

20-31s-32w TIGHT

FORM MUST BE TYPED

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACD-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5952Name: Amoco Production CompanyAddress PO Box 800 Room 924City/State/Zip Denver, CO 80201Purchaser: TexacoOperator Contact Person: Susan R. PottsPhone (303) 830-5323Contractor: Name: Cheyenne DrillingLicense: 5382Wellsite Geologist: Austin Garner

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☒ Oil ☐ SMD ☐ SIOW ☐ Temp. Abd.☐ Gas ☐ ENHR ☐ SIGW☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SMD☐ Plug Back ☐ PBDT☐ Commingled ☐ Docket No. _____☐ Dual Completion ☐ Docket No. _____☐ Other (SMD or Inj?) ☐ Docket No. _____9/26/95 10/12/95 12/12/95
Spud Date Date Reached TD Completion DateAPI NO. 15- 175-21496-0000County Seward- C - SE - SE Sec. 20 Twp. 31S Rge. 32 X W660 Feet from S/W (circle one) Line of Section660 Feet from E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name Tessa Katrine Well # 1-20Field Name Thirty-OneProducing Formation AtokaElevation: Ground 2857.08' KB 2868'Total Depth 6060' PBDT 6017.51'Amount of Surface Pipe Set and Cemented at 1493 FeetMultiple Stage Cementing Collar Used? ☒ Yes ☐ NoIf yes, show depth set 2950 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ACT II 4-17-96 DPW
(Data must be collected from the Reserve Pit)Chloride content 21,000 ppm Fluid volume 4500 bblsDewatering method used Dried and Filled

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

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 on 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 Susan R. PottsTitle Senior Staff Assistant Date 2-13-96Subscribed and sworn to before me this 16th day of February 19 96Notary Public [Signature]Date Commission Expires January 4, 1997

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/>
<input checked="" type="checkbox"/>	KGS	<input type="checkbox"/>
<input type="checkbox"/>	SMD/Rep	<input type="checkbox"/>
<input type="checkbox"/>	Plug	<input type="checkbox"/>
<input type="checkbox"/>	NGPA	<input type="checkbox"/>
<input type="checkbox"/>	Other	(Specify)

1070 BROADWAY
DENVER, CO 80201

KANSAS CORPORATION COMMISSION Form ACD-1 (7-91)

FEB 15 1996

CONSERVATION DIVISION
WICHITA, KS

Operator Name Amoco Production Company Lease Name Tessa Katrine Well # 1-20
Sec. 20 Twp. 31S Rge. 32 ☐ East ☒ West
County Seward

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests given 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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
(Submit Copy.)

List All E.Logs Run: High Resolution Induction, Microlog,
Spectral Density Dual Spaced Neutron II with EVR

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

Name	Top	Datum
Ogallala Base	1269'	KB
Stone Corral Base	1809'	
Chase Top	2544'	
Council Grove	2944'	
Pennsylvanian	3442'	
Base Heebner	4213'	
Lansing	4316'	
Marmaton	4924'	
Cherokee	5104'	
Morrow	5427'	
Chester	5592'	
St. Genevieve	5723'	
St. Louis	5747'	

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"	28	1493'	Premium Plus Light	500	2%CC+1/4#Flocele
Production-1st Stage	7.875"	5.5"	14	6060'	Premium Plus-	150	2%CC+1/4#Flocele
					Premium	400	1%CC, 7%Ea2, .6% Halad322, 15% salt, 1/4#sk D-Air
Production-2nd stage	7.875"	5.5"	14	2950'	Premium Plus Light	450	1/4#sk Flocele

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input checked="" type="checkbox"/> Protect Casing	4900-4950'	Premium	25	None
<input type="checkbox"/> Plug Back TD	4818-4819'	Premium	100	50 sxs.w .6% Halad-322
<input checked="" type="checkbox"/> Plug Off Zone	4900-4904'	Premium	50-squeeze off perfs. 50 SXS. w .6% Halad-322	

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	5376-5380'; 4900-4904';	Acidize w/19 bbls. 20% FE HCL 5376-5380'
		Acidize w/10 bbls. 15% FE HCL(Did this twice in the same depth different days) 4900-4904'

TUBING RECORD	Size 2.375" 4.7# J-55 EUE T&C	Set At 5454'	Packer At 5454'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SMD or Inj. First Oil	12/16/95	Producing Method	<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil 7 BOPD	Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled 5376-5380'
(If vented, submit ACO-18.) ☐ Other (Specify) _____

20-31S-32W

ORIGINAL

DRILLERS LOG

AMOCO PRODUCTION COMPANY
TESSA KATRINE 1-20
SECTION 20-T31S-R32W
SEWARD COUNTY, KANSAS

COMMENCED: 09-26-95
COMPLETED: 10-12-95

SURFACE CASING: 1500' OF 8 5/8" CMTD
W/500 SKS PREMIUM PLUS LITE + 2% CC + 1/4
#/SK FLOCELE. TAILED IN W/ 150 SKS
CLASS C + 2% CC + 1/4 #/SK FLOCELE.

FORMATION

DEPTH

SURFACE HOLE	0 - 1500
RED BED	1500 - 2410
RED BED, SHALE & LIMESTONE	2410 - 2721
RED BED	2721 - 2991
LIMESTONE & SHALE	2991 - 6060 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

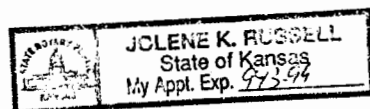
Wray Valentine

WRAY VALENTINE

STATE OF KANSAS : ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 16TH DAY OF OCTOBER, 1995

JOLENE K. RUSSELL



Jolene K. Russell
NOTARY PUBLIC

RECEIVED
KANSAS CO-OPERATIVE COMMISSION

FEB 16 1996

Notary Public, State of Kansas
J. K. Russell