24-11
KS

Prod Cole 60

Part Number	Description	Qty	Unit Price	Total
1126A	THICK SET CEMENT	100.00	18.3000	1830.00
1110A	KOL SEAL (50# BAG)	800.00	.4400	352.00
1135A	FL- 115 (FLUID LOSS)	25.00	9.9500	248.75
1137	CDI-26	25.00	7.6200	190.50
1146	CAF - 38	25.00	8.1000	202.50
1111A	SODIUM METASILICATE	100.00	1.9000	190.00

	Description	Hours	Unit Price	Total
520	CEMENT PUMP	1.00	975.00	975.00
520	EQUIPMENT MILEAGE (ONE WAY)	170.00	4.00	680.00
543	TON MILEAGE DELIVERY	935.00	1.26	1178.10

Cement prod casing

7309

0113100012

V20716

Parts:	3013.75	Freight:	.00	Tax:	220.01	AR	6066.86
Labor:	.00	Misc:	.00	Total:	6066.86		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed _____ Date _____

CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 30493
LOCATION Eureka KS
FOREMAN Rick Ledford

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

API # 15-131-20222

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-24-11	4570	Strahm 8-27	27	1	14E	Nemaha

CUSTOMER: Kinney Oil Company

MAILING ADDRESS: 1401 17th St. Ste 870

CITY: Denver | STATE: Co. | ZIP CODE: 80202

TRUCK #	DRIVER	TRUCK #	DRIVER
520	Cliff		
543	Allen B.		

JOB TYPE longstring 0 | HOLE SIZE 7 7/8" | HOLE DEPTH 3958' | CASING SIZE & WEIGHT 5½" 15.5#
CASING DEPTH 3962' | DRILL PIPE | TUBING | OTHER P/S @ 2965'
SLURRY WEIGHT 13.6# | SLURRY VOL 31 Bbl | WATER gal/sk 9.0 | CEMENT LEFT in CASING 0'
DISPLACEMENT 70.5 Bbl | DISPLACEMENT PSI 600 | MIX PSI 1100 Bump plug | RATE

REMARKS: Safety meeting - Rig up to 5½" casing. Set packer shoe @ 1300 PSI. Pump 5 Bbl water ahead. 20 Bbl metasilicate pre-flush, 5 Bbl water spacer. Mixed 100 sks thickset cement w/ 8# Kol-seal/sk, ¼% CFL-115, ¼% CDI-26 + ¼% CAF-38 @ 13.6#/gal. yield 1.85. Shut down, washout pump + lines, release latch down plug. Displace w/ 70.5 Bbl fresh water. Final pump pressure 600 PSI. Bump plug to 1100 PSI, release pressure, plug held. Good circulation @ all times while cementing. Job complete. Rig down.

"Thank You"

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	975.00	975.00
5406	170	MILEAGE	4.00	680.00
1126A	100 sks	thickset cement	18.30	1830.00
1110A	800#	8# Kol-seal/sk	.44	352.00
1135A	25#	¼% CFL-115 fluid loss	9.95	248.75
1137	25#	¼% CDI-26 Friction Reducer	7.62	190.50
1146	25#	¼% CAF-38 Defoamer	8.10	202.50
1111A	100#	metasilicate pre-flush	1.90	190.00
5407A	5.5	ton mileage bulk trk	1.26	1178.10
			Subtotal	5846.85
		7.3%	SALES TAX	220.01
Ravin 3737		840939	ESTIMATED TOTAL	6066.86

AUTHORIZTION B Cliff TITLE DATE

DRILL STEM TEST REPORT

Prepared For: **Kinney Oil Company**

1401 17th Street Suite 870
Denver Colorado 80202+1246

ATTN: Kevin Bailey

27/1S/14E Nemaha Co.

Strahm #2-27

Start Date: 2011.04.15 @ 02:59:00
End Date: 2011.04.15 @ 09:03:30
Job Ticket #: 15988 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.04.15 @ 21:23:47

Kinney Oil Company Strahm #2-27 27/1S/14E Nemaha Co. DST # 1 Hunton 2011.04.15

DRILL STEM TEST REPORT

Kinney Oil Company

1401 17th Street Suite 870
Denver Colorado 80202+1246

ATTN: Kevin Bailey

Strahm #2-27

27/1S/14E Nemaha Co.

Job Ticket: 15988 **DST#: 1**

Test Start: 2011.04.15 @ 02:59:00

GENERAL INFORMATION:

Formation: **Hunton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 09:03:30

Interval: 2780.00 ft (KB) To 2812.00 ft (KB) (TVD)
Total Depth: 2812.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

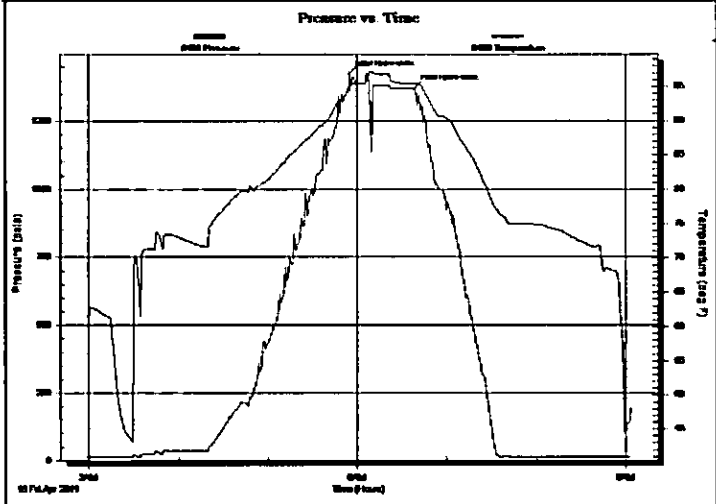
Test Type: Conventional Bottom Hole (Initial)
Tester: Dylan E Ellis
Unit No: 3345/Great Bend/540

Reference Elevations: 1326.00 ft (KB)
1316.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8400 **Outside**

Press@RunDepth:	psia @	2837.00 ft (KB)		Capacity:	5000.00 psia
Start Date:	2011.04.15	End Date:	2011.04.15	Last Calib.:	2011.04.15
Start Time:	02:59:00	End Time:	09:03:30	Time On Btm:	2011.04.15 @ 05:55:00
				Time Off Btm:	2011.04.15 @ 06:38:30

TEST COMMENT: Miss Run// Packer Failure// Miss Run Didn't have any opening or closeing on the test.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1424.67	94.52	Initial Hydro-static
44	1369.97	95.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
426.00	Drilling Mud 100%	2.33

Gas Rates

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

DRILL STEM TEST REPORT

Kinney Oil Company

1401 17th Street Suite 870
Denver Colorado 80202+1246

ATTN: Kevin Bailey

Strahm #2-27

27/1S/14E Nemaha Co.

