



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1065358  
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: \_\_\_\_\_

1065358

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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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# GEOLOGICAL REPORT

**Noble Petroleum, Inc.**

**Haskins - Jones #2**

**SE NE NE Section 19-T28S-R4E**

**Butler County, Kansas**

COMMENCED: 10-04-11

STATUS: Oil

COMPLETED: 10-10-11

A.P.I. #: 15-015-23918

CONTRACTOR: C & G Drilling, Inc.

OPERATOR LIC.: 31389

SIZE OF HOLE: 7 7/8"

FIELD: Augusta

SURFACE PIPE: 8 5/8"

ELEVATION: 1251 K.B.

CEMENTED WITH: N/A

LOGS: Log-Tech DIL, CDL/CNL

LONG STRING: 5 1/2"

MUD SYSTEM: Chemical

CEMENTED WITH: N/A

OTHER:

R.T.D.: 2530'

*William M. Stout  
10-10-11*

William M. Stout  
Geologist

## FORMATION TOPS

1265 G.L. 1271 K.B.

	<u>Sample</u>	<u>Log</u>
Lansing	1718 -447	1718 -447
Kansas City	2036 -765	2036 -765
Base Kansas City	2247 -976	2246 -975
Marmaton	2275 -1004	2275 -1004
Cherokee	2401 -1130	2402 -1131
Arbuckle	2467 -1196	2466 -1195
Total Depth	2530 -1259	2532 -1261

## SAMPLE SHOW DESCRIPTIONS

Lansing 1718' (-447)

1805' - 1814'

Limestone - light brown, fine crystalline, fossiliferous, some dense, slightly chalky, faint odor, scattered light stain, show free oil with trace gas bubbles, scattered intercrystalline porosity with fluorescence.

Kansas City 2036' (-765)

2043' - 2051'

Limestone - light brown, brown, gray, fine crystalline, some dense, fossiliferous, good odor, light stain, show free oil, scattered intercrystalline porosity with fluorescence.

2067' - 2080'

Limestone - light brown, light gray, fine crystalline, fossiliferous, chalky, faint odor, light stain, very slight show free oil, scattered fluorescence, intercrystalline porosity.

Arbuckle 2467' (-1196)

2467' - 2480'

Dolomite - brown, light brown, fine crystalline, some dense, fair to good odor, scattered light stain, show free oil, good fluorescence, scattered intercrystalline porosity, with few vugs. (Covered by DST #1)

DST #1 2458' - 2480'

Open tool 30 min. with weak surface blow - died off. Close tool 45 min. Open tool 30 min. with very weak surface blow - died. Flushed tool with no help.

Close tool 45 min. Recovered 5' oil cut mud (80% oil, 20% mud).

IFP 38 - 41 #

FFP 43 - 47#

ISIP 844#

FSIP 869#

HP 1251 - 1235#

Temp. 103 degrees

2481' - 2488'

Dolomite - gray, light brown, brown, fine to medium crystalline, dense, some chert, white opaque, fair odor, light stain, show free oil, scattered intercrystalline porosity with few vugs. (Covered by DST #2)

DST #2 2472' - 2488'

Open tool 30 min. with fair blow building to 35 1/2 inches. Close tool 45 min.  
Open tool 60 min. with strong blow building to bottom of bucket 1 min. close  
tool 60 min. Recovered 540' total fluid. 360 ' mud cut oil (5% oil, 95% mud),  
180' mud cut oil (10% oil, 90 % mud).

IFP 69 - 92#

FFP 705 - 419#

ISIP 990#

FSIP 990#

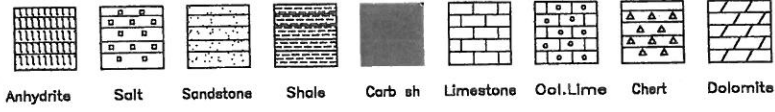
HP 1258 - 1217#

Temp. 101 degrees.

## CONCLUSIONS

The decision was made to set 5 1/2" casing to further evaluate the Arbuckle through perforations.

# LEGEND



DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases 	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
	1400				G.L. 1265 K.B. 1271  OREAD 1433(-162)
	50				HEEBNER 1477(-206)
	1500				DUNGLAS 1510(-239)
	50				
	1600		SS-24.8, F-6, MILA, CALG. HA 3/4" N.S. NUB W/ SH. 67 GRN.		
	50		SA 1/35" AA.		
	50		SA 64 DEG GRN. 3/64		

50

SH-35-AA.

SH-64 DK GY GRN. 3/50Y

SH-64 DK GY GRN.

1700

SH-64 NKG-1

LS-BRN DK BRN. F-X DVS. FOS  
NS. NUP 2/50Y

BROWN LIME  
1705 (-434)

50

LS-LI GY LI. BRN. F-X FOS. 3/DVS  
SHI CARV. N.S. P/B

LANSING  
1718 (-447)

LS-AA w/ SEAT COB. XTALG. NUB  
PUS LT. STU. TO BRN. P/B  
F-X B

LS-BRN GY LI. BRN F-X FOS. DVS  
NS. NUP

SH-64 DK GY

SH-AA MERICV

SH-DK GY GY

1800

LS-LI. BRN. BRN. F-X DVS. FOS.  
NS. NUP

LS-LI BRN LI. GY F-X FOS. 3/DVS  
SHI CARV. P/B 1000 SCAT LI.  
STU SPONZ GB. BEAT 2 X  
2/1200

LS-LI BRN F-X FOS DVS. NS.  
NUP

LS-BRN GY LI. BRN F-X FOS. DVS  
PEN SEAT LG XTALG NUP

LS-AA w/ SH GY.

50

LS-LI. BRN. BRN. F-X FOS. DVS.  
NS. NUP

LS-AA

LS-BRN LI. BRN. F-X FOS. DVS.  
NS. SCAT IX 2/SH-BRN

1900

LS-DK BRN F-X DVS. FEN FOS.  
NS. NUP

SH-DK GY GY DK CALC.

8:00 AM 10-7-11  
BONNER SPRINGS  
1898 (-627)

SH-AA 1/14 CALC. HD.

50

SH-BK DK GY LI.

LS-BRN LI. BRN. F-X DVS. FOS.  
NS. NUP



50

SH-BLK DCL, WY.

LS-BEN LF. BEN. F-X DNS FOR. N.S. NUP

SH-G, M-GY

SH-AB

2000

SH-G, M-GY FIRM

SH-AA

50

LS-L. BEN BEN GY F-X SPONS. FOR. COL OOR. LT. STN SFC SH-IT FAB W/FLUR.

LS-L. BEN LF. BEN. F-X GY FIRM FOR. COL OOR. LT. STN SFC F-X W/REGULAR FRSCA FLUR.

