



KANSAS CORPORATION COMMISSION 1064558  
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 # \_\_\_\_\_

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: \_\_\_\_\_



1064558

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Hess Oil Company
Well Name	Shelly 1
Doc ID	1064558

Tops

Name	Top	Datum
Anhydrite	1990	808
Base Anhydrite	2002	796
Heebner	3996	-1198
Toronto	4011	-1213
Lansing	4042	-1244
Stark Shale	4357	-1559
Base Kanssa City	4477	-1679
Marmaton	4530	-1732
Pawnee	4577	-1779
Cherokee Shale	4617	-1819
Morrow Shale	4729	-1931
Morrow Sand	4337	-1939
Miss (St. Gen.)	4744	-1946
St. Louis Porosity	4838	-2040
LTD	4875	-2077
RTD	4880	-2082

# M. Bradford Rine

## Consulting Geologist, Licensed and Certified

Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: Shelly #1  
Location: C - NE - NE, Section 25 - T23S - R30W  
License Number: API #15-055-22112-00-00  
Spud Date: August 09, 2011  
Surface Coordinates: 660' FNL & 660' FEL  
Region: Finney County, Kansas  
Drilling Completed: August 18, 2011, P & A

Bottom Hole Vertical Test P & A  
Coordinates:  
Ground Elevation (ft): 2793 K.B. Elevation (ft): 2798  
Logged Interval (ft): 3800 To: 4880 Total Depth (ft): RTD 4880 ft, LTD 4875 ft  
Formation: Pennsylvanian (Topeka) to Mississippian (St. Louis)  
Type of Drilling Fluid: Chemical

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

### Operator

Company: HESS OIL COMPANY  
Address: PO Box 1009  
McPherson, Kansas 67460 + 1009

### Geologist

Name: M. Bradford Rine  
Company: Consulting Geologist, Kansas Lic. #204, Wyo #189, AAPG Cert. #2647  
Address: 100 South Main, Suite #415  
Wichita, Kansas 67202

### Remarks

Based on sample observations, Drill Stem Test results, and electric log evaluation, it was the decision of the Operator to plug and abandon the "Shelly #1" on, August 18, 2011.

Respectfully submitted,  
M. Bradford Rine, Consulting Geologist

Hess Oil Company KB 2798 Ft. Section 27 - T23S - R30W					Hess Oil Company "Old Paint #1" Section 36 - T23S - R30W
Formation:	Sample Top:	Datum:	Log Top:	Datum:	Comparison:
Anhydrite	1992	806	1990	808	-8
B/Anyhydrite	2004	794	2002	796	-8
Heebner	4000	-1202	3996	-1198	(+13)
Toronto	4015	-1217	4011	-1213	(+16)
Lansing	4052	-1254	4042	-1244	(+19)
Stark Sh	4364	-1566	4357	-1559	(+18)
B/Kansas City	4483	-1685	4477	-1679	(+24)
Marmaton	4541	-1743	4530	-1732	(+28)
Pawnee	4579	-1781	4577	-1779	(+25)
Cherokee Sh	4623	-1825	4617	-1819	(+24)
Morrow Sh	4730	-1932	4729	-1931	(+24)
Morrow Sd	4733	-1935	4337	-1939	No Clean Sand in Shelly #1
Miss (St. Gen.)	4749	-1951	4744	-1946	(+34)
St. Louis Porosity	4844	-2046	4838	-2040	No Porosity Break in Old Paint #1
Total Depth	4880	-2082	4875	-2077	NA * LTD 5 ft shallow to RTD

### Drilling Information

**Rig:** Mallard JV, Inc. #2  
**Pump:** Emsco D-375 6 x 14  
**Drawworks:** Emsco BDW  
**Collars:** 486' 2-1/4" x 6-1/4"  
**Drillpipe:** 4-1/2" 16.6# XH  
**Toolpusher:** Lavon Urban

**Mud:** Mudco (Justin Whiting)  
**Gas Detector:** None  
**Drill Stem Tests:** Trilobite (Will MacLean)  
**Logs:** Log-Tech (C. Desaire)  
**Water:** Well Drilled On Location

**Company Representatives:**  
**Office:** Jim Hess  
**Field:** None

### Daily Drilling Status

**Date:** Morning Operations/Depth/Comments:  
 08-09-11 MIRT, RU, Spud 2:30 pm, set surf csg, pd @ 8:15 pm  
 08-10-11 Drilling @ 292 ft  
 08-11-11 Drilling @ 1945 ft  
 08-12-11 Drilling @ 2849 ft  
 08-13-11 Drilling @ 3452 ft  
 08-14-11 Drilling @ 4040 ft  
 08-15-11 Drilling @ 4475 ft  
 08-16-11 Drilling @ 4740 ft  
 08-17-11 Down For Repairs @ 4778 ft  
 08-18-11 Logging @ 4880', RTD. Done logging 10:15 AM.