Job Ticket: 15988 **DST#: 1**

Test Start: 2011.04.15 @ 02:59:00

GENERAL INFORMATION:

Formation: **Hunton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 09:03:30

Interval: 2780.00 ft (KB) To 2812.00 ft (KB) (TVD)
Total Depth: 2812.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)
Tester: Dylan E Ellis
Unit No: 3345/Great Bend/540

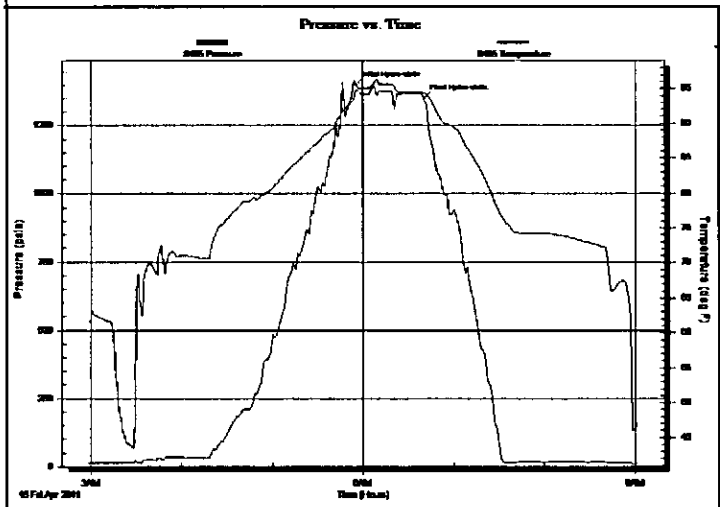
Reference Elevations: 1326.00 ft (KB)
1316.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8405 **Inside**

Press@RunDepth: psia @ 2836.00 ft (KB)
Start Date: 2011.04.15 End Date: 2011.04.15
Start Time: 02:59:00 End Time: 09:02:30

Capacity: 5000.00 psia
Last Calib.: 2011.04.15
Time On Btm: 2011.04.15 @ 05:55:30
Time Off Btm: 2011.04.15 @ 06:40:30

TEST COMMENT: Miss Run// Packer Failure// Miss Run Didn't have any opening or closeing on the test.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1400.89	94.79	Initial Hydro-static
45	1349.00	94.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
426.00	Drilling Mud 100%	2.33

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Kinney Oil Company

1401 17th Street Suite 870
Denver Colorado 80202+1246

ATTN: Kevin Bailey

Strahm #2-27

27/1S/14E Nemaha Co.

Job Ticket: 15988 **DST#: 1**

Test Start: 2011.04.15 @ 02:59:00

Tool Information

Drill Pipe:	Length:	2415.52 ft	Diameter:	3.00 inches	Volume:	21.12 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	364.48 ft	Diameter:	2.25 inches	Volume:	1.79 bbl	Weight to Pull Loose:		4000.00 lb
					Total Volume:	22.91 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		ft					String Weight:	Initial	40000.00 lb
Depth to Top Packer:		2808.00 ft						Final	41000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		32.00 ft							
Tool Length:		60.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments: No steps on the v-door/ packer failure tried to set tool twice no help pulled it/

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			2785.00		
Hydrolic Tool	5.00			2790.00		
Jars	6.00			2796.00		
Safety Joint	2.00			2798.00		
Packer	5.00			2803.00	28.00	Bottom Of Top Packer
Packer	5.00			2808.00		
Perforations	27.00			2835.00		
Recorder	1.00	8405	Inside	2836.00		
Recorder	1.00	8400	Outside	2837.00		
Bull Plug	3.00			2840.00	32.00	Bottom Packers & Anchor
Total Tool Length:	**60.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Kinney Oil Company

1401 17th Street Suite 870
Denver Colorado 80202+1246

ATTN: Kevin Bailey

Strahm #2-27

27/1S/14E Nemaha Co.

Job Ticket: 15988 **DST#: 1**

Test Start: 2011.04.15 @ 02:59:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.80 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	900.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
426.00	Drilling Mud 100%	2.330

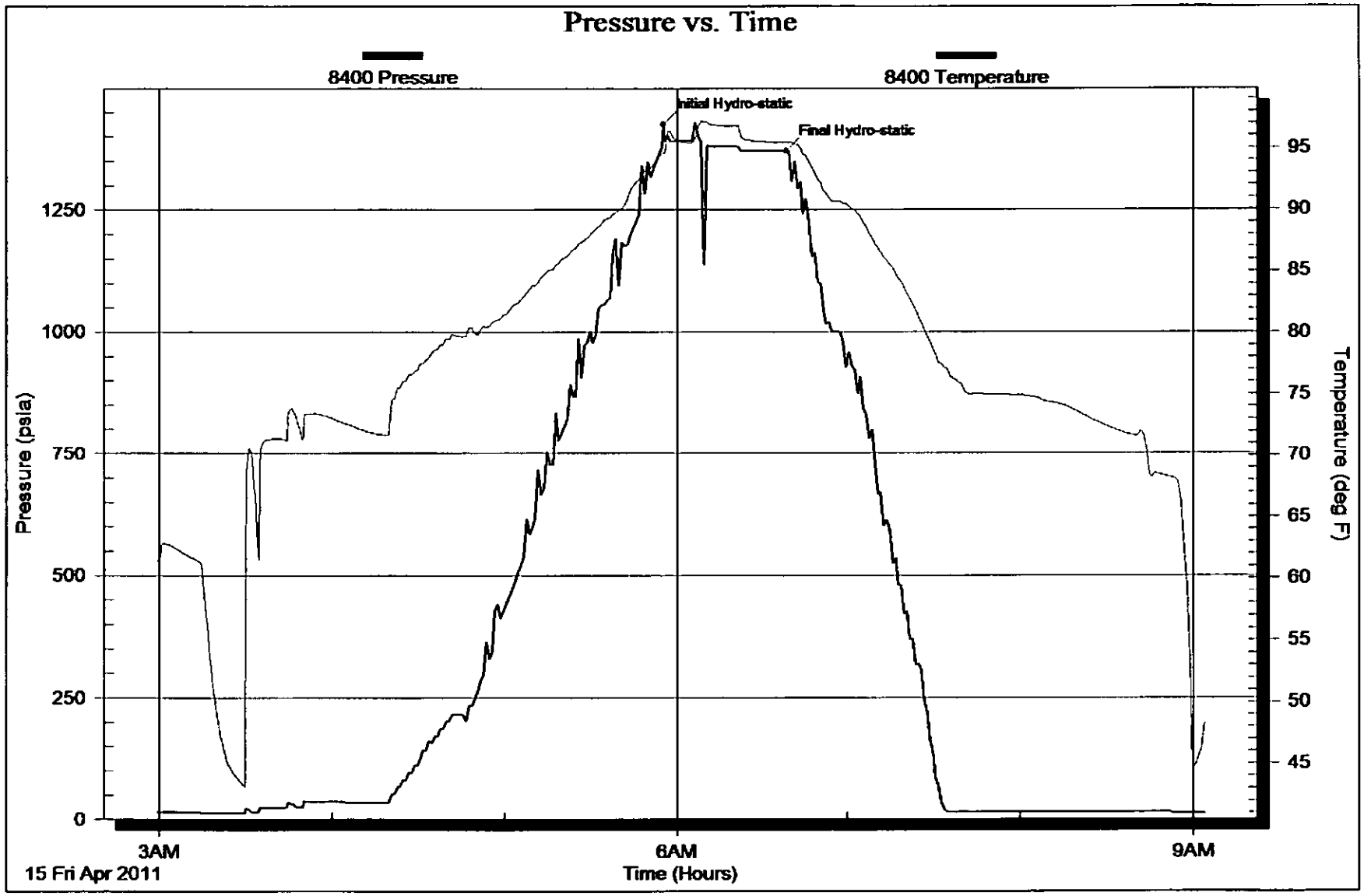
Total Length: 426.00 ft Total Volume: 2.330 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