LS-L. BEN LF. GY F-X FOR. 100L DNS. N.S. NUP

LS-L. BEN LF. GY F-X FOR. COL OOR. F. LISTIN US SFC LX & BR FLUR.

SH-AA

2100

LS-L. GY F-Y DNS FOR. N.S. NUP

LS-L. BEN F-X FOR. GY N.S. W/IT

SH-AA

LS-BEN. LF. BEN. F-Y. FOR. DNS. N.S. NUP W/SIT BY GRN.

50

LS-L. BEN. GY F-Y. FOR. DNS N.S. PS

SH-BLK CARB.

LS-L. BEN. BUNTA F-Y. FOR. SLI REC. DNS. N.S. NUP

SH-AA

SH-BLK CARB.

2200

LS-L. BEN LF. GY F-Y. FOR. DNS N.S. NUP W/SIT GY

LS-GY F-Y DNS. ARG. N.S. NUP W/SIT GY

LS-AA. SH-AA.

LS-BEN LF. BEN. F-X DNS. N.S. FOR. NUP W/SIT DCL GY

SH-AA.

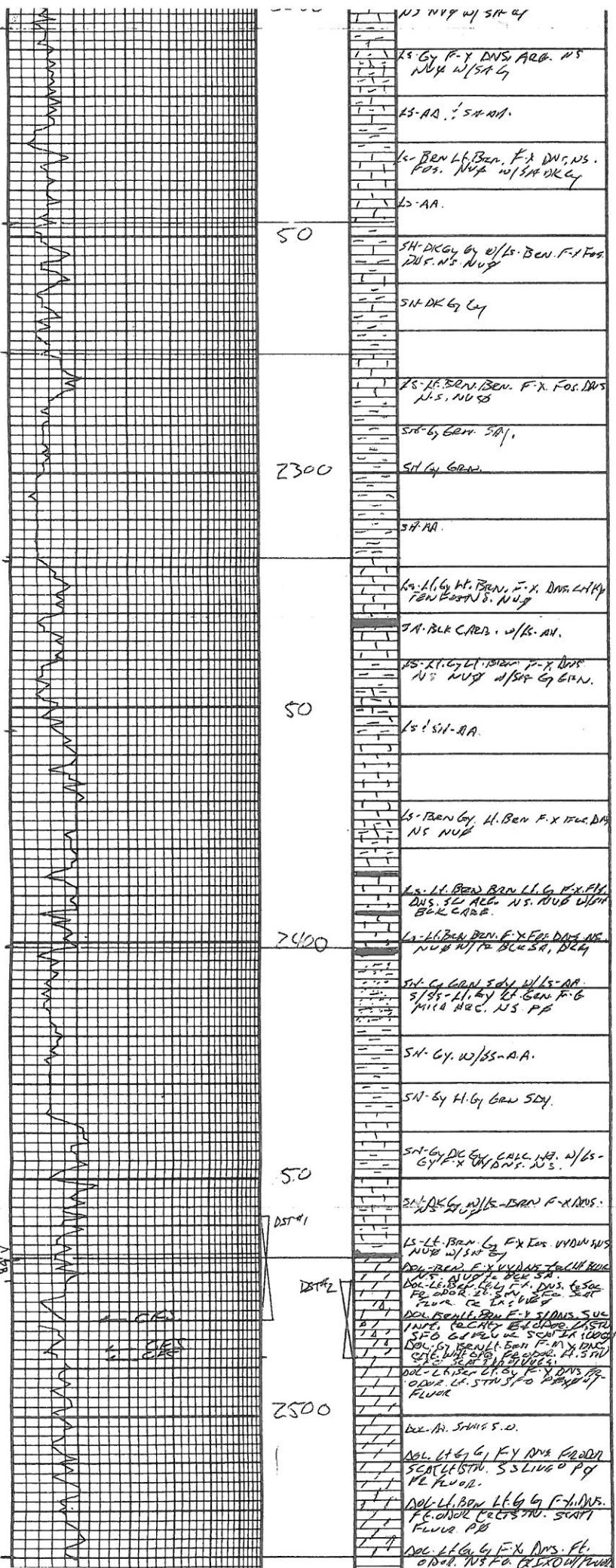
50

SH-DCL GY W/LS. BEN. F-Y FOR. DNS. N.S. NUP

KANSAS CITY  
2036(-765)

BASE KANSAS CITY  
2247(-976)





BASE KANSAS CITY  
2247(-976)

MAEMATON  
2275(1004)

Vis. 36  
wt 9.3  
2<sup>nd</sup> LCM

ACTAMONT  
2318(-1047)

CHEROKEE  
2401(-1130)

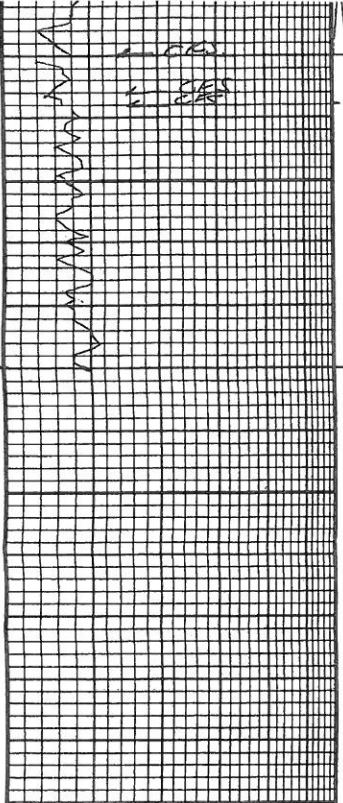
Vis 45  
wt 9.3  
2.5<sup>th</sup> LCM

ARBUCKLE  
2467(-1196)

BACK DRUG AFTER  
DST #1 6:10 AM  
10-9-11

BACK DRUG. AFTER  
DST #2 8:30 PM  
10-9-11

ETD



1	DOE-LE 1300 FT. BY F.A. DWS. 10502 FO. ODR. 21.5 M. SEC. 50 FT FLUOR. CR. LA. 1000
2	DOE-LE 1300 FT. BY F.A. DWS. 10502 INSTR. CO. CHAT. 10000. 21.5 M. SEC. 50 FT SFO. 6.5 M. SEC. 1000
3	DOE-LE 1300 FT. BY F.A. DWS. 10502 SFO. 6.5 M. SEC. 1000. 21.5 M. SEC. 50 FT SITE. 1000. 21.5 M. SEC. 50 FT
4	DOE-LE 1300 FT. BY F.A. DWS. 10502 O.D. 21.5 M. SEC. 50 FT. 1000
5	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
6	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
7	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
8	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
9	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
10	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
11	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
12	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
13	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
14	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
15	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
16	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
17	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
18	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
19	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
20	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
21	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
22	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
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27	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
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34	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
35	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
36	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
37	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
38	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
39	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
40	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
41	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
42	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
43	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
44	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
45	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
46	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
47	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
48	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
49	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000
50	DOE-LE 1300 FT. BY F.A. DWS. 10502 FLUOR. CR. LA. 1000