Plugging Completed at 6:30 PM.

## Casing Record, Bit Record, Deviation Surveys

### CASING:

Conductor: None

Surface: Ran 5 jts 8-5/8" 20#, set at 234', cem/150 sx common  
2% gel, 3% CC. CDC. PD at 8:15 pm

Production: None. P & A. Plugging completed by "Allied", as per orders by Lacey, KCC.

### BITS:

No:	Size:	Make:	Type:	Depth In:	Depth Out:	Feet:	Hours:
1	12-1/4	HTC	RT	0	234	234	2
2	7-7/8	Smith	F27	234	4880	4646	133

### DEVIATION SURVEYS:

Deviation:	Depth:	Deviation:	Depth:
3/4 *	234'		
1-1/2 *	4770'		
1-1/2 *	4880'		



**TRILOBITE  
TESTING, INC**

### DRILL STEM TEST REPORT

Hess Oil Co  
P.O Box 1009  
McPherson KS 67640  
ATTN: Brad Rine

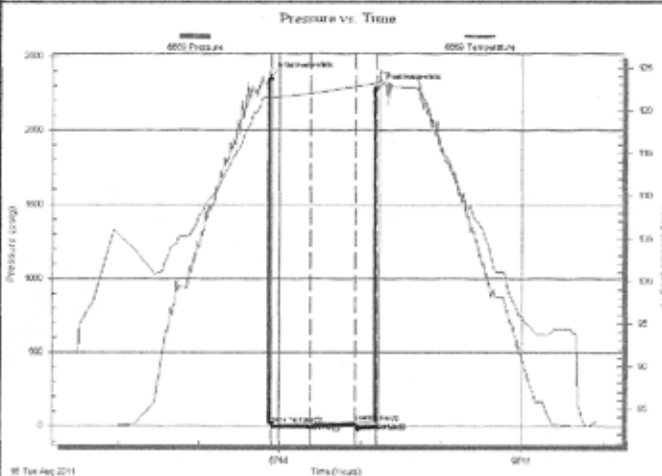
**Shelly #1**  
**25-23s-30w**  
Job Ticket: 43287      DST#: 1  
Test Start: 2011.08.16 @ 15:30:15

**GENERAL INFORMATION:**

Formation: **Morrow**  
Deviated: **No Whipstock:**      ft (KB)  
Time Tool Opened: 17:53:45  
Time Test Ended: 21:55:30  
Interval: **4707.00 ft (KB) To 4770.00 ft (KB) (TVD)**  
Total Depth: **4770.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Good**  
Test Type: **Conventional Bottom Hole**  
Tester: **Will MacLean**  
Unit No: **48**  
Reference Elevations: **2798.00 ft (KB)**  
**2793.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

Serial #: **6669**      Outside  
Press@RunDepth: **17.98 psig @ 4708.00 ft (KB)**      Capacity: **8000.00 psig**  
Start Date: **2011.08.16**      End Date: **2011.08.16**      Last Calib.: **2011.08.16**  
Start Time: **15:30:15**      End Time: **21:55:30**      Time On Btm: **2011.08.16 @ 17:53:30**  
Time Off Btm: **2011.08.16 @ 19:13:45**

TEST COMMENT: IF-Weak Surface Blow Died in 45 seconds  
IS- No Blow  
FF- No Blow  
FS- Pull Tool



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2368.46	121.66	Initial Hydro-static
1	16.68	121.51	Open To Flow (1)
30	17.98	122.08	Shut-in(1)
63	27.00	122.86	End Shut-in(1)
63	19.55	122.85	Open To Flow (2)
79	24.83	123.26	Shut-in(2)
81	2288.21	123.74	Final Hydro-static


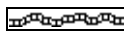
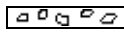

**Recovery**

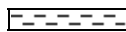



Length (ft)	Description	Volume (bbl)
5.00	100%m	0.02
	Few Oil Spots in Tool	





**Gas Rates**

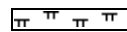

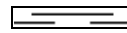

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

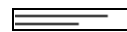



### Rock Types

-  Anhy
-  Bent
-  Brec
-  Cht

-  Clyst
-  Coal
-  Congl
-  Dol
















-  Gyp
-  Igne
-  Lmst
-  Meta














-  Mrlst
-  Salt
-  Shale
-  Shcol

-  Shgy
-  Sltst
-  Ss
-  Till
















### Accessories







#### MINERAL

-  Anhy
-  Arggrn
-  Arg
-  Bent
-  Bit
-  Brecfrag
-  Calc
-  Carb
-  Chtdk
-  Chtlt
-  Dol
-  Feldspar
-  Ferrpel
-  Ferr
-  Glau