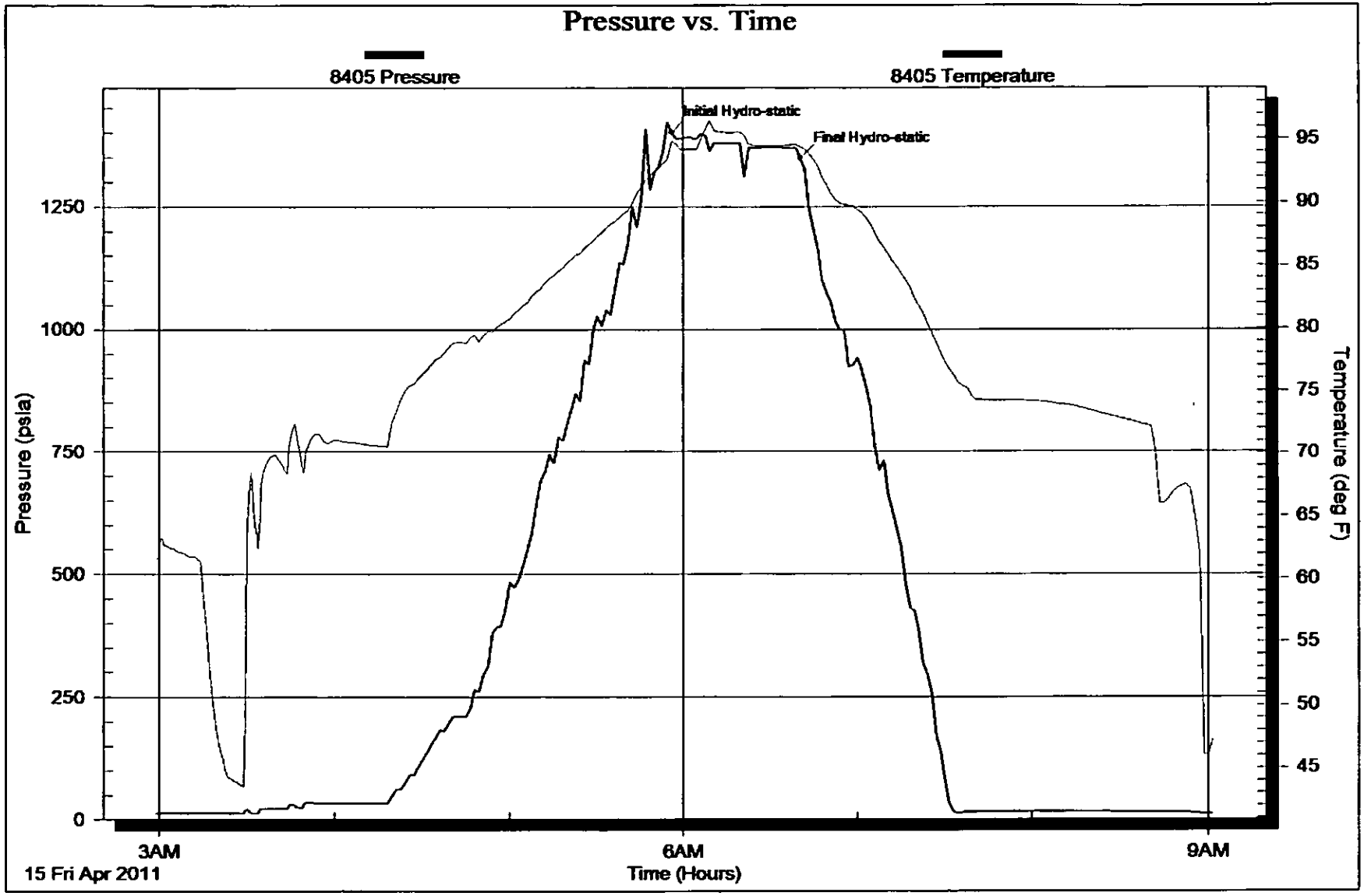
Recovery Comments: Miss Run// Packer failure tried to set tool twice and no luck come out of the hole/ only had 1 Shale Packer on the test

Serial #: 8400 Outside Kinney Oil Company 27/1S/14E Nemaha Co. DST Test Number: 1



Superior Testers Enterprises LLC Ref. No: 15988 Printed: 2011.04.15 @ 21:23:49

Serial #: 8405 Inside Kinney Oil Company 27/1S/14E Nemaha Co. DST Test Number: 1



Superior Testers Enterprises LLC Ref. No: 15988 Printed: 2011.04.15 @ 21:23:49

DRILL STEM TEST REPORT

Prepared For: **Kinney Oil Company**

1401 17th Street Suite 870
Denver Colorado 80202+1246

ATTN: Kevin Bailey

27/1S/14E Nemaha Co.

