

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

15-155-21538-0000

11/11/08

Operator: License # 31958
Name: Hesse Petroleum Company, LLC.
Address: 400 N Woodlawn, Ste #7
City/State/Zip: Wichita, KS. 67208
Purchaser: Sunoco
Operator Contact Person: Phil Hesse
Phone: (316) 685-4746
Contractor: Name: Pickrell Drlg. Co.
License: 5123
Wellsite Geologist: Robert Peterson

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, 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./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

7/16/08 7/30/08 8/19/08
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - _____
County: Reno
SE-SE Sec. 17 Twp. 24 S. R. 9 East West
400' feet from (S) / N (circle one) Line of Section
1070' feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Hinshaw Well #: 2-17

Field Name: _____
Producing Formation: Viola
Elevation: Ground: 1678' Kelly Bushing: 1683'
Total Depth: 4210' Plug Back Total Depth: 4147'
Amount of Surface Pipe Set and Cemented at 209' @ 216' 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 AHI NS17409
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume 1520 bbls
Dewatering method used Haul Off

Location of fluid disposal if hauled offsite:
Operator Name: C & C Tank Service
Lease Name: Roach License No.: 30708
Quarter _____ Sec. 14 Twp. 23 S. R. 9 East West
County: Reno Docket No.: 22208

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Phil Hesse

Title: Partner Date: 10/14/2008

Subscribed and sworn to before me this 11th day of November

2008

Notary Public: Arianna Gillett

Date Commission Expires: Dec 4, 2009

ARIANNA GILLETT
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 12/4/09

KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
UIC Distribution
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CONSERVATION DIVISION
WICHITA, KS

Side Two
11/12/08

Operator Name: Hesse Petroleum Company, LLC. Lease Name: Hinshaw Well #: 2-17
 Sec. 17 Twp. 24 S. R. 9 East West County: Reno

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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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOPEKA	2784	-1101
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	HEEBNER	3103	-1420'
List All E. Logs Run: <u>DIL, SONIC, PE, MICRO, CDL, BOND</u>		BROWN LIME	3281	-1598
		LANSING	3307	-1624
		B/KC	3651	-1968
		MISSISSIPPIAN	3763	-2080
		KINDERHOOK	3797	-2114
		VIOLA	3980	-2297
		ARBUCKLE	4159	-2476

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	23#	216	60/40 poz	220	2%gel 3%cc
Production	7 7/8"	5 1/2"	14#	4160	AA2 5#gil	300	10%salt

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				

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
4	3981-91	500 gal. MCA/15%	

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TUBING RECORD	Size 2 7/8"	Set At 4020'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 9-24-2008	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls. 32	Gas Mcf N/A	Water Bbls. 175	Gas-Oil Ratio 40°

Disposition of Gas: Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval: Other (Specify) _____

Customer: *Hesse Petroleum* Lease No. _____ Date: _____
 Lease: *Archie* Well #: *2* Date: *7-16-08*
 Field Order: *17991* Station: *Pratt* Casing: *8 5/8* Depth: *2116* County: *Pratt* State: *Ks.*
 Type Job: *CNW-S.P.* Formation: _____ Legal Description: *17-24-9*

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft.		Acid	RATE	PRESS	ISIP	
<i>8 5/8</i>				<i>220SK 60/10/02</i>				
Depth	Depth	From	To	Pre Pad	Max		5 Min.	
<i>219</i>				<i>1.25 f/13</i>			10 Min.	
Volume	Volume	From	To	Pad	Min		15 Min.	
<i>14</i>								
Max Press	Max Press	From	To	Frac	Avg		Annulus Pressure	
<i>500</i>								
Well Connection	Annulus Vol.	From	To		HHP Used			
<i>P.C.</i>								
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	
<i>209</i>				<i>13 Bbl.</i>				

Customer Representative: *MIKE KORN* Station Manager: *Scotty* Treater: *Robby*

Service Units	19866	19890	19921	19962				
Driver Names	<i>Dooke</i>	<i>Shelton</i>	<i>Shields</i>					

Time	Casing Pressure	Tubing Pressure	Bbls Pumped	Rate	Service Log
<i>2300</i>					<i>On location - Safety Meeting</i>
<i>2400</i>					<i>Run 5/15 23" 8 5/8 Csg.</i>
<i>2455</i>					<i>Csg. on Bottom</i>
<i>0100</i>					<i>Hook up to Csg. - Break Circ w/ Rig</i>
<i>0112</i>	<i>300</i>		<i>60</i>	<i>11.1</i>	<i>Min Cont. @ 144.7" depth</i>
<i>0124</i>					<i>Release Plug</i>
<i>0127</i>	<i>200</i>			<i>5/95</i>	<i>Start Disp.</i>
<i>0130</i>	<i>200</i>		<i>13</i>		<i>Plug down</i>
					<i>Circulation thru Job</i>
					<i>Circulated Cont. to AT</i>
					<i>Job Complete</i>
					<i>Thanks, Robby</i>

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energy services, L.P.