-  Gyp
-  Hvymin
-  Kaol
-  Marl
-  Minxl
-  Nodule
-  Phos
-  Pyr
-  Salt
-  Sandy
-  Silt
-  Sil
-  Sulphur
-  Tuff

#### FOSSIL

-  Algae
-  Amph
-  Belm
-  Bioclst
-  Brach
-  Bryozoa
-  Cephal
-  Coral
-  Crin
-  Echin
-  Fish
-  Foram
-  Fossil
-  Gastro
-  Oolite












-  Ostra
-  Pelec
-  Pellet
-  Pisolite
-  Plant
-  Strom

#### STRINGER

-  Anhy
-  Arg
-  Bent
-  Coal
-  Dol
-  Gyp
-  Ls
-  Mrst

-  Sltstrg
-  Ssstrg

#### TEXTURE

-  Boundst
-  Chalky
-  Cryxln
-  Earthy
-  Finexln
-  Grainst
-  Lithogr
-  Microxln
-  Mudst
-  Packst
-  Wackest

### Other Symbols

-  OIL SHOW
-  Even

-  Spotted
-  Ques

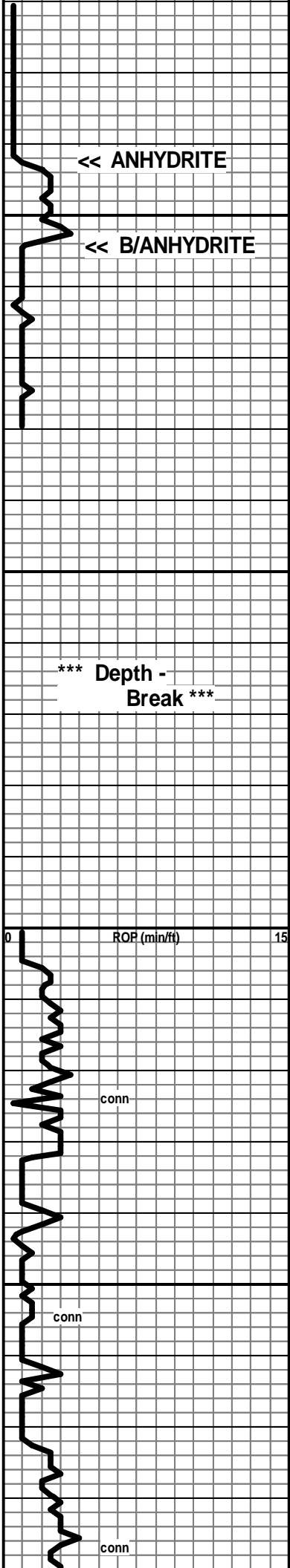
-  Dead

-  INTERVAL
-  Core

-  Dst

ROP (min/ft)					
ROP (min/ft)	—	Depth	Lithology	Geological Descriptions	Remarks
0	ROP (min/ft)	15			
		1900			
		1950			





2000

2050

3800

3850

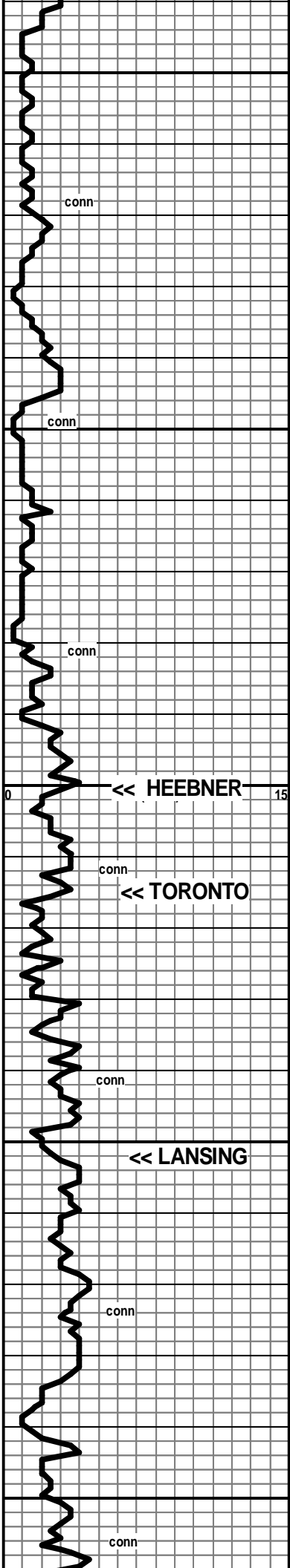


ANH Interval based on drill time only!