2101(-1196)

BACK DRILL AFTER  
DST #1 6:10 AM  
10-9-11

BACK DRILL AFTER  
DST #2 3:30 PM  
10-9-11

RTD  
2530(-1259)

DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
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CONTRACTOR \_\_\_\_\_ LOCATION \_\_\_\_\_

LEASE \_\_\_\_\_ IP \_\_\_\_\_ SEC \_\_\_\_\_ TWP \_\_\_\_\_ RNG \_\_\_\_\_

ELEVATION \_\_\_\_\_ RTD \_\_\_\_\_ COUNTY \_\_\_\_\_ STATE \_\_\_\_\_



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

**FIELD TICKET & TREATMENT REPORT**

**CEMENT API 15-015-23918**

TICKET NUMBER **33241**  
LOCATION **Evadky**  
FOREMAN **Steve Meard**

DATE	10-5-11	CUSTOMER #	5631
WELL NAME & NUMBER	Haskins-Jones #2	CUSTOMER	Mable Petroleum, Inc

TRUCK #	19	DRIVER	285
TRUCK #	45	DRIVER	Alan M
TRUCK #	611	DRIVER	Chris B
CITY	Chanute	STATE	KS
ZIP CODE	67226	MILING ADDRESS	3101 N. Rock Rd. Ste 185

JOB TYPE **Surface** HOLE SIZE **18 1/4"** HOLE DEPTH **218'** CASING SIZE & WEIGHT **8 3/4"**

CASING DEPTH **207'** DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_

CASING LEFT IN CASING \_\_\_\_\_ WATER gals/ks \_\_\_\_\_ CEMENT LEFT IN CASING \_\_\_\_\_

DISPLACEMENT **18 1/2 bbls** MIX PSI \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_

SLURRY WEIGHT **14.5#** SLURRY VOL \_\_\_\_\_ WATER gals/ks \_\_\_\_\_

REMARKS: **Safety Meeting: Rig up to 8 3/4" casing. Break circulation with 5 bbls fresh water. Mix 115 sks Class A Cement w/ 3% CaCl2, 2% Gel + 1/2 # F10 Cals. Displace with 18 1/2 bbls fresh water. Shut well in. Good cement Returns to surface 5 bbls slurry to pit. Job complete Rig down**

*Thank you*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
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54015	1	PUMP CHARGE	775.00	775.00
5406	25	MILEAGE	4.00	100.00
11045	115 sks	Class A Cement	14.25	1638.75
1102	325 #	CaCl2 3%	.70	227.50
115B	215 #	Gel 3%	.30	43.00
1107	88 #	F10 Cals 1/2 # per 15K	2.32	62.16
5407	5.41	Ten Mileage Bulk Truck 12	MIS	330.00

ESTIMATED TOTAL	3176.41	SALES TAX	189.13	TOTAL	3365.54
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AUTHORIZATION *Steve Meard*  
TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
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 ON WELL SERVICES, LLC

ENTERED

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

FIELD TICKET & TREATMENT REPORT  
CEMENT

API # 15-015-23918

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/10/11	5631	Haskins - Jones # 2	19	283	4E	Butler

CUSTOMER	Mailing Address		CITY
Maple Petroleum Inc.	3101 N. Rock Rd St 125		Whitita
DRIVER #	TRUCK #	DRIVER	TRUCK #
520	Allen B.	520	Chris B.
437	J.O.	437	J.O.

JOB TYPE	HOLE SIZE	HOLE DEPTH	CASING SIZE & WEIGHT
1 1/2 0	27 1/8"	2530'	5 1/2" 15.5 lb/m
CASING DEPTH	DRILL PIPE	TUBING	OTHER
2529'			
SLURRY WEIGHT	SLURRY VOL	WATER GALLON	CEMENT LEFT IN CASING
13.6"	31 bbl	9.0	12.45'
DISPLACEMENT	DISPLACEMENT PSI	WATER PSI	RATE
5.9' bbls	1000	1100	5.5 bbls displacement

REMARKS: Safety meeting. Rig up to 5 1/2" casing. Green circulation w/ 5 bbl fresh water. Pump 15 bbl metasilicate pre-flush, 5 bbl water spacer. Mixed 100 sacks thickest cement w/ 5" Kal-seal/sk @ 13.6"/gal, yield 1.25 washout pump & lines. Shut down, release latch down plug. Displace w/ 5.9' bbl fresh water. Final pump pressure 600 PSI. Pump plug to 1100 PSI. Release pressure, float & plug held. Good circulation @ all times while cementing. Job complete. Rig down.

..Thank You..

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	975.00	975.00
5406	25	MILEAGE	4.00	100.00
11264	100 SKS	thickest cement	18.30	1836.00
11109	500'	5" Kal-seal/sk	.44	220.00
11114	100'	metasilicate pre-flush	1.90	190.00
5407	5.5	km mileage bulk trk	m/c	330.00
5502c	5 hrs	80 bbl vac. TRK	90.00	450.00
1123	3000 gals	city water	15.00/1000	450.00
4104	1	5 1/2" cement basket	229.00	229.00
4130	4	5 1/2" x 2 1/2" centralizers	48.00	192.00
4159	1	5 1/2" API float shoe	344.00	344.00
4454	1	5 1/2" latch down pins	254.00	254.00
		Subtotal		5160.80
		SALES TAX		916.55
		ESTIMATED TOTAL		5377.35

AUTHORIZATION: *[Signature]*  
 TITLE: *[Signature]*  
 DATE: *[Signature]*  
 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.