Strahm #2-27

Start Date: 2011.04.16 @ 06:44:00

End Date: 2011.04.16 @ 15:08:30

Job Ticket #: 15989 DST #: 2

Superior Testers Enterprises LLC

PO Box 138 Great Bend KS 67530

1-800-792-6902

Printed: 2011.04.16 @ 15:22:15

DRILL STEM TEST REPORT

Kinney Oil Company

1401 17th Street Suite 870
Denver Colorado 80202+1246

ATTN: Kevin Bailey

Strahm #2-27

27/1S/14E Nemaha Co.

Job Ticket: 15989 **DST#: 2**

Test Start: 2011.04.16 @ 06:44:00

GENERAL INFORMATION:

Formation: **Hunton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:12:30
Time Test Ended: 15:08:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Dylan Ellis
Unit No: 3345/Great Bend/540

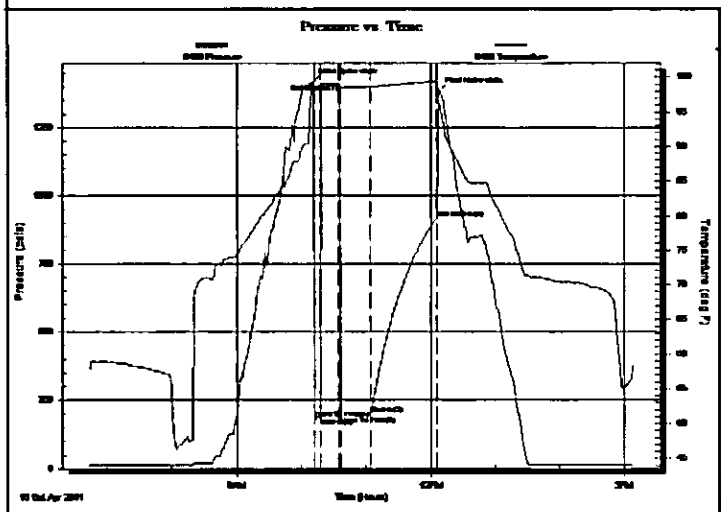
Interval: 2530.00 ft (KB) To 2820.00 ft (KB) (TVD)
Total Depth: 2820.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1326.00 ft (KB)
1316.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8400 **Outside**

Press@RunDepth:	197.36 psia @	2816.66 ft (KB)		Capacity:	psia
Start Date:	2011.04.16	End Date:	2011.04.16	Last Calib.:	1899.12.30
Start Time:	06:44:00	End Time:	15:08:30	Time On Btm:	2011.04.16 @ 10:11:00
				Time Off Btm:	2011.04.16 @ 12:07:00

TEST COMMENT: 1ST Opening 5 Minutes weak blow/blow blew 0.75 inches into 5 gallon bucket of water
1ST Shut-In 15 Minutes no blow back
2ND Opening 30 Minutes weak blow/blow was steadily dying off/blow dead in 17 minutes
2ND Shut-In 60 Minutes no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1413.42	98.22	Initial Hydro-static
2	181.89	97.83	Open To Flow (1)
7	183.61	98.41	Shut-In(1)
24	1410.56	98.82	End Shut-In(1)
26	191.66	98.57	Open To Flow (2)
53	197.36	98.64	Shut-In(2)
115	918.40	99.39	End Shut-In(2)
116	1384.42	96.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Drilling Mud 100%	0.22

Gas Rates

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

DRILL STEM TEST REPORT

Kinney Oil Company

1401 17th Street Suite 870
Denver Colorado 80202+1246

ATTN: Kevin Bailey

Strahm #2-27

27/1S/14E Nemaha Co.

Job Ticket: 15989 **DST#: 2**

Test Start: 2011.04.16 @ 06:44:00

GENERAL INFORMATION:

Formation: **Hunton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:12:30
Time Test Ended: 15:08:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Dylan E.Ellis
Unit No: 3345/Great Bend/540

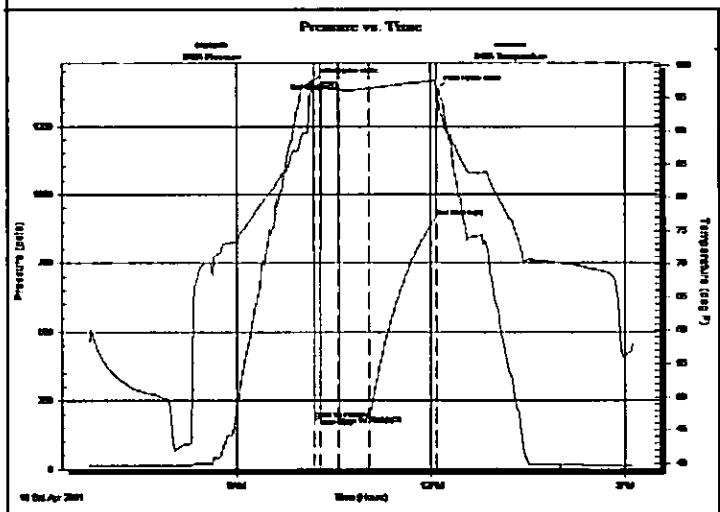
Interval: 2530.00 ft (KB) To 2820.00 ft (KB) (TVD)
Total Depth: 2820.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1326.00 ft (KB)
1316.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8405 **Inside**

Press@RunDepth:	915.25 psia @	2815.66 ft (KB)		Capacity:	5000.00 psia
Start Date:	2011.04.16	End Date:	2011.04.16	Last Calib.:	2011.04.16
Start Time:	06:44:00	End Time:	15:07:30	Time On Btm:	2011.04.16 @ 10:11:00
				Time Off Btm:	2011.04.16 @ 12:05:30

TEST COMMENT: 1ST Opening 5 Minutes weak blow/blow blew 0.75 inches into 5 gallon bucket of water
1ST Shut-In 15 Minutes no blow back
2ND Opening 30 Minutes weak blow/blow was steadily dying off/blow dead in 17 minutes
2ND Shut-In 60 Minutes no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1413.75	96.63	Initial Hydro-static
1	181.62	96.51	Open To Flow (1)
6	183.16	96.35	Shut-In(1)
23	1409.97	96.56	End Shut-In(1)
25	191.49	96.33	Open To Flow (2)
52	195.36	96.48	Shut-In(2)
114	915.25	97.69	End Shut-In(2)
115	1383.82	95.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Drilling Mud 100%	0.22

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Kinney Oil Company

1401 17th Street Suite 870
Denver Colorado 80202+1246

ATTN: Kevin Bailey

Strahm #2-27

27/1S/14E Nemaha Co.