< 1992

< 2004

\* Displace and Mud up @ 3573"



3900  
3950  
4000  
4050  
4100

LS wh-pl gy, fn xln, fr xln por, scatt pp por, sli foss

LS wh-cr-pl gy, fn xln, pr-fr xln por, foss

LS cr-tan, fn xln, pr-fr xln por, ool-oom, scatt oom and pp por, foss

LS cr-pl gy, fn xln, dns to pr xln por, foss, cherty: fresh, gy, foss

SH black, carb

LS cr, fn xln, dns, foss

SH gy, subsilty text

LS wh-cr, fn xln, pr-fr xln por, scatt pp and vug por, foss, chert: fr, wh, opa, q,

[No Show]

LS cr, fn xln, dns, foss

SH gy-dk gy-grnish

LS wh-cr, fn xln, mostly dns, scatt pr xln por and scatt Rr pp por

[NoShow]

LS cr, fn xln, dns, foss

SH gy-dk gy

LS wh-cr, fn xln, pr-fr xln por, ool-oom (mostly well com)

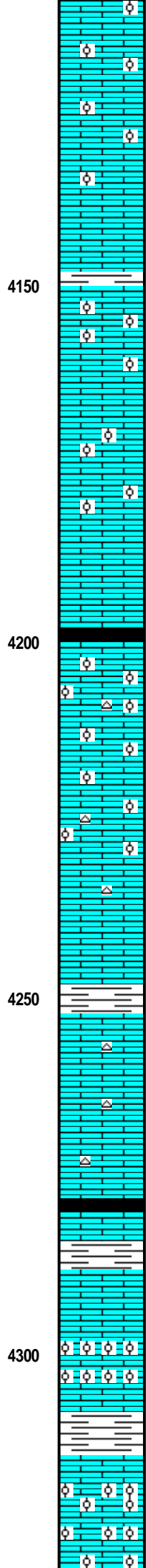
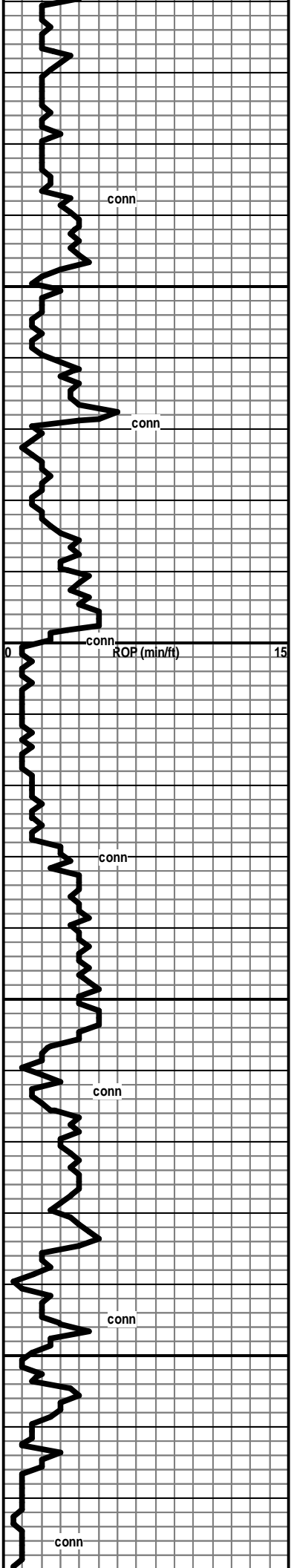
WOB 40,000  
RPM 60  
PP 900  
SPM 60

< 4000

< 4015

7:00 am, August 14, 2011, Drlg @ 4040 ft

< 4052



LS wh-cr, fn xln, pr-fr xln por, ool in pt (mostly well-cem)  
foss, abund calcite patches

[No Show]

SH gy-grnish

LS cr, fn xln, frgi xon por in pt with some subsucrosic text,  
foss in pt, ool in pt

[No Show]

LS cr, fn xln, dns, foss

SH black, carb

LS wh-cr, fn xon, pr-fr xln por, foss, mealy text in part,  
ool-packed ool with scatt fr inter-ool por, chert: fresh,  
wh-cr-gy, subopaq, foss

[No Show]

LS wh-cr, fn xln, dns-pr xln por, foss

SH gy-reddish, silty in part

LS wh-cr, fn xln, pr-fr xln por, foss in pt, chert: fresh,  
wh-tan-gy, subtransl-subopaq

[No Show]