## DRILL STEM TEST REPORT

Prepared For: **Noble Petroleum Inc.**

3101 North Rock Road Suite  
125 Wichita Kansas 67226

ATTN: Bill

**17-28s-4e-Butler**

**Haskins Jones #2**

Start Date: 2011.10.08 @ 08:46:00

End Date: 2011.10.08 @ 15:55:00

Job Ticket #: 17223                      DST #: 1

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

Printed: 2011.10.09 @ 21:57:05



# DRILL STEM TEST REPORT

Noble Petroleum Inc.  
3101 North Rock Road Suite  
125 Wichita Kansas 67226  
ATTN: Bill

**Haskins Jones #2**  
**17-28s-4e-Butler**  
Job Ticket: 17223 **DST#: 1**  
Test Start: 2011.10.08 @ 08:46:00

### GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 10:57:30  
Time Test Ended: 15:55:00  
**Interval: 2458.00 ft (KB) To 2480.00 ft (KB) (TVD)**  
Total Depth: 2480.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Dustin Ellis  
Unit No: 3315-GB-240  
Reference Elevations: 1271.00 ft (KB)  
1265.00 ft (CF)  
KB to GR/CF: 6.00 ft

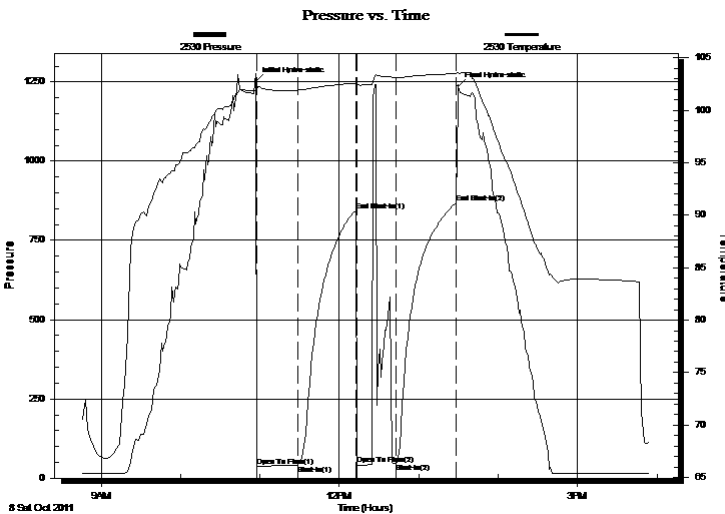
### Serial #: 2530

Inside

Press @ Run Depth: 47.85 psia @ 2476.00 ft (KB) Capacity: 5000.00 psia  
Start Date: 2011.10.08 End Date: 2011.10.08 Last Calib.: 2011.10.09  
Start Time: 08:46:00 End Time: 15:55:00 Time On Btm: 2011.10.08 @ 10:57:00  
Time Off Btm: 2011.10.08 @ 13:30:00

**TEST COMMENT:** 1st open 30 minutes Weak surface blow then died off  
1st shut in 45 minutes No blow back  
2nd open 30 minutes Weak surface blow died off  
2nd shut in 45 minutes No blow back

### PRESSURE SUMMARY



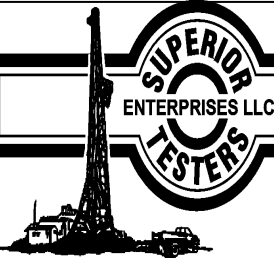
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1251.80	102.31	Initial Hydro-static
1	38.17	101.93	Open To Flow (1)
32	41.59	101.92	Shut-In(1)
76	844.39	102.59	End Shut-In(1)
76	43.60	102.33	Open To Flow (2)
106	47.85	103.08	Shut-In(2)
152	869.14	103.49	End Shut-In(2)
153	1235.58	103.54	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil cut mud 80%oil 20%mud	0.02

### Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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# DRILL STEM TEST REPORT

Noble Petroleum Inc.  
3101 North Rock Road Suite  
125 Wichita Kansas 67226  
  
ATTN: Bill

**Haskins Jones #2**  
**17-28s-4e-Butler**  
Job Ticket: 17223      **DST#: 1**  
Test Start: 2011.10.08 @ 08:46:00

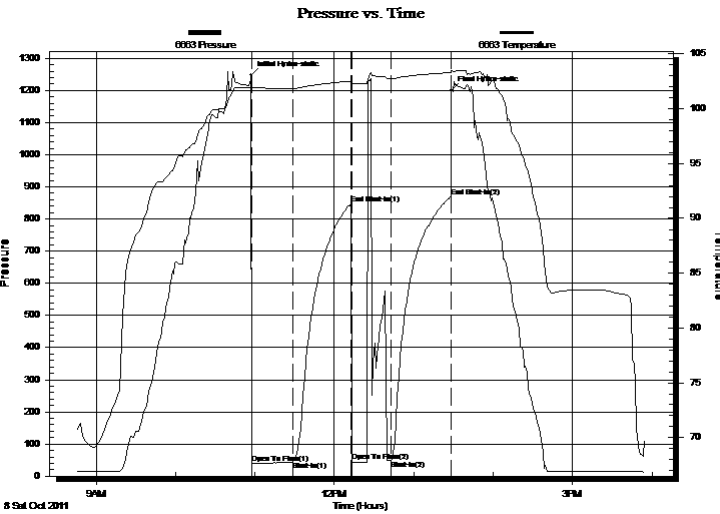
## GENERAL INFORMATION:

Formation: <b>Arbuckle</b>					
Deviated:      No    Whipstock:			ft (KB)	Test Type:	Conventional Bottom Hole (Initial)
Time Tool Opened: 10:57:30				Tester:	Dustin Ellis
Time Test Ended: 15:55:00				Unit No:	3315-GB-240
<b>Interval:      2458.00 ft (KB) To    2480.00 ft (KB) (TVD)</b>				Reference Elevations:	1271.00 ft (KB)
Total Depth:	2480.00 ft (KB) (TVD)				1265.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition:	Fair	KB to GR/CF:	6.00 ft

## Serial #: 6663      Outside

Press @ RunDepth:	869.14 psia @    2477.00 ft (KB)	Capacity:	5000.00 psia	
Start Date:	2011.10.08      End Date:	2011.10.08	Last Calib.:	2011.10.09
Start Time:	08:46:00      End Time:	15:54:30	Time On Btm:	2011.10.08 @ 10:57:00
			Time Off Btm:	2011.10.08 @ 13:28:30

**TEST COMMENT:** 1st open 30 minutes Weak surface blow then died off  
1st shut in 45 minutes No blow back  
2nd open 30 minutes Weak surface blow died off  
2nd shut in 45 minutes No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1246.79	102.17	Initial Hydro-static
1	39.66	101.89	Open To Flow (1)
32	46.10	101.86	Shut-In(1)
76	846.43	102.53	End Shut-In(1)
76	44.83	102.29	Open To Flow (2)
106	49.45	102.75	Shut-In(2)
151	869.14	103.31	End Shut-In(2)
152	1200.30	103.49	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil cut mud 80%oil 20%mud	0.02

## Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Noble Petroleum Inc.  
 3101 North Rock Road Suite  
 125 Wichita Kansas 67226  
 ATTN: Bill

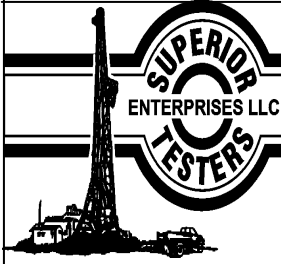
**Haskins Jones #2**  
**17-28s-4e-Butler**  
 Job Ticket: 17223 **DST#: 1**  
 Test Start: 2011.10.08 @ 08:46:00