Job Ticket: 15989 **DST#: 2**

Test Start: 2011.04.16 @ 06:44:00

Tool Information

Drill Pipe:	Length:	2148.00 ft	Diameter:	3.00 inches	Volume:	18.78 bbl	Tool Weight:		11000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	364.48 ft	Diameter:	2.25 inches	Volume:	1.79 bbl	Weight to Pull Loose:		14000.00 lb
					Total Volume:	20.57 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		10.48 ft					String Weight:	Initial	40000.00 lb
Depth to Top Packer:		2530.00 ft						Final	40000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		289.66 ft							
Tool Length:		317.66 ft							
Number of Packers:		1	Diameter:	6.75 inches					

Tool Comments: Just ran one single shale packer on the test tool / no steps on v-door

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			2507.00		
Hydrolic Tool	5.00			2512.00		
Jars	6.00			2518.00		
Safety Joint	2.00			2520.00		
Packer	5.00			2525.00	28.00	Bottom Of Top Packer
Packer	5.00			2530.00		
Perforations	5.00			2535.00		
Change Over Sub	0.75			2535.75		
Drill Collars	270.16			2805.91		
Change Over Sub	0.75			2806.66		
Perforations	8.00			2814.66		
Recorder	1.00	8405	Inside	2815.66		
Recorder	1.00	8400	Outside	2816.66		
Bull Plug	3.00			2819.66	289.66	Bottom Packers & Anchor
Total Tool Length:	**317.66**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Kinney Oil Company

1401 17th Street Suite 870
Denver Colorado 80202+1246

ATTN: Kevin Bailey

Strahm #2-27

27/1S/14E Nemaha Co.

Job Ticket: 15989 **DST#: 2**

Test Start: 2011.04.16 @ 06:44:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.20 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	800.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Drilling Mud 100%	0.221

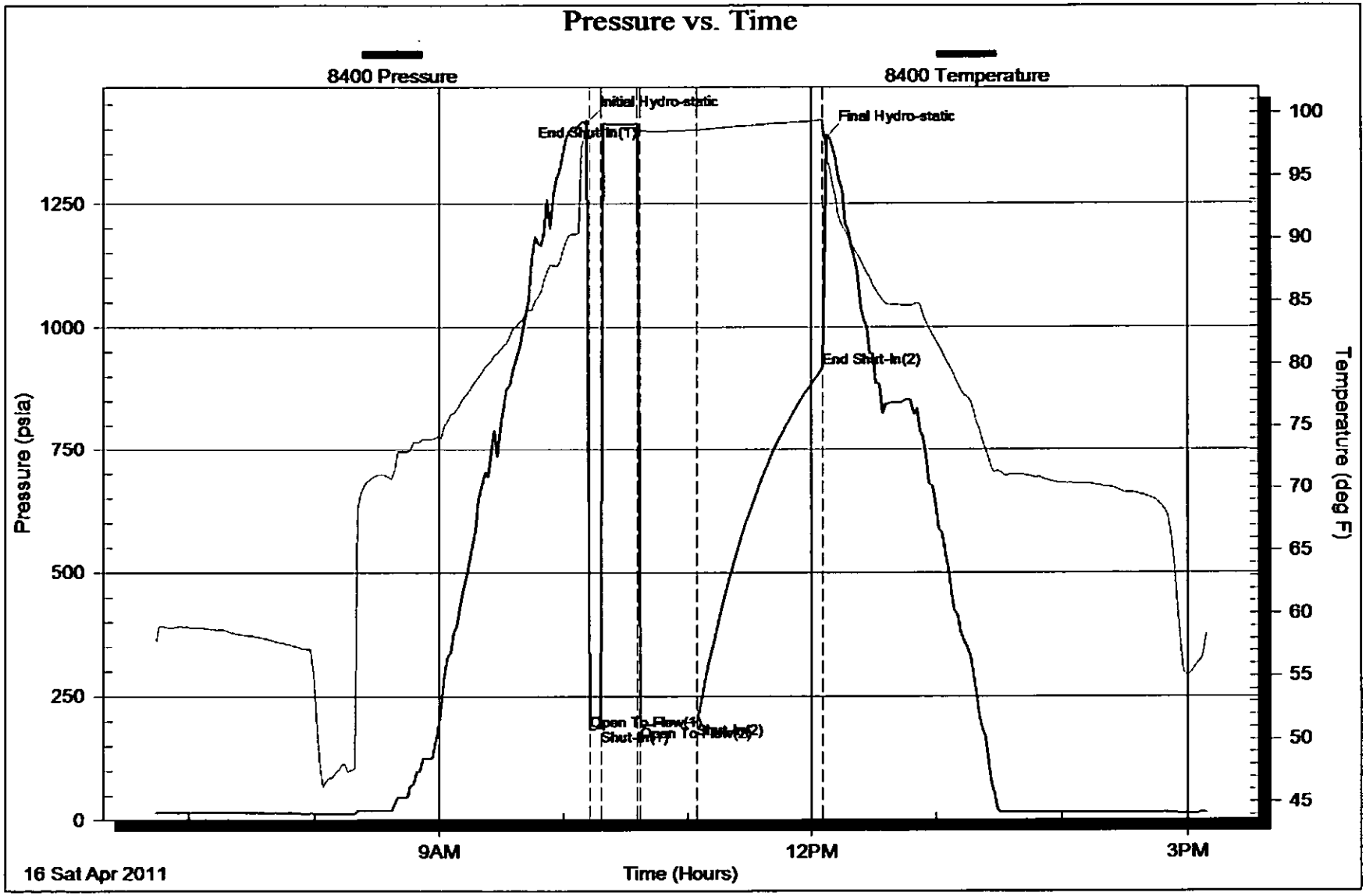
Total Length: 45.00 ft Total Volume: 0.221 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