LS wh-cr, fn xln, dns, foss, cherty as above

SH grnish-black

LS wh-cr, fn xln, pr-fr xln por, dns in pt, foss

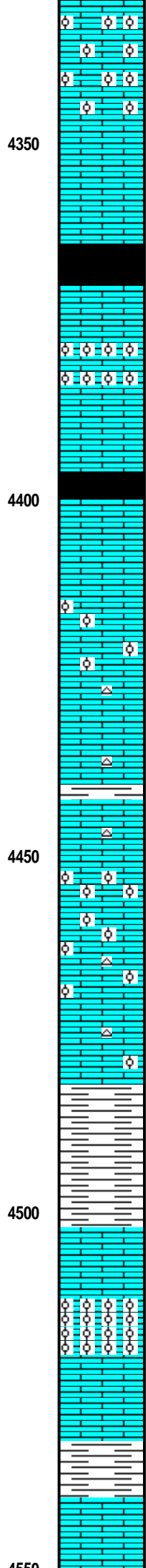
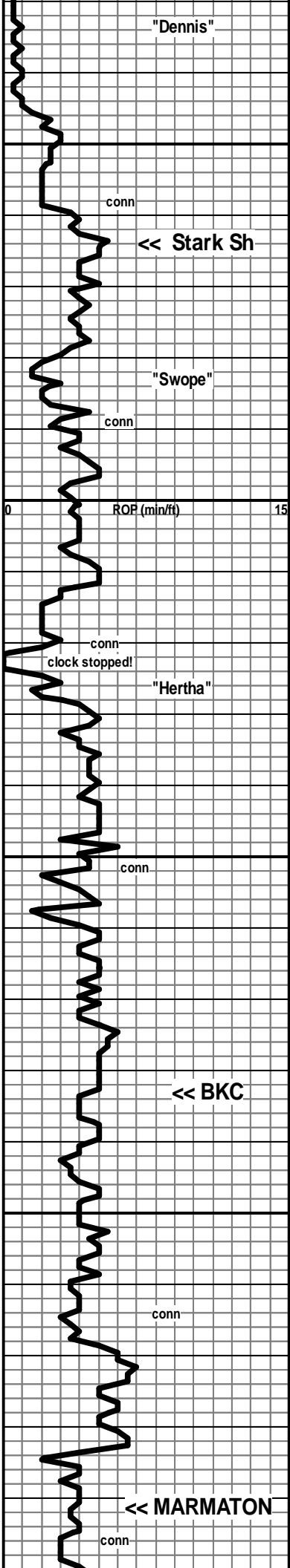
LS wh, packed ool in pt in wh-brn cement

SH grn-grnish gy

LS cr-tan, packed ool in mix of well-cemented to fr  
inter-ool xln por and pp por

Mud Check @ 4168' Drlg:

Vis	Wt	WL	LCM	PV	YP
45	9.2	9.6	1	14	14
Chl	Hd	pH			
2500	20	9.5			



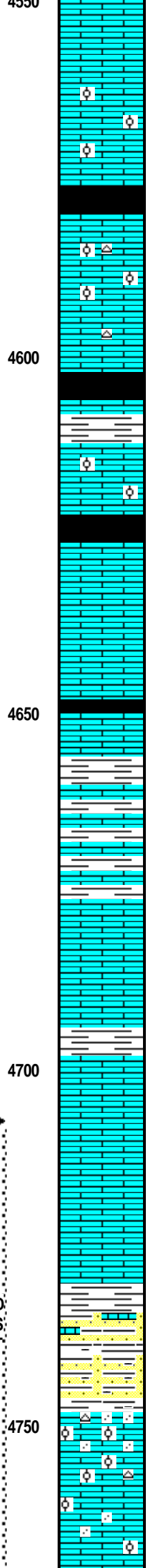
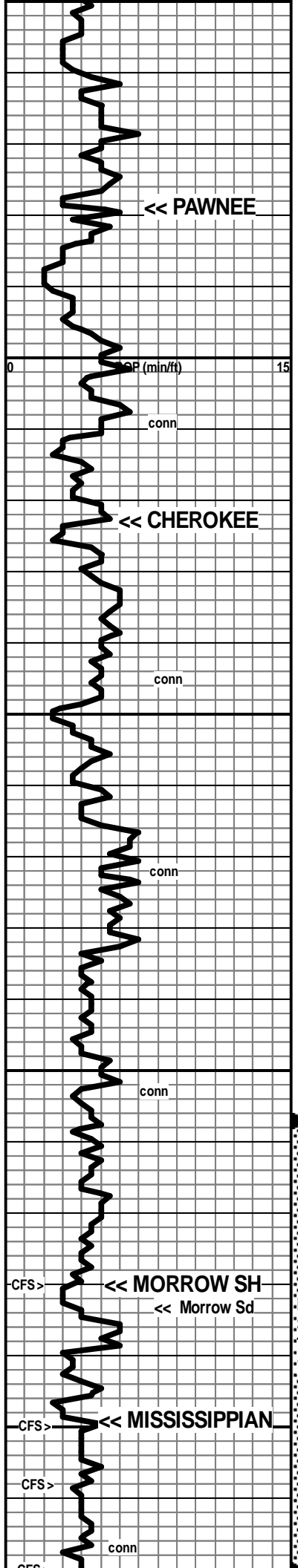
[NoShow]  
 LS cr-tan, fn xln, pr-fr xln por, foss, scatt vugs  
 SH black (porly repres in spls)  
 LS cr-tan, fn xln, dns, foss  
 LS tan, packed ool and oom, fr-gd oom por  
 [No Show]  
 SH gy-black, carb in pt  
 LS wh-cr-tan, fn xln, dns in pt, chalky in pt, foss  
 LS wh-cr, fn xln, pr-fr xln por, subgrainy text in pt, foss, micro-ool?, chert: fresh-subgrainy, gy, subopaq  
 [NoShow]  
 LS wh-cr, fn xln, dns, foss  
 SH gy  
 LS cr-tan-pl gy, fn xln, dns, pyritic in pt, foss, cherty as above  
 LS tan, ool-packed ool, well-cem to some inter-ool por  
 [No Show]  
 LS cr-tan, fn xln, dns, ool, chert: fresh, wh-tan, ool, opa  
 SH gy-dk gy-grnish, silty in pt to shaly siltstone in pt, calc in pt  
 LS wh-cr, fn xln, mostly packed ool in dns cement to cement with scatt pr-fr xln por, foss in pt  
 LS cr-tan-pl gy, fn xln, mostly dns, scatt pr xln por, foss  
 SH gy-grnish, calc in pt, silty in pt  
 LS cr, fn xln, vfn-fn xln, dns, foss in pt, scatt calcite