**Tool Information**

Drill Pipe:	Length: 2225.00 ft	Diameter: 3.80 inches	Volume: 31.21 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: 219.00 ft	Diameter: 2.25 inches	Volume: 1.08 bbl	Weight to Pull Loose: 36000.00 lb
			<u>Total Volume: 32.29 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	2458.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			2435.00	
Hydraulic Tool	5.00			2440.00	
Jars	6.00			2446.00	
Safety Joint	2.00			2448.00	
Packer	5.00			2453.00	28.00 Bottom Of Top Packer
Packer	5.00			2458.00	
Perforations	17.00			2475.00	
Recorder	1.00	68066	Inside	2476.00	
Recorder	1.00	6663	Outside	2477.00	
Bull Plug	3.00			2480.00	22.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>50.00</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Noble Petroleum Inc.  
3101 North Rock Road Suite  
125 Wichita Kansas 67226  
ATTN: Bill

**Haskins Jones #2**  
**17-28s-4e-Butler**  
Job Ticket: 17223      **DST#: 1**  
Test Start: 2011.10.08 @ 08:46:00

### 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: 38.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.17 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 1200.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Oil cut mud 80%oil 20%mud	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

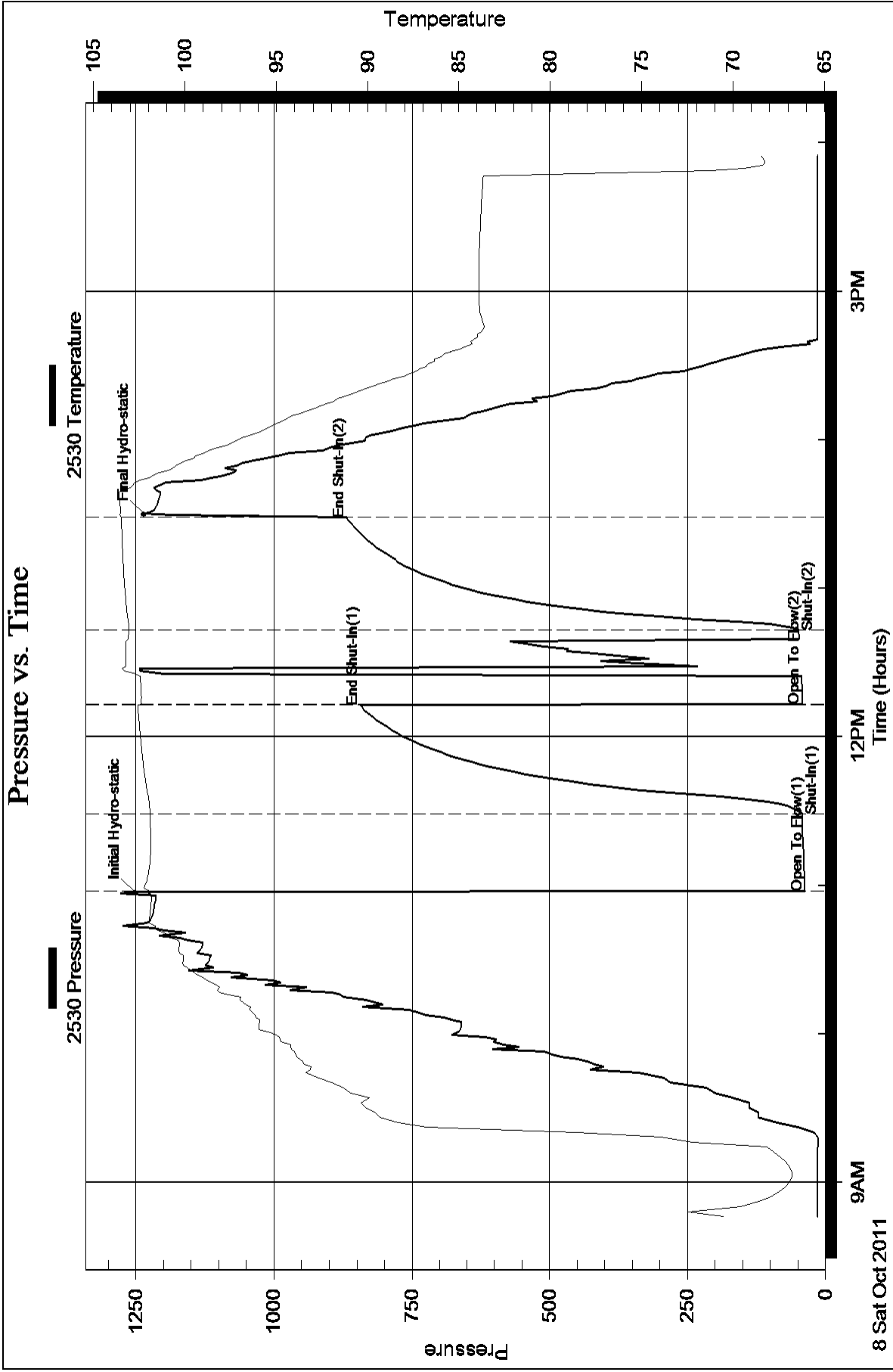
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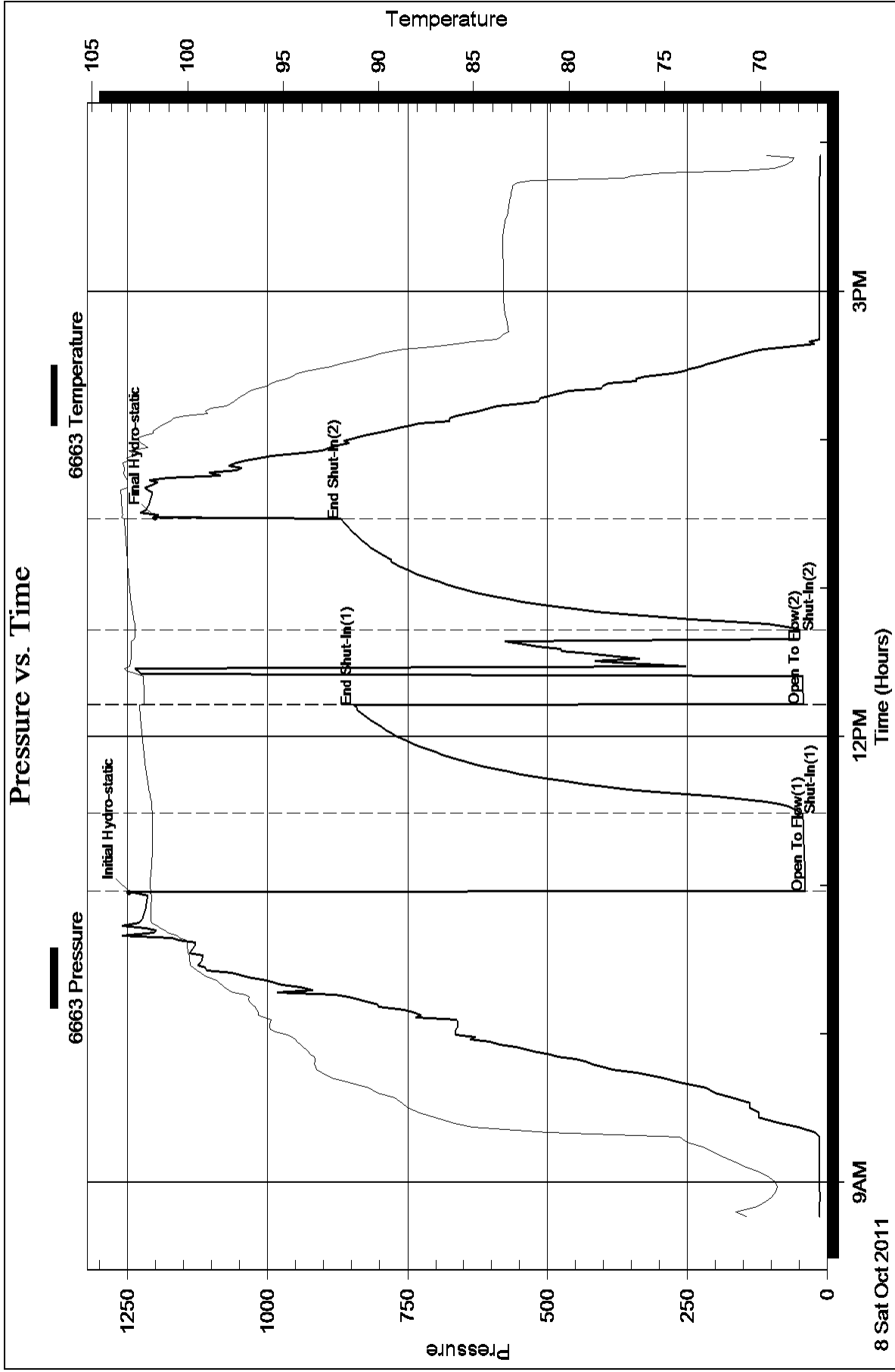
Inside

