Date Commission Expires:

KANSAS CORPORATION COMMISSION ORIGINAL OIL & GAS CONSERVATION DIVISION WELL COLLEGE

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5663	API No. 15 - 195-22598-00-00			
Name: Hess Oil Company	Spot Description: Approx			
Address 1: P. O. Box 1009	NE SW SE SE Sec. 32 Twp. 15 S. R. 22 East West			
Address 2:	405 Feet from North / South Line of Section			
City: McPherson State: KS Zip: 6746- + 1009	765 Feet from East / West Line of Section			
Contact Person: Bryan Hess	Footages Calculated from Nearest Outside Section Corner:			
	□ NE □ NW ☑ SE □ SW			
Phone: (620) 241-4640 RECEIVED CONTRACTOR: License # 4958 KANSASCORPORATION COMMISSION Name Mallard IV Inc.	County: Trego			
Name: Mallard JV, Inc. APR 1 4 2009	Lease Name: Linda Well #: 4			
Wellsite Geologist: James C. Hess	Field Name:			
ANICERIA IUNI DI III	Producing Formation:			
Putchaser. WICHITIA	Elevation: Ground: 2336' Kelly Bushing: 2341'			
Designate Type of Completion:	Total Depth: 4360' Plug Back Total Depth:			
New Well Re-EntryWorkover	Amount of Surface Pipe Set and Cemented at:			
Oil SVD SIOW				
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No			
CM (Coal Bed Methane) Temp. Abd.	If yes, show depth set: Fee			
✓ Dry Other (Core, WSW, Expl., Cathodic, etc.)	If Alternate II completion, cement circulated from:			
If Workover/Re-entry: Old Well Info as follows:	feet depth to:w/sx cmt			
Operator:	Drilling Fluid Management Plan PAAAH II NUL			
Well Name:	(Data must be collected from the Reserve Pit) 5-6-09			
Original Comp. Date: Original Total Depth:	Chloride content:ppm Fluid volume:bbls			
Deepening Re-perf Conv. to Enhr Conv. to SWD	Dewatering method used:			
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:			
Commingled Docket No.:				
Dual Completion	Operator Name:			
Other (SWD or Enhr.?) Docket No.:	Lease Name: License No.:			
2-4-2009 2-10-2009 2-11-2009	Quarter Sec. Twp. S. R. East Wes			
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	County: Docket No.:			
Kansas 67202, within 120 days of the spud date, recompletion, workover or of side two of this form will be held confidential for a period of 12 months if re	the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information equested in writing and submitted with the form (see rule 82-3-107 for confidencell report shall be attached with this form. ALL CEMENTING TICKETS MUST form with all temporarily abandoned wells.			
	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:	KCC Office Use ONLY			
Title: President Date: 4/13/2009	Letter of Confidentiality Received			
Subscribed and sworn to before me this 13th day of April	, If Denied, Yes			
20 <u>0 9</u>	Wireline Log Received			
// . I C. NUIAR	Y PUBLIC Geologist Report Received			
Notary Public: Carol A. Dickel STATE Carol A				

Side Two Operator Name: Hess Oil Company Lease Name: Linda Well #: _4 County: Trego __S. R. 22 ___ East 🗸 West 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. ✓ Yes □ No **Drill Stem Tests Taken** Log Formation (Top), Depth and Datum Sample (Attach Additional Sheets) Name Top Datum Samples Sent to Geological Survey Yes Cores Taken ☐ Yes Electric Log Run ✓ Yes (Submit Copy) List All E. Logs Run: Radiation Guard CASING RECORD ✓ New Used Report all strings set-conductor, surface, intermediate, production, etc. Size Hole Size Casing Purpose of String Weight Setting Type of Type and Percent # Sacks Drilled Set (In O.D.) Lbs. / Ft. Depth Cement Used Additives 12-1/4" Surface 8-5/8" 20# 225 165 common 2% gel, 3% cc ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type of Cement #Sacks Used Type and Percent Additives Top Bottom Perforate - Protect Casing _ Plug Back TD Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) 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** Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity Per 24 Hours

METHOD OF COMPLETION:

PRODUCTION INTERVAL:

DISPOSITION OF GAS:

P.O. BOX 1009 McPHERSON, KANSAS 67460-1009 (620) 241-4640

ACO-1 Completion Form Attachment

Linda #4

Approx. S2 SE SE 404' FSL, 765' FEL Section 32-15-22W Trego County, KS API# 15-195-22598-00-00

Elev. 2341' KB

•	•					
FORMATION	SAM	IPLE TOP	<u>DATUM</u>			
Anhydrite		1685'	(+656')	RECEIVED KANSAS CORPORATION COMMISSION		
Base Anydrite		1723'	(+618')	KANSASCORPUKATION		
Heebner		3696'	(-1355')	APR 14 2009		
Toronto		3715'	(-1374')	APR 14 2000		
Lansing		3734'	(-1393')	MATTONITIVISION		
Stark Shale		3951'	(-1610')	CONSERVATION DIVISION WICHTA, KS		
Base Kansas City		4000'	(-1659')°	AAICLING		
Marmaton		4032'	(-1691')			
Pawnee		4098'	(-1757')			
Fort Scott		4184'	(-1843')	·		
Cherokee Shale		4207'	(-1866')			
Cherokee Sand		4284'	(-1943')			
Conglomerate		4300'	(-1959')			
Mississippi		4349'	(-2008')			
LTD		4358'	(-2017')			
RTD		4360'	(-2019')			
DST #1	Danah	4206' - 42				
DS1 #1	<u>Depth</u> : Times:	30-30-0-0				
			olow - died in	1.4 m·in		
	Blows:			14 mm.		
	Danassanian	ISI – No return				
	Recoveries:	10' OCM (5% O, 95% M) IH 2118#, IF 22-27#, ISI 828#, FF, FSI, FH 2046#				
,	<u>Pressures</u> :	in 2116#,	IF 22-27#, 15	1 828#, FF, FSI, FH 2040#		
DST #2:	Depth:	4206' - 43	04'			
	Times:	45-45-45-	45			
	Blows:	IF – 1/4" I	blow built to 2'	' in 45 min.		
		ISI – No return				
•		FF - Surface blow built to 1" in 45 min.				
		FSI – No	return			
•	Recoveries:	62' OCM	(5% O, 95% M	()		
		5' Free Oi	l			
	Pressures:	IH 2128#,	IF 26-37#, IS	1782#, FF 41-47#, FSI 847#, FH 2088#		
DST #3:	Depth:	4302' - 43				
	Times:	45-45-45-				
	Blows:		olow built to 1	4" in 45 min		
	<u> </u>	ISI – no re		, at 13 mm.		
				o½" in 45 min.		
		i i — Suite	acc blow built i	10/2 HI TJ IIIIII.		

FSI – no return

Recoveries:

Pressures:

63' MCW (80% water, 20% mud)

IH 2106#, IF 19-31#, ISI 1167# FF 33-44#, FSI 1102#, FH 2112#

ALLIED CEMENTING CO., LLC. 33523

REMIT TO P.O. BOX 31 SERVICE POINT: **RUSSELL, KANSAS 67665** Dess City KS TWP. JOB FINISH
9.'00PM RANGE CALLED OUT ON LOCATION JOB START 8.30 pm COUNTY Treso DATE 2-04-09 155 224 5)30 Pm 81000m STATE LOCATION Browned Wto Ynd 41 WELL# LEASE Linda OLD OR NEW (Circle one) OWNER HUSS Oil CO. CONTRACTOR Mallard TYPE OF JOB Surface T.D. 225 HOLE SIZE 12 14 **CEMENT** AMOUNT ORDERED 160 Sx Common 390CC CASING SIZE & DEPTH 225 TUBING SIZE **DEPTH** 2%601 **DRILL PIPE DEPTH** TOOL **DEPTH** PRES. MAX **MINIMUM** COMMON 1605X @ 13.65 2.184.00 MEAS. LINE SHOE JOINT 70 **POZMIX** CEMENT LEFT IN CSG. 20 **GEL** @ 20.40 61.20 PERFS. CHLORIDE 6 @ 57.15 342.90 DISPLACEMENT Fresh weter 13.05 bbl **EOUIPMENT** RECEIVED CEMENTER Kandy Pray PUMP TRUCK KANSASCORPORATIONCOMMISSION # 181 HELPER JOE **BULK TRUCK** APR 14 2009 #344-170 DRIVER Tack CONSERVATIONDIVISION **BULK TRUCK** @ WICHITA KS **DRIVER** @ 2.25 380.25 HANDLING 169 MILEAGE 35/169/10 591.50 **REMARKS:** TOTAL 3.559.85 Pipe on bostom broke Circulation with Rig **SERVICE** Funged SABL IN ancad Mixed Concept DEPTH OF JOB スス5 Shut down Released plug PUMP TRUCK CHARGE Displaced with Pa **EXTRA FOOTAGE** @ Shut down shut in MILEAGE _ 2.35 @ 700 245.00 Released - Coment Circulated MANIFOLD _____ Rig down Head Rent @ 111.00 111.00 CHARGE TO: HCSS ON CO. TOTAL 7355.001 STREET. _____ STATE ______ ZIP__ PLUG & FLOAT EQUIPMENT Thank 1 8 58 wooder Play @ 67.00 67.00 To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment

ALLIED CEMENTING CO., LLC. 33348

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

SERVICE POINT:

Ness city KS

							
DATE 2-11-09	SEC. 32	TWP.	RANGE 22	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
DATE A 11-67	32	1 13	2,2	7.30	1030	12.30 PM	STATE
LEASE Linda	WELL#	4	LOCATION B.	wwell us =	2 west	7.688	ไม้เรี
OLD OR NEW (Cir	rcle one)	*	4 No-th	North Into			
CONTRACTOR Y	Mailare	À		OWNER H	e55 011		
TYPE OF JOB	1	latary	Plus				
HOLE SIZE フス	<u> </u>	T.D.	N360	_ CEMENT			
CASING SIZE		DEP	TH	_ AMOUNT OR	DERED 220	5 x 60/4	10 4% 601
TUBING SIZE		DEP	TH				
DRILL PIPE 当为	<u> </u>	DEP	TH 1763				
TOOL		DEP	TH				
PRES. MAX		MIN	<u>IMUM</u>	_ COMMON	132	<u>@13.65</u>	1801.80
MEAS. LINE		SHC	DE JOINT	POZMIX	88 	_@ <u>7,60</u>	668.80
CEMENT LEFT IN	CSG.			_ GEL	9		183.40
PERFS.				_ CHLORIDE _		@	
DISPLACEMENT	10 1	bbls c	1:50 lacement	ASC		_ @	
•	EQU	IPMENT				_ @	
					CEIVED	@	
PUMP TRUCK (EMENTE	ER wa	YNE Davis	KANSASCORS	ORATION COMMISSION	<u>`</u> @	
		Alvina				@	
BULK TRUCK	LOCA DIC	1410.0	W Gallenin	APF	1 4 2009	_ @	
1	ORIVER	724F.	ن	ACME	RVATION DIVISION	_ @	
BULK TRUCK		10 CTP			VICHITA: KS	_ @	
	ORIVER		•			_ @	
		**************************************		- HANDLING_		_@ <u>225_</u>	515.25
	Th File	TO TTG		MILEAGE 3	4/229/.10		778.60
5 }. .		IARKS:				TOTAL	3.948.0
			5x 60/40 46/8				
			s at fresh		SERVI	CE	
		lis mu				·	
			1% Displace		B 1703		
			ter 3va Plus	_ PUMP TRUCK	CHARGE	1.	975.00
275 th mi	x 40 5 x	60/40	4% Gel	EXTRA FOOT	AGE	@	
Displace u				MILEAGE 3	4	@ 700	238,00
			Dis Place , so 1	MANIFOLD _		_@	
KH Mix 3057						_@	
60140 4%	wash -	ad Ri	Dome	,	•		
CHARGE TO: HE	<u> </u>	201					
STREET						TOTAL	22/3.00
CITY	STA	TE	7TP			i	
CITYSTATEZIP			F	PLUG & FLOAT EQUIPMENT			
							
·	•					_@	
				**		_@	
To Allied Cementing Co., LLC.					· . · · · · · · · · · · · · · · · · · ·	_@	
You are hereby requested to rent cementing equipment				·		_@	