

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

Operator: License # 4549

Name: Anadarko Petroleum Corporation

Address P. O. Box 351

City/State/Zip Liberal, KS 67905-0351

Purchaser: Texaco Trading & Transportation Co.

Operator Contact Person: J. L. Ashton

Phone (316) 624-6253

Contractor: Name: Gabbert-Jones, Inc.

License: 5842

Wellsite Geologist: _____

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.

☐ Gas ☐ ENHR ☐ SIGW

☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: RELEASED KCC

Well Name: MAY 2 4 1995 MAR 1 1

Comp. Date 11-3-93 Old Total Depth 11-14-93

FROM CONFIDENTIAL CONFIDENTIAL
Re-perf. ☐ Conv. to Inj/SWD

Plug Back ☐ PBD

Commingle ☐ Docket No. _____

Dual Completion ☐ Docket No. _____

Other (SWD or Inj?) ☐ Docket No. _____

Spud Date 11-3-93 Date Reached TD 11-14-93 Completion Date 3-1-94

API NO. 15- 189-21590

County Stevens 13-31-35W

- C - SE - NW Sec. 13 Twp. 31S Rge. 35 XX W

1980 Feet from SW (circle one) Line of Section

1980 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Hanke "A" Well # 4

Field Name Lahey

Producing Formation Morrow

Elevation: Ground 2915.7 KB NA

Total Depth 5650 PBTD 5595

Amount of Surface Pipe Set and Cemented at 1738 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 ALT 1 JH 6-16-94
(Data must be collected from the Reserve Pit)

Chloride content 1100 ppm Fluid volume 5000 bbls

Dewatering method used Natural Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____

Quarter 1 Sec. 13 Twp. 31S S Rng. 35 E/W

County Stevens MAR 1 1994

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 Beverly J. Williams

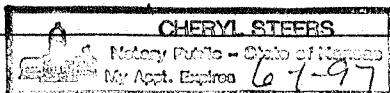
Title Technical Assistant Date 3-1-94

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

1994

Notary Public Cheryl Steers

Date Commission Expires _____



K.C.C. OFFICE USE ONLY	
F	☒ Letter of Confidentiality Attached
C	☒ Wireline Log Received
C	☐ Geologist Report Received
Distribution	
☒ KCC	☐ SWD/Rep
☒ KGS	☐ Plug
	☒ NGPA
	☐ Other (Specify)

Operator Name Anadarko Petroleum CorporationLease Name Hanke "A"Well # 4Sec. 13 Twp. 8 S Rge. 35☐ East
☒ WestCounty Stevens

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests (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
(Attach Additional Sheets.)☒ Yes ☐ No

Samples Sent to Geological Survey

☒ Yes ☐ No

Cores Taken

☒ Yes ☐ NoElectric Log Run
(Submit Copy.)☒ Yes ☐ No☒ Log Formation (Top), Depth and Datums ☐ Sample

Name

Top

Datum

See Attachment

List All E.Logs Run: SONIC BONDBOREHOLECOMPENSATEDSONICCOMPENSATED DENSITYCYBERLOOKMICRODUAL INDUCTION

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 1/4	8 5/8	24#	1738	Pozmix & Common	825	4% gel 2% cc 3% cc
Production	7 7/8	5 1/2	15.5#	5622	Pozmix	385	6% gel 0.7% fric red. 1#/sx model
		DV Tool		1118	Pozmix	185	5#/sx gel & 10% salt 1#/sx floccle 5#/s

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 (Amount and Kind of Material Used)	Depth
4	5322-62	A/3000 gals 15% fe acid & 190 BS.	5322-62
TUBING RECORD			
Size	Set At	Packer At	Liner Run ☐ Yes ☒ No
2 3/8	5409	-	
Date of First, Resumed Production, SWD or Inj.		Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)	
2-18-94			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Grav
	180	54	2 300 42.2° @ 60° API