Noble Petroleum Inc.

17-28s-4e-Butler

DST Test Number: 1







## DRILL STEM TEST REPORT

Prepared For: **Noble Petroleum Inc.**

3101 North Rock Road Suite  
125 Wichita Kansas 67226

ATTN: Bill

**17-28s-4e-Butler**

**Haskins Jones #2**

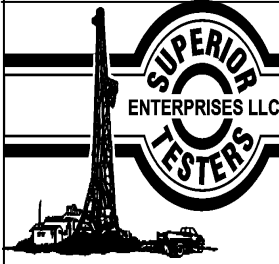
Start Date: 2011.10.09 @ 09:35:00

End Date: 2011.10.09 @ 18:24:30

Job Ticket #: 17224                      DST #: 2

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

Printed: 2011.10.09 @ 21:55:47



# DRILL STEM TEST REPORT

Noble Petroleum Inc.  
 3101 North Rock Road Suite  
 125 Wichita Kansas 67226  
 ATTN: Bill

**Haskins Jones #2**  
**17-28s-4e-Butler**  
 Job Ticket: 17224      **DST#: 2**  
 Test Start: 2011.10.09 @ 09:35:00

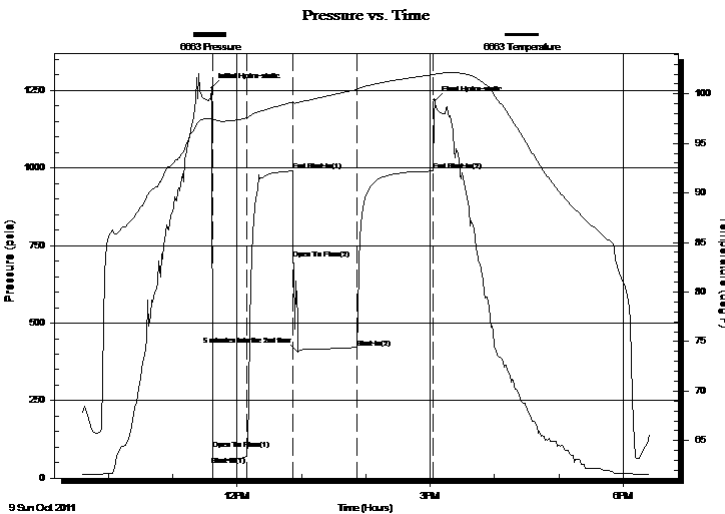
## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No      Whipstock:      ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 11:37:00      Tester: Dustin Ellis  
 Time Test Ended: 18:24:30      Unit No: 3315-GB-280  
 Interval: **2472.00 ft (KB) To 2488.00 ft (KB) (TVD)**      Reference Elevations: 1271.00 ft (KB)  
 Total Depth: 2488.00 ft (KB) (TVD)      1265.00 ft (CF)  
 Hole Diameter: 7.88 inches      Hole Condition: Fair      KB to GR/CF: 6.00 ft

**Serial #: 6663      Outside**  
 Press @ Run Depth: 419.71 psia @ 2485.00 ft (KB)      Capacity: 5000.00 psia  
 Start Date: 2011.10.09      End Date: 2011.10.09      Last Calib.: 2011.10.09  
 Start Time: 09:36:00      End Time: 18:24:30      Time On Btm: 2011.10.09 @ 11:36:30  
    Time Off Btm: 2011.10.09 @ 15:04:00

**TEST COMMENT:** 1st open 30 minutes Fair blow built to 3.5 inches in a 5 gallon bucket of water  
 1st shut in 45 minutes No blow back  
 2nd open 60 minutes Strong blow blew bottom of bucket in 1 minute  
 2nd shut in 60 minutes No blow back

## PRESSURE SUMMARY



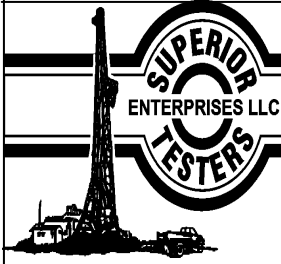
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1258.51	97.51	Initial Hydro-static
1	92.46	96.79	Open To Flow (1)
32	69.73	97.56	Shut-In(1)
75	990.15	99.16	End Shut-In(1)
76	705.33	99.03	Open To Flow (2)
81	407.14	99.14	5 minutes into the 2nd flow
136	419.71	100.44	Shut-In(2)
206	990.22	101.92	End Shut-In(2)
208	1217.42	102.00	Final Hydro-static