< 4364

7:00 am, August 15, 2011, Drlg @ 4475 ft

< 4483

< 4541



[No Show]

LS cr-tan, fn xln, dns, subchalky in pt, foss, ool in pt

SH dk gy - black, carb in pt

LS wh-cr-tan, fn xln, pr vis xln por, chalky in pt, micro-ool in pt, foss, cherty: fr, tan, transl.

[No Show]

SH black, carb

LS cr-tan-brn, vfn-fn xln, dns, foss, ool in pt

[No Show]

SH black, carb

LS wh-cr-tan, fn xln, dns, foss-abund foss

[No Show]

LS cr-gy, fn xln, dns

SH gy-black, carb in pt

LS cr-tan, vfn-fn xln, dns

SH gy-dk gy-grnsh

LS cr-tan, vfn-fn xln, dns, foss-abund foss, scatt pyritic

SH gy-black

LS cr-tan, vfn-fn xln, dns, foss

SH gy

LS cr-tan, vfn-fn xln, dns

LS cr-tan-pl gy, vfn-fn xln, dns, scatt subchalky patches

[V. Fnt Odor, Rr spotty Dk Stn, No show of FO in subchalky Ls]

SH gy-dk gy-pl grn-grn, subsilty in pt, subfiss in pt

SD glassy-tan, fn grn, well-sorted, subrounded, pr-gd friability, pr-fr inter-grnlr por in pt, clusters subround to sharp, some loose grns in spls, some shaly sd, some calc sd

[No odor, even dull four, dk brn-black spotty Stn with sli show DO & NVL Oil on brk]

LS wh-cr-tan, fn xln, dns, sdy in pt, ool in pt, cherty in pt: fresh, tan, subtranslucent

[No odor, No flour, Rr sm patches of black residual Stn]

LS wh-cr-tan, fn xln, dns and firm to softer and subchalky, scatt ool, scatt sdy

< 4579

Mud Check @ 4572' Drlg:

Vis	Wt	WL	LCM	PV	YP
56	9.45	10	1	17	17
Chl	Hd	pH			
2000	40	9.0			

< 4623

Short Trip @ 4703'. Pulled 25 stands, circ 60-min after short trip.