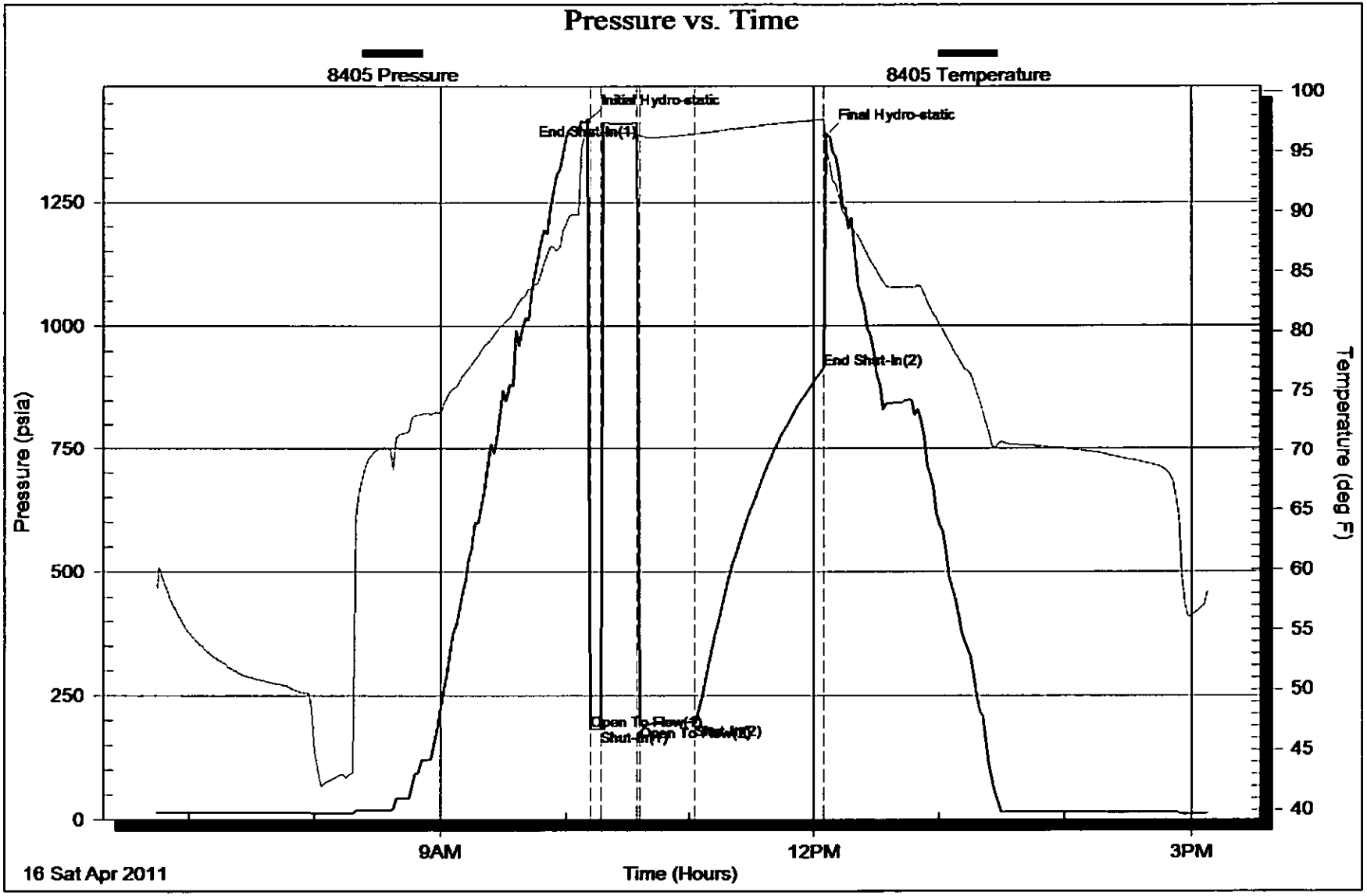
Recovery Comments:

Serial #: 8400 **Outside** Kinney Oil Company 27/1S/14E Nemaha Co. DST Test Number: 2



Superior Testers Enterprises LLC Ref. No: 15989 Printed: 2011.04.16 @ 15:22:18

Serial #: 8405 Inside Kinney Oil Company 27/1S/14E Nemaha Co. DST Test Number: 2



Superior Testers Enterprises LLC Ref. No: 15989 Printed: 2011.04.16 @ 15:22:19

DRILL STEM TEST REPORT

Prepared For: **Kinney Oil Company**

1401 17th Street Suite 870
Denver Colorado 80202+1246

ATTN: Kevin Bailey

27/1S/14E Nemaha Co.

Strahm #2-27

Start Date: 2011.04.16 @ 11:17:00
End Date: 2011.04.16 @ 19:17:00
Job Ticket #: 15990 DST #: 3

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.04.17 @ 08:09:18

DRILL STEM TEST REPORT

Kinney Oil Company

1401 17th Street Suite 870
Denver Colorado 80202+1246

ATTN: Kevin Bailey

Strahm #2-27

27/1S/14E Nemaha Co.

Job Ticket: 15990 **DST#: 3**

Test Start: 2011.04.16 @ 11:17:00

GENERAL INFORMATION:

Formation: **Hunton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:06:30
Time Test Ended: 19:17:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Dylan E Ellis
Unit No: 3345 Great Bend/540

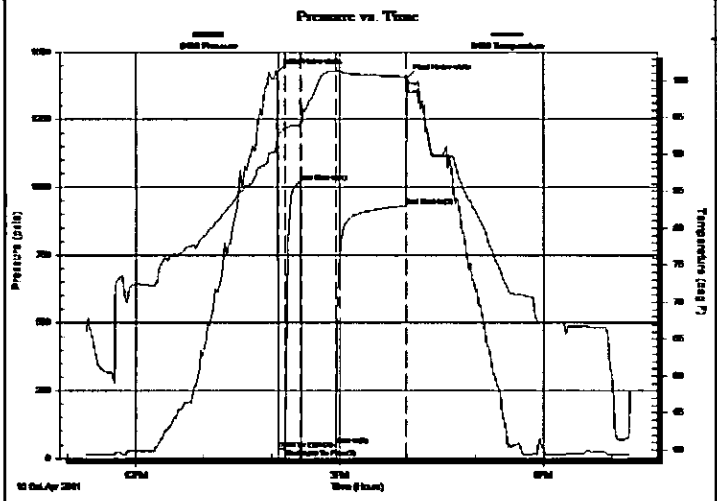
Interval: 2817.00 ft (KB) To 2830.00 ft (KB) (TVD)
Total Depth: 2830.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1326.00 ft (KB)
1316.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8400 **Outside**

Press@RunDepth:	49.78 psia @	2827.00 ft (KB)		Capacity:	5000.00 psia
Start Date:	2011.04.16	End Date:	2011.04.16	Last Calib.:	2011.04.17
Start Time:	11:17:00	End Time:	19:17:00	Time On Btm:	2011.04.16 @ 14:05:00
				Time Off Btm:	2011.04.16 @ 15:59:30

TEST COMMENT: 1ST Opening 5 Minutes very weak blow /but building/blow built to 0.50into bucket of water
1ST Shut-In 15 Minutes no blow back
2ND Opening 30 Minutes very weak surface blow /blow didn't build at all
2ND Shut-In 60 Minutes no blow back-



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1426.53	92.19	Initial Hydro-static
2	33.57	92.58	Open To Flow (1)
7	34.61	93.34	Shut-In(1)
21	1018.78	93.96	End Shut-In(1)
22	36.34	93.56	Open To Flow (2)
52	49.78	101.30	Shut-In(2)
114	930.78	100.54	End Shut-In(2)
115	1402.64	100.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Clean Free Oil 100%	0.01
42.00	Slight Oil cut Mud	0.21
0.00	Oil 10% Mud 90%	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Kinney Oil Company

1401 17th Street Suite 870
Denver Colorado 80202+1246

ATTN: Kevin Bailey

Strahm #2-27

27/1S/14E Nemaha Co.