## Recovery

## Gas Rates

Length (ft)	Description	Volume (bbl)
360.00	Slightly Oil Cut Mud	3.05
0.00	5% Oil 95% Mud	0.00
180.00	Slightly Oil Cut Mud	2.52
0.00	10% Oil 90% Mud	0.00

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



# DRILL STEM TEST REPORT

Noble Petroleum Inc.  
 3101 North Rock Road Suite  
 125 Wichita Kansas 67226  
 ATTN: Bill

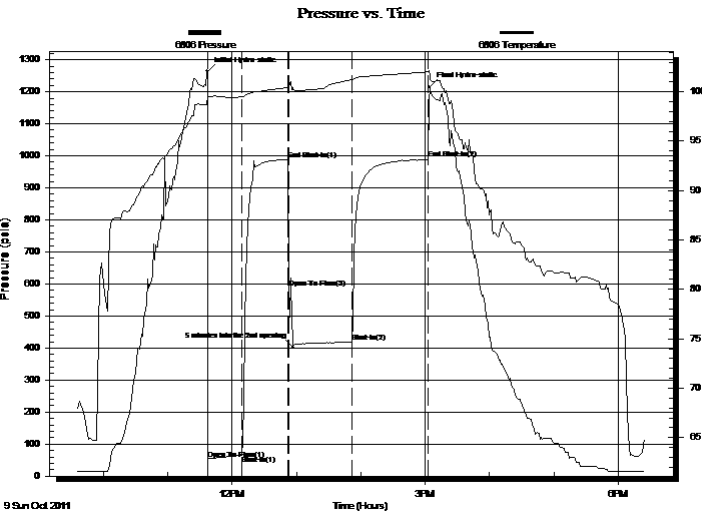
**Haskins Jones #2**  
**17-28s-4e-Butler**  
 Job Ticket: 17224 **DST#: 2**  
 Test Start: 2011.10.09 @ 09:35:00

### GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:37:00  
 Time Test Ended: 18:24:30  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Ellis  
 Unit No: 3315-GB-280  
 Interval: **2472.00 ft (KB) To 2488.00 ft (KB) (TVD)**  
 Reference Elevations: 1271.00 ft (KB)  
 Total Depth: 2488.00 ft (KB) (TVD) 1265.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

**Serial #: 6806 Inside**  
 Press @ RunDepth: 990.39 psia @ 2484.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2011.10.09 End Date: 2011.10.09 Last Calib.: 2011.10.09  
 Start Time: 09:36:00 End Time: 18:24:30 Time On Btm: 2011.10.09 @ 11:37:00  
 Time Off Btm: 2011.10.09 @ 15:04:00

**TEST COMMENT:** 1st open 30 minutes Fair blow built to 3.5 inches in a 5 gallon bucket of water  
 1st shut in 45 minutes No blow back  
 2nd open 60 minutes Strong blow blew bottom of bucket in 1 minute  
 2nd shut in 60 minutes No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1264.30	98.66	Initial Hydro-static
1	53.75	99.58	Open To Flow (1)
32	65.96	99.49	Shut-In (1)
75	988.90	100.42	End Shut-In (1)
76	587.93	101.23	Open To Flow (2)
80	402.48	100.20	5 minutes into the 2nd opening
135	418.26	101.24	Shut-In (2)
206	990.39	102.04	End Shut-In (2)
207	1215.75	101.75	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
360.00	Slightly Oil Cut Mud	3.05
0.00	5% Oil 95% Mud	0.00
180.00	Slightly Oil Cut Mud	2.52
0.00	10% Oil 90% Mud	0.00

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





# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Noble Petroleum Inc.  
 3101 North Rock Road Suite  
 125 Wichita Kansas 67226  
 ATTN: Bill

**Haskins Jones #2**  
**17-28s-4e-Butler**  
 Job Ticket: 17224 **DST#: 2**  
 Test Start: 2011.10.09 @ 09:35:00

**Tool Information**

Drill Pipe:	Length: 2257.00 ft	Diameter: 3.80 inches	Volume: 31.66 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: 219.00 ft	Diameter: 2.25 inches	Volume: 1.08 bbl	Weight to Pull Loose: 41000.00 lb
			<u>Total Volume: 32.74 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	2472.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.25 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			2449.00	
Hydraulic Tool	5.00			2454.00	
Jars	6.00			2460.00	
Safety Joint	2.00			2462.00	
Packer	5.00			2467.00	28.00 Bottom Of Top Packer
Packer	5.00			2472.00	
Perforations	11.00			2483.00	
Recorder	1.00	6806	Inside	2484.00	
Recorder	1.00	6663	Outside	2485.00	
Bull Plug	3.00			2488.00	16.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>44.00</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Noble Petroleum Inc.  
3101 North Rock Road Suite  
125 Wichita Kansas 67226  
ATTN: Bill

**Haskins Jones #2**  
**17-28s-4e-Butler**  
Job Ticket: 17224      **DST#: 2**  
Test Start: 2011.10.09 @ 09:35:00

### 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: 38.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 1200.00 ppm			
Filter Cake: 1.00 inches			