DST #1: 4707-4770 (Morrow)  
 Times: 30-30-15-Out  
 Initial Blow: V. Wk Surf, died 45 sec.  
 Final Blow: None  
 Rec.: 5' mud with few oil spots  
 IHP: 2368 FHP: 2288  
 IFP: 16-17 FFP: 19-24  
 ISIP: 27 FSIP: NA  
 BHT: 123

< 4730  
 < 4733

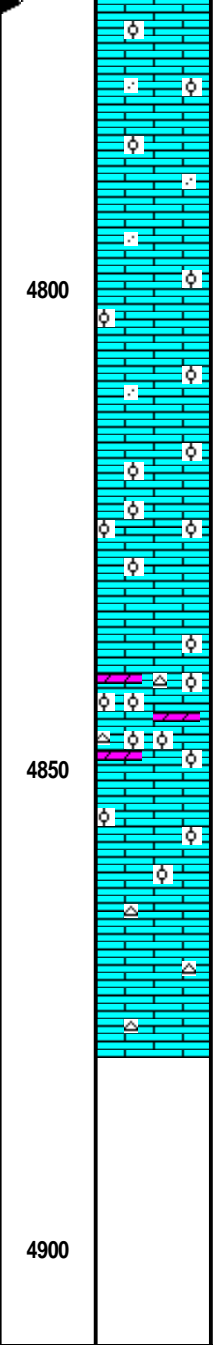
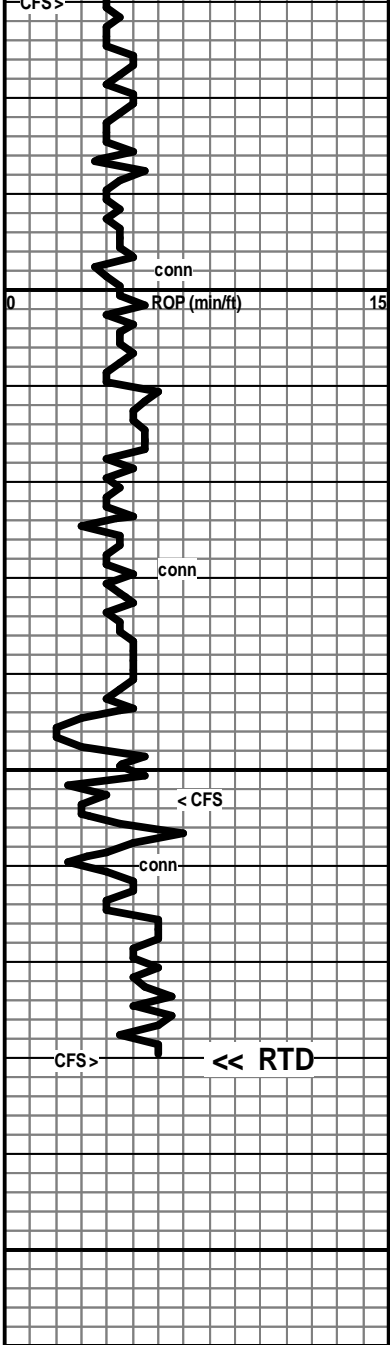
7:00 AM, August 16, 2011, Drlg @ 4740 ft

< 4749

\* Pipe Strap @ 4770': 4.09 ft short

Mud Check @ 4770', Trip Out of Hole:

Vis	Wt	WL	LCM	PV	YP
46	9.4	10.8	Tr	14	15
Chl	Hd	pH			
2500	20	9.5			



LS wh-cr-tan, fn xln, dns and firm to softer and subchalky, Rarely sandy, scatt oolitic

[No Show]

LS cr-tan, fn xln, dns, grny text in pt, ool in pt, brittle text in pt

4830" spl: Rr pcs of packed oolites, well-cem.

[No Show]

LS cr-tan, fn xln, dns, subchalky in pt, ool in pt

LS cr-tan, fn xln, dns, packed ool in pt (well-cem), pr vis inter-ool por, dolom & sucrosic in pt, fn xln, pr vis xln por, chert: fr to subgrainy test, wh-tan, foss, opa q to subtransl.

[No Show]

LS tan-brn, vfn xln, dns, smooth/vitreous text. some ool pcs

LS cr-tan, vfn-fn xln, dns, some subsucrosic text, foss in pt, cherty: Fresh, tan, transl.

[No Show]

7:00 AM, August 17, 2011, DFR @ 4778 ft. Swivel locked up. Delivered replacement swivel-it was locked up. Trip out of hole for additional repairs. DFR approximately 15 hours.

Mud check @ 4778': DFR

Vis	Wt	WL	LCM	PV	YP
45	9.4	9.6	2	14	15
Chl	Hd	pH			
2300	20	9.5			

< 4880 Ft RTD  
August 18, 2011, 1:45 AM

# ALLIED CEMENTING CO., LLC. 037338

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
*Great Bend, KS*

DATE <i>8-9-11</i>	SEC <i>25</i>	TWP <i>23s</i>	RANGE <i>3W</i>	CALLED OUT	ON LOCATION	JOB START <i>7:45 AM</i>	JOB FINISH <i>8:15 PM</i>
LEASE <i>Shelly</i>	WELL# <i>1</i>	LOCATION <i>156w + 23n Junction 5west</i>			COUNTY <i>Finney</i>	STATE <i>KS</i>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)		<i>2 south southwest into well Kalvesta</i>					

CONTRACTOR *W. J. Ford*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *234*

CASING SIZE *8 7/8* DEPTH *234*

TUBING SIZE DEPTH

DRILL PIPE *4 1/2* DEPTH *234*

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15 lb*

PERFS.