Job Ticket: 15990 **DST#: 3**

Test Start: 2011.04.16 @ 11:17:00

GENERAL INFORMATION:

Formation: **Hunton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:06:30
Time Test Ended: 19:17:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Dylan E Ellis
Unit No: 3345 Great Bend/540

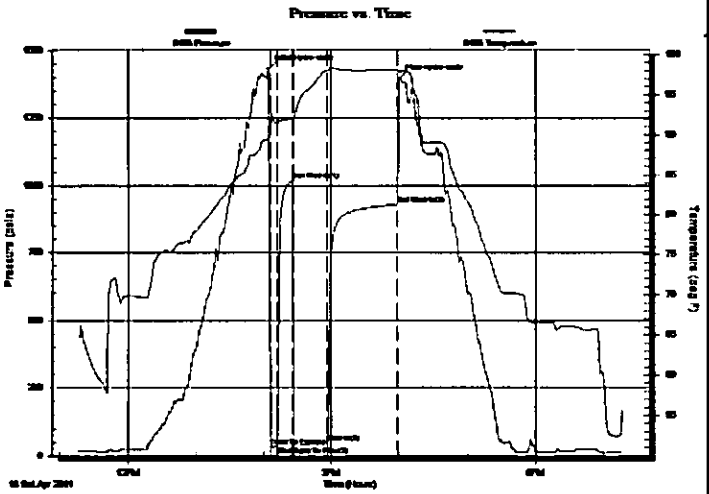
Interval: 2817.00 ft (KB) To 2830.00 ft (KB) (TVD)
Total Depth: 2830.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1326.00 ft (KB)
1316.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8405 **Inside**

Press@RunDepth:	929.88 psia @	2826.00 ft (KB)		Capacity:	5000.00 psia
Start Date:	2011.04.16	End Date:	2011.04.16	Last Calib.:	2011.04.17
Start Time:	11:17:00	End Time:	19:16:30	Time On Btm:	2011.04.16 @ 14:04:30
				Time Off Btm:	2011.04.16 @ 16:00:00

TEST COMMENT: 1ST Opening 5 Minutes very weak blow /but building/blow built to 0.50into bucket of water
1ST Shut-In 15 Minutes no blow back
2ND Opening 30 Minutes very weak surface blow /blow didn't build at all
2ND Shut-In 60 Minutes no blow back-



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1432.33	89.59	Initial Hydro-static
2	33.29	90.09	Open To Flow (1)
8	34.36	91.37	Shut-In(1)
22	1018.41	92.07	End Shut-In(1)
23	36.48	92.21	Open To Flow (2)
52	49.59	97.97	Shut-In(2)
114	929.88	98.11	End Shut-In(2)
116	1395.22	97.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Clean Free Oil 100%	0.01
42.00	Slight Oil cut Mud	0.21
0.00	Oil 10% Mud 90%	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Kinney Oil Company

1401 17th Street Suite 870
Denver Colorado 80202+1246

ATTN: Kevin Bailey

Strahm #2-27

27/1S/14E Nemaha Co.

Job Ticket: 15990 **DST#: 3**

Test Start: 2011.04.16 @ 11:17:00

Tool Information

Drill Pipe:	Length:	2450.00 ft	Diameter:	3.00 inches	Volume:	21.42 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	364.48 ft	Diameter:	2.25 inches	Volume:	1.79 bbl	Weight to Pull Loose:		24000.00 lb
					Total Volume:	23.21 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		25.48 ft					String Weight:	Initial	40000.00 lb
Depth to Top Packer:		2817.00 ft						Final	41000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		13.00 ft							
Tool Length:		41.00 ft							
Number of Packers:		1	Diameter:	6.75 inches					

Tool Comments: There were no steps on the beaver slide (V-Door)/ Only one single shale packer on the test tool.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			2794.00		
Hydrolic Tool	5.00			2799.00		
Jars	6.00			2805.00		
Safety Joint	2.00			2807.00		
Packer	5.00			2812.00	28.00	Bottom Of Top Packer
Packer	5.00			2817.00		
Perforations	8.00			2825.00		
Recorder	1.00	8405	Inside	2826.00		
Recorder	1.00	8400	Outside	2827.00		
Bull Plug	3.00			2830.00	13.00	Bottom Packers & Anchor
Total Tool Length:	**41.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Kinney Oil Company

1401 17th Street Suite 870
Denver Colorado 80202+1246

ATTN: Kevin Bailey

Strahm #2-27

27/1S/14E Nemaha Co.

Job Ticket: 15990 **DST#: 3**

Test Start: 2011.04.16 @ 11:17:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.20 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	800.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Clean Free Oil 100%	0.015
42.00	Slight Oil cut Mud	0.207
0.00	Oil 10% Mud 90%	0.000