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

5322-62

13-31-35W

COPY
HANKE A-4
SE NW 13-31S-35W
Lahey Field
Stevens County, Kansas
Elev.: 2915 (GL)

API#15-189-21590

<u>FORMATION</u>	<u>MEASURED DEPTH</u>	<u>SUBSEA</u>
B/ Stone Corral	1743	+1172
Chase Group	2532	+383
Odell Shale	2602	+313
Winfield	2614	+301
Council Grove	2838	+77
Wabaunsee	3213	-297
B/ Heebner	4017	-1101
Toronto	4034	-1118
Lansing	4130	-1214
Kansas City "A"	4599	-1683
Marmaton	4790	-1874
Cherokee	4964	-2048
Morrow Formation	5291	-2375
Morrow Sand	5323	-2407
B/ Pennsylvania	5421	-2505
L/ Chester	5481	-2565
Ste. Genevieve	5587	-2671
DTD	5650	-2734
LTD	5658	-2742

KCC
MAR 11
CONFIDENTIAL

Correlation Source: *"Type Logs of Kansas, 1966,"* Vol. I; Catalog No. 1-31-35W

RELEASED
MAY 24 1995
FROM CONFIDENTIAL

ORIGINAL

DEAN'S TESTERS INC.

15-31-350
P. O. BOX 1182
LIBERAL, Ks. 67801

Formation Kansas City "B" Type Test Conventional Date November 10, 1993
Anchor Length and Size 40' X 4 1/2" OD-Perf. Total Depth 4670'
Packer Depths 4625' & 4630' Below Straddle _____ Choke Size Bottom 5/8" Surface 1/4"
Equipment Run 2 Packers, Jars, Sample Chamber, Safety joint, Circ. sub.

Lengths: Tool 73' D. P. 3990' ID 3.8" Wt. P. _____ ID _____ D. C. 619' ID 2.25"
Mud Type Chemical Vls. 44 Wt. 9.0 Wtr. Loss 9.6 Cl. 800 ppm

Recorders: Depth 4662' Make Kuster Cap. 6500 Ser. No. 10269 Inside
Depth 4668' Make Kuster Cap. 6800 Ser. No. 10217 Outside
Depth _____ Make _____ Cap. _____ Ser. No. _____ Below Straddle

Pressures:

Tool on Bottom @ 6:30 A.M. Initial Hydrostatic 2192 psi
Initial Flow 30 Min. IFP 80 psi to 116 psi
Initial Shut-In 59 Min. ISIP 1090 psi
Final Flow 61 Min. FFP 145 psi to 206 psi
Final Shut-In 120 Min. FSIP 1128 psi
Tool off Bottom @ 11:00 A.M. Final Hydrostatic 2180 psi Temp. 123°F.

KCC
MAR 11
CONFIDENTIAL

Flow: Strong on I.F.P., Fair increasing to strong on F.F.P.

Gas to surface in 54 min. into F.F.P. Too small to measure.

Recovery: 400' Total Fluid.
130' Mud Cut Oil
90' Mud & Oil Cut Water.
180' Oil Cut Salt Water.

RELEASED

MAY 24 1995

FROM CONFIDENTIAL

Gas Flow: Too small to measure.

Sampler Data:

Pressure 195 PSI
Gas Volume 0.07 cu. ft.
Total Fluid 1800 cc
Oil 200 cc
API Gravity _____ @ _____ °F
Mud 400 cc
Water 1200 cc
Cl. 70,000 PPM
RW .04 @ 123 °F

Remarks:

Tester Butch Young Witnessed by: John Shilling

SEC. 13
TWP. 31S
RGE. 35W
COUNTY Stevens
STATE Kansas
TICKET NO. 3589
Anadarko Petroleum Corporation
OPERATOR
Hanke "A" #4
WELL NAME & NO. APT #15-189-21540
TEST INTERVAL 4630' - 4670'

WCC 10-1-1