DISPLACEMENT *Freshwater*

OWNER *Hess Oil Co*

CEMENT

AMOUNT ORDERED *150 yd Class A*

*3% cc 7% gel*

COMMON	<i>150</i>	@	<i>16.50</i>	<i>2,475.00</i>
POZMIX		@		
GEL	<i>3</i>	@	<i>21.25</i>	<i>63.75</i>
CHLORIDE	<i>5</i>	@	<i>58.20</i>	<i>291.00</i>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>158</i>	@	<i>2.25</i>	<i>355.50</i>
MILEAGE	<i>158 x 50 x .11</i>			<i>869.00</i>
TOTAL				<i>4,054.25</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Greg R. / Bob R.*

# *346* HELPER *Trent H.*

BULK TRUCK DRIVER *Greg R.*

# *341*

BULK TRUCK DRIVER

#

REMARKS:

*Pipe on bottom - break circulation with rig mud.*

*W/ 150 yd 3% cc 7% gel*

*Shut down - release plug and displace w/ 13.95 bbls freshwater*

*Shut in*

*Cement did circulate*

SERVICE

DEPTH OF JOB	<i>234</i>		
PUMP TRUCK CHARGE			<i>1125.00</i>
EXTRA FOOTAGE		@	
MILEAGE <i>HUM</i>	<i>100</i>	@	<i>700.00</i>
MANIFOLD		@	
<i>HUM</i>	<i>100</i>	@	<i>400.00</i>
		@	

CHARGE TO: *Hess Oil Co.*

STREET \_\_\_\_\_

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

TOTAL *2,225.00*

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

# ALLIED CEMENTING CO., LLC. 037345

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Creat Analysis

DATE <u>8-18-11</u>	SEC. <u>25</u>	TWP. <u>23S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30pm</u>	JOB FINISH <u>6:30pm</u>
LEASE <u>Shelly</u>	WELL# <u>1</u>	LOCATION <u>well Xalvestages 156-23 n Junction Finney</u>			COUNTY <u>Finney</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>SW 25 SW into</u>				

CONTRACTOR Mallard Rig # 2 OWNER Hess Oil Co.

TYPE OF JOB plug CEMENT

HOLE SIZE 7 7/8 T.D. 4980 AMOUNT ORDERED 290 62 60/40 490 gel

CASING SIZE 8 5/8 DEPTH 227 1/4 fl

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH 2000

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. all

PERFS.

DISPLACEMENT Freshwater 62g mud

**EQUIPMENT**

PUMP TRUCK CEMENTER Bob O.

# 366 HELPER Doug K

BULK TRUCK

# 482-188 DRIVER Kevin W.

BULK TRUCK

# DRIVER

COMMON	<u>174</u>	@ <u>16.25</u>	<u>2,827.50</u>
POZMIX	<u>116</u>	@ <u>8.50</u>	<u>986.00</u>
GEL	<u>10</u>	@ <u>21.25</u>	<u>212.50</u>
CHLORIDE		@	
ASC		@	
<u>70. Spuds 710 Seal</u>		@ <u>2.70</u>	<u>189.00</u>
		@	
		@	
		@	
		@	
HANDLING	<u>302</u>	@ <u>2.25</u>	<u>679.50</u>
MILEAGE	<u>100 302 x 50 x .11</u>		<u>1,661.00</u>
			<b>TOTAL <u>6,555.50</u></b>

**REMARKS:**

- 1st plug at 2000ft mud 50sa
- 2nd plug at 1130ft mud 80sa
- 3rd plug at 500ft mud 40sa
- 4th plug at 260ft mud 50sa
- 5th plug at 60ft mud 20sa
- RT mud 30sa
- MH mud 20sa

**SERVICE**

DEPTH OF JOB	<u>2000</u>		
PUMP TRUCK CHARGE			<u>1250.00</u>
EXTRA FOOTAGE		@	
MILEAGE <u>HUM</u>	<u>100</u>	@ <u>7.00</u>	<u>700.00</u>
MANIFOLD		@	
<u>HUM</u>	<u>100</u>	@ <u>4.00</u>	<u>400.00</u>
		@	

CHARGE TO: Hess Oil Co.

STREET

CITY STATE ZIP

**TOTAL 2350.00**

**PLUG & FLOAT EQUIPMENT**

<u>wood plug</u>	@ <u>94.00</u>	<u>94.00</u>
	@	