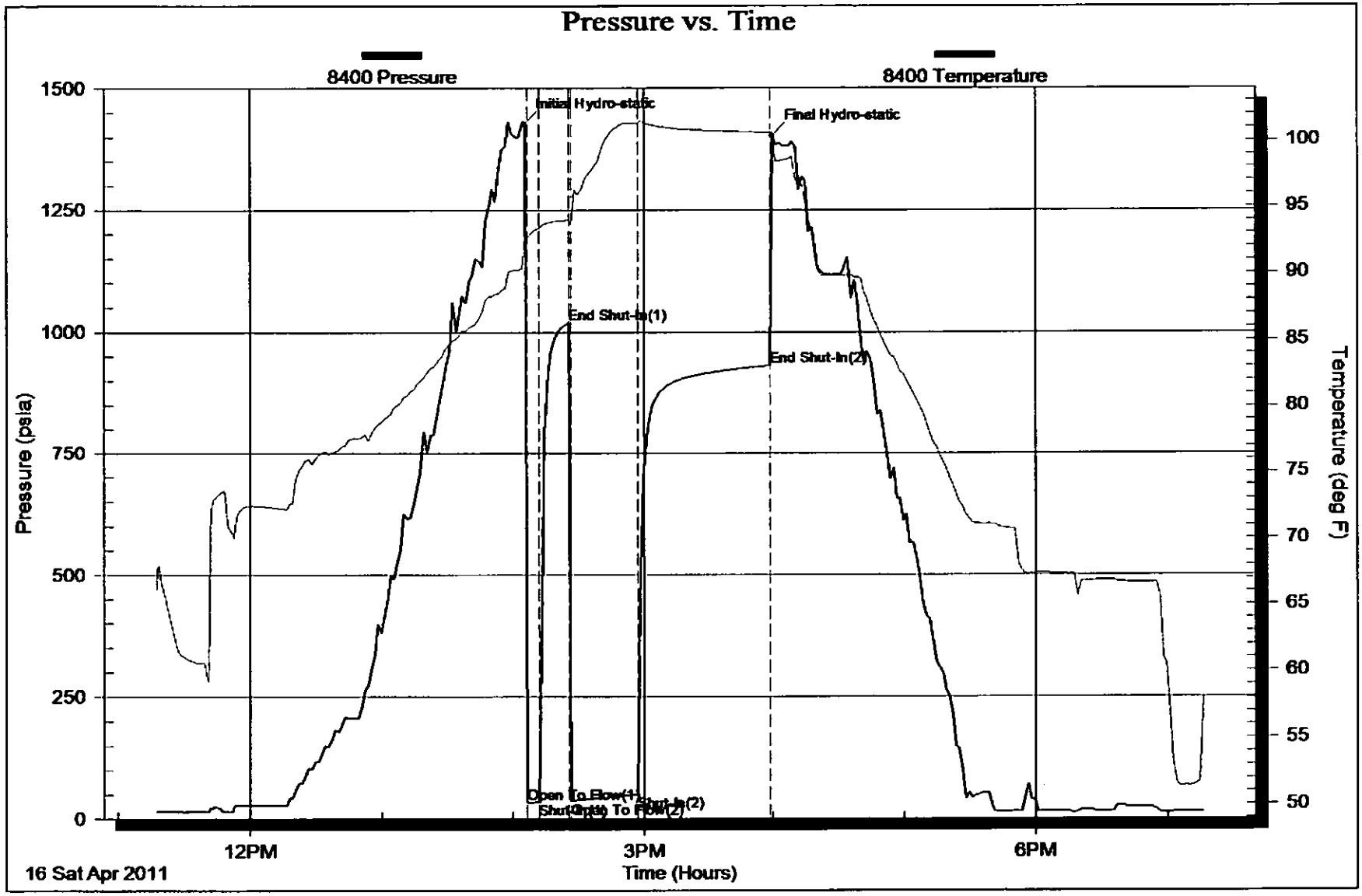
Total Length: 45.00 ft Total Volume: 0.222 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8400 Outside Kinney Oil Company 27/1S/14E Nemaha Co. DST Test Number: 3



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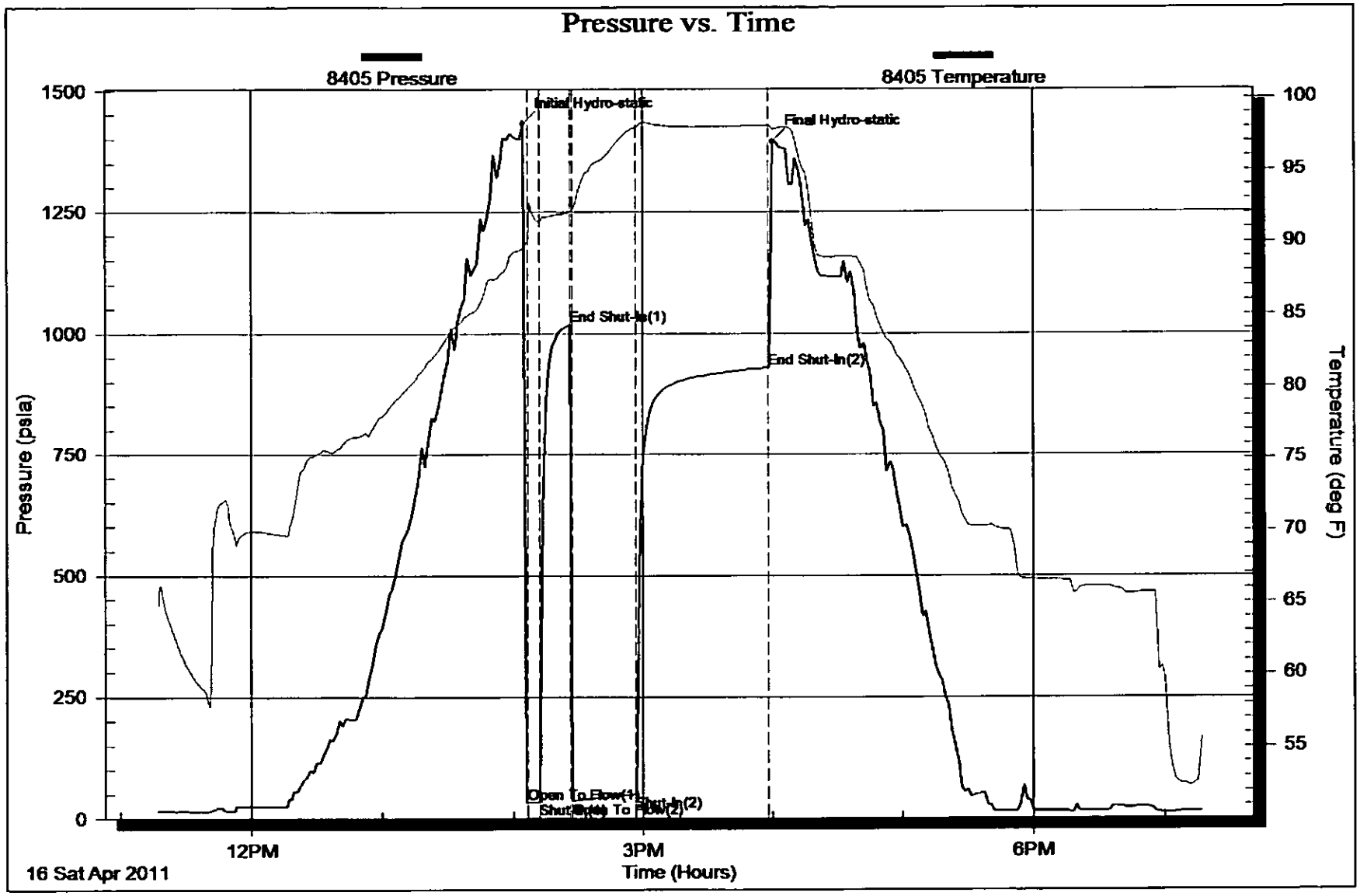
Serial #: 8405 Inside Kinney Oil Company 27/1S/14E Nemaha Co. DST Test Number: 3



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