

CONFIDENTIAL

SIDE ONE

TIGHT

COPY

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

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

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:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD☐ Plug Back ☐ PBTB☐ Commingled ☐ Docket No. _____☐ Dual Completion ☐ Docket No. _____☐ Other (SWD or Inj?) ☐ Docket No. _____1/19/96 1/31/96 2/9/96
Spud Date Date Reached TD Completion DateAPI NO. 15- 187-20812-0000County Stanton - NW - SE - SE Sec. 25 Twp. 29S Rge. 40 X E900 Feet from (S) N (circle one) Line of Section1300 Feet from (E) W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)Lease Name Ryan Patrick Well # 1-25Field Name Little ArrowProducing Formation St. LouisElevation: Ground 3229.62' KB 3241'Total Depth 5750' 5765' per logs PBTB 5644'Amount of Surface Pipe Set and Cemented at 1572 FeetMultiple Stage Cementing Collar Used? X Yes NoIf yes, show depth set 2764 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 DPW
(Data must be collected from the Reserve Pit) 5-22-89Chloride content 1100 ppm Fluid volume 2400 bblsDewatering method used Dried and filled

Location of fluid disposal if hauled offsite: _____

Operator Name RELEASED KCCLease Name SEP 16 1998 License No. 4 Quarter Sec. Twp. S Rge. County FROM CONFIDENTIAL Docket No. CON

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. Rules 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 Juan R. PottsTitle Senior Staff Assistant Date 5/14/96Subscribed and sworn to before me this 14th day of May, 1996.Notary Public [Signature]Date Commission Expires January 4, 1997

1070 BROADWAY
DENVER, CO 80201

K.C.C. OFFICE USE ONLY
F ☒ Letter of Confidentiality Attached
C ☒ Wireline Log Received
C ☐ Geologist Report Received

Distribution
☒ KCC ☐ SWD/Rep ☐ NGPA
☐ KGS ☐ Plug ☒ Other (Specify) IS

Form ACO-1 (7-91)

MAY 15 1996

CONSERVATION DIVISION
MAY 15 1996

SIDE TWO

Operator Name Amoco Production Company Lease Name Ryan Patrick Well # 1-25Sec. 25 Twp. 29S Rge. 40
☐ East
☒ WestCounty Stanton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 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 ☐ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No
(Submit Copy.)

List All E.Logs Run: Long Spaced Sonic, Microlog, Dual Induction Laterolog, Spectral Density Dual Spaced Neutron II Log EVR

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

Name	Top	Datum
Stone Corral	1686'	KB
Chase	2266'	
Council Grove	2550'	
Base Heebner	3716'	
Lansing	3782'	
Marmaton	4387'	
Cherokee	4566'	
Morrow	5116'	
Chester	5485'	
Ste. Genevieve	5512'	
St. Louis	5614'	

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	1572'	Premium Plus Lite	465	2%CC+1/4#Flocele
Production-1st Stage	7.875"	4.5"	10.5	5000-5684'	Premium Plus	150	2%CC+1/4#Flocele
					Premium	185	1%CC, 7%EA-2, .6% Halad-322, 15%Salt, 1/4# D-Air
Production-2nd Stage	7.875"	4.5"	10.5	1675-2764'	Premium Plus Lite	450	1/4# Flocele

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	5616-5622'	N/A	

TUBING RECORD	Size 2.375" 4.7# J-55 EUE T&C	Set At 5578'	Packer At 5578'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. First Gas-3/20/96, First Oil- 4/15/96	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 8 BOPD Bbls.	Gas 1.2 MMSCFD 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 5616-5622'
(If vented, submit ACO-18.) ☐ Other (Specify) _____

ORIGINAL

AMOCO PRODUCTION COMPANY
RYAN PATRICK 1-25
SECTION 25-T29S-R40W
STANTON COUNTY, KANSAS

CONFIDENTIAL

15-187-20312

COMMENCED: 01-19-96
COMPLETED: 01-30-96

SURFACE CASING: 1573' OF 8 5/8" CMTD
W/420 SKS PREMIUM PLUS LITE + 2% CC + 1/4
#/SK FLOCELE. TAILED IN W/150 SKS
CLASS C + 2% CC + 1/4 #/SK FLOCELE.

KCC

MAY 14

FORMATION

CONFIDENTIAL

DEPTH

SURFACE HOLE
RED BED & SANDSTONE
STONE CORRAL
RED BED
CHASE AND COUNCIL GROVE
COUNCIL GROVE
PENNSYLVANIAN
PENNSYLVANIAN & HEBNER
HEBNER
LANSING
LANSING & MARMATON
CHEROKEE
CHEROKEE & MORROW
MORROW
MORROW, CHESTER & ST. GENIVIEVE
ST. LOUIS

0 - 1573
1573 - 1618
1618 - 1818
1818 - 2200
2200 - 2505
2505 - 2958
2958 - 3525
3525 - 3750
3750 - 4020
4020 - 4371
4371 - 4548
4548 - 5075
5075 - 5290
5290 - 5480
5480 - 5587
5587 - 5765 RTD

RELEASED

SEP 16 1998

FROM CONFIDENTIAL

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 7TH DAY OF FEBRUARY, 1996

JOLENE K. RUSSELL



Jolene K. Russell
NOTARY PUBLIC

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 15 1996

CONSERVATION DIVISION
ATLANTA, GA.