FIELD ORDER 17941

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Subject to Correction

Date	7-16-08	Customer ID		Lease	Hinsaw	Well #	2217	Legal	M-24-9
				County	Reno	State	Ks.	Station	Pratt
C H A R G E	Hesse Petroleum			Depth		Formation		Shoe Joint	15
				Casing	8 3/8	Casing Depth	216	TD	221
				Customer Representative	Mike Kern		Treater	Bobby Drake	
AFE Number		PO Number		Materials Received by	X Mike Kern				DL5

Station Code	Product Code	QUANTITY	MATERIALS, EQUIPMENT, and SERVICES USED	UNIT PRICE	AMOUNT
P	CP103	220sk.	60/40 Poz	—	2420.00
P	PC102	56lb.	Pello-Flake (Poteflake-C)	KCC	207.20
P	CC109	570lb.	Calcium Chloride	NOV ++ 2008	598.50
				CONFIDENTIAL	
P	CF153	1ea.	Wooden Cement Plug, 8 3/8"	—	160.00
P	CC131	100lb.	Sugar	—	200.00
P	E701	90mi.	Heavy Equipment Mileage	—	630.00
P	F113	4284mi.	Bulk Delivery	—	684.50
P	E100	45mi.	Pickup Mileage	—	151.25
P	CE240	220sk.	Blending + Mixing Service Charge	—	308.00
P	SC03	1ea.	Service Supervisor	—	175.00
P	CE200	1ea.	Depth, 0-500'	—	1000.00
P	CE304	1ea.	Plug Container	—	250.00
Discounted Price -					\$5459.80

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TREATMENT REPORT

Customer	Hesse Pet. Co.	Lease No.		Date	7-29-08
Lease	Hinshaw	Well #	2-2-17		
Field Order #	20300	Station	Liberal	Casing	3 1/2" 15'
				Depth	4161
				County	Reno
				State	Ks
Type Job	5 1/2 L.S.	Formation	CNW	Legal Description	17-24-9

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft				RATE	PRESS	ISIP
		3005k	AA2 Cement					
Depth	Depth	From 10'	To 5214'	Pre Pad	75% Gasblock	5#	Enbomite	5# Defloc
Volume	Volume	From 1.94	To 5/8	Post	6.23 gal	15#		10 Min.
Max Press	Max Press	From	To	Frac		Avg		15 Min.
Well Connection	Annulus Vol.	From 255k	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative	Hesse	Station Manager	J. Bennett	Treater	M. Cochran
Service Units	21755	27808	19553	14354	14284
Driver Names	Cochran	McCulley	Rodriguez		

Time	Casing Pressure	Tubing Pressure	Bbls Pumped	Rate	Service Log
20:45					on loc. / Held Safety Meeting
23:45					Start Casing
03:00					Casing on Bottom Lin. w/ Rig
03:50	2500				Plug Rat + w/ 15#
03:56	200		5	2	Test Pump + Lines
04:03	1200				Start Spacer Ahead (Fresh H ₂ O)
04:00	200		25	2	Set Packer Shoe
04:13	400		5	5	Start Super Flush II
04:14	400		73	5	Start Fresh H ₂ O
04:30					Start Cmt 2755k @ 15#
04:35					Shut down + Wash Pump + Lines
04:37	200		0	6	Drop L.D. Plug
04:53	1000		95	2.5	Start Disp. w/ fresh H ₂ O
04:55	1900		101	2.5	Slow Rate
04:56			101		Bump Plug
05:20					Release / Plug Held
					End Job
	1200				Pressure before Plug landed

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FIELD ORDER

20300

Subject to Correction

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11/13/08

Date	7-30-08	Customer ID		Lease	Hinshaw	Well #	22-17	Legal	17-24-9
CHARGE				County	Reno	State	Ks	Station	Liberal
				Depth	4161	Formation		Shoe Joint	22
				Casing	5 1/2" ID	Casing Depth	4161	TD	
				Customer Representative	Hesse	Treater	M. Cochran	Job Type	522 L.S. C/NW
AFE Number		PO Number		Materials Received by	X				

Station Code	Product Code	QUANTITY	MATERIALS, EQUIPMENT, and SERVICES USED	UNIT PRICE	AMOUNT
PrstH	CP105	300sk	AA2 Cement		
	CC165	711b	Defoamer		
	CC111	15571b	521H		
	CC115	2121b	GAS-blok		
	CC129	2261b	FIA-322		
	CC201	13001b	Gilsonite		
	CC155	1000.31	Super Flush II		
	G604	11b	Geo 3		
	CF107	1 ea	Latchdown Plug + Bottle		
	CF1001	1 ea	Packer shoe		
	CF1651	15 ea	Turbolizer		
PrstH	CF1901	2 ea	Basket		
Lib.	E101	90mi	Heavy Equipment Mileage		
	E113	635mi	Culr Delivery		
	E100	45mi	Pick-up Mileage		
	CE240	300sk	Blending + Mixing Chrg.		
	5003	1 ea	Service Supervisor		
	CE205	1 ea	Depth Chrg. 4001'-5000'		
	CE504	1 job	Plug Container		
	CE503	1 ea	Derrick Chrg.		
	CE403	2 ea	Additional Hrs		
Lib.	CE403	2 ea	Additional Hrs N/C		
Discounted Total					19910.36
Plus Tax					

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