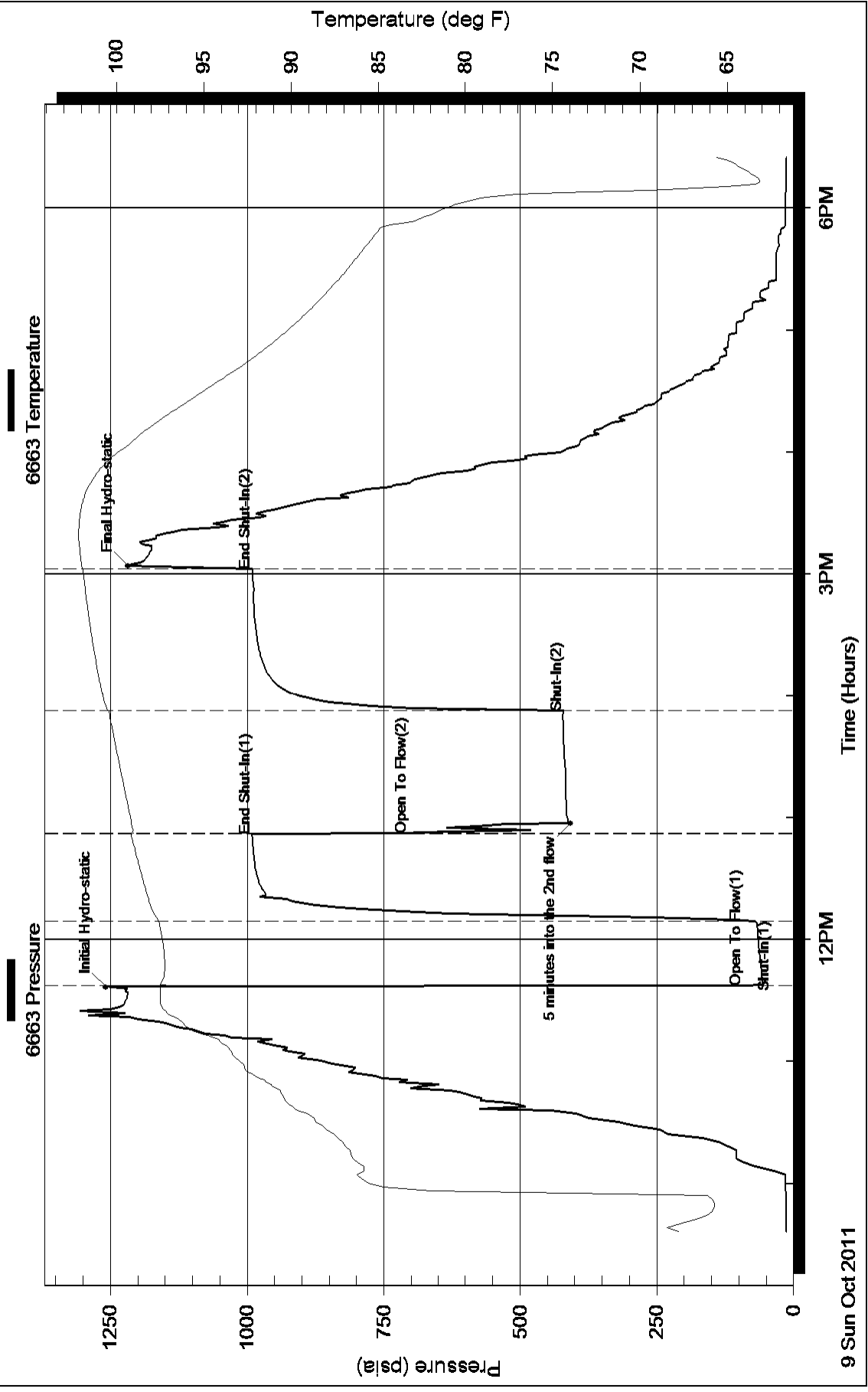
### Recovery Information

Recovery Table

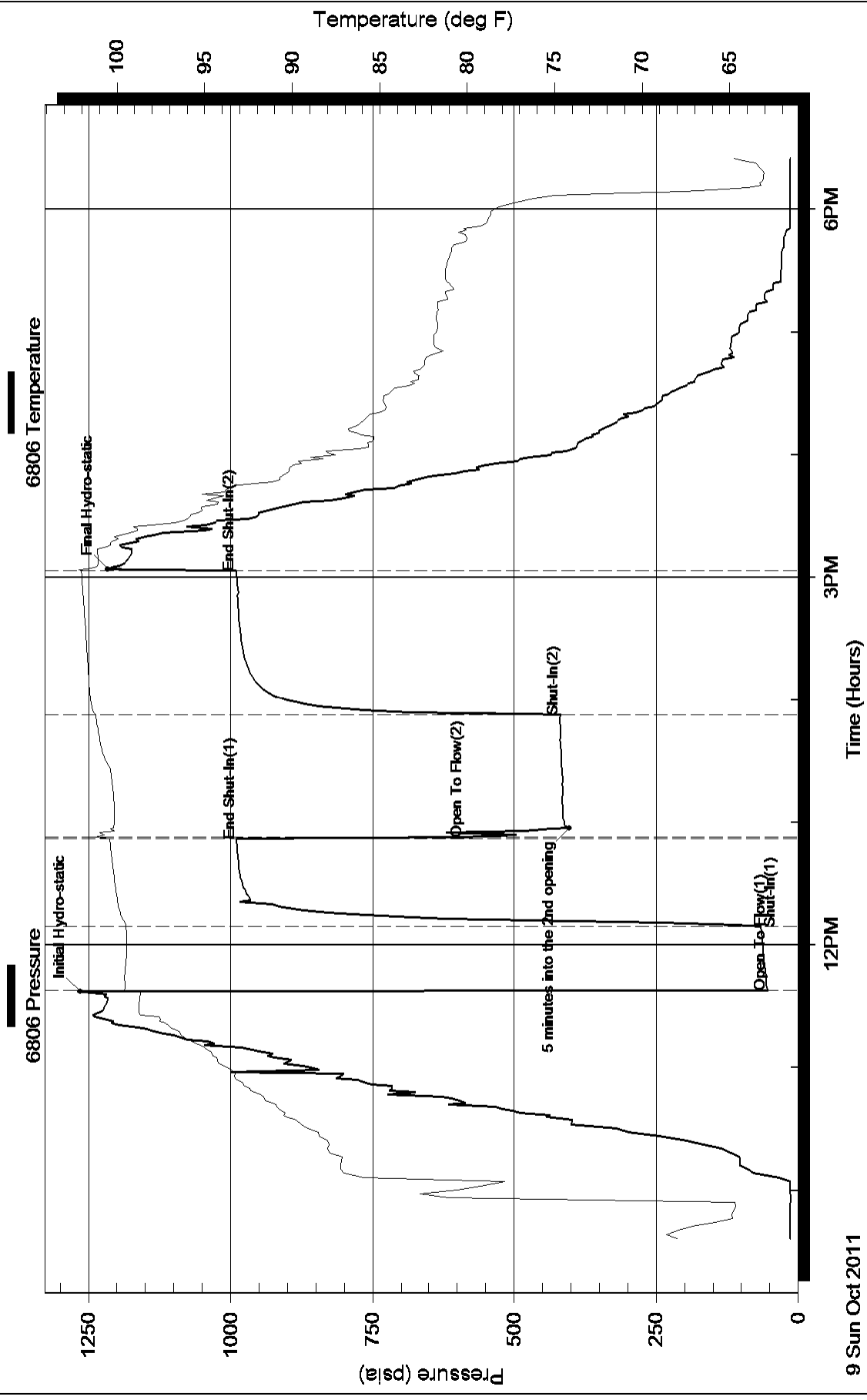
Length ft	Description	Volume bbl
360.00	Slightly Oil Cut Mud	3.055
0.00	5% Oil 95% Mud	0.000
180.00	Slightly Oil Cut Mud	2.525
0.00	10% Oil 90% Mud	0.000

Total Length: 540.00 ft      Total Volume: 5.580 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

# Pressure vs. Time



### Pressure vs. Time



Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

November 04, 2011

Jay Ablah  
Noble Petroleum, Inc.  
3101 N ROCK RD STE 125  
WICHITA, KS 67226-1300

Re: ACO1  
API 15-015-23918-00-00  
HASKINS-JONES 2  
NE/4 Sec.19-28S-04E  
Butler County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Jay Ablah