

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

ator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ANADARKO ENERGY SERVICES

Operator Contact Person: DAVID W. KAPPA

Phone (316) 624-6253

Contractor: Name: CHEYENNE DRILLING

License: 5382

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:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD

☐ Plug Back ☐ PBSD

☐ Commingled ☐ Docket No. _____

☐ Dual Completion ☐ Docket No. _____

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

9-14-98 9-25-98 11-18-98

Spud Date Date Reached TD Completion Date

API NO. 15- 175-21747

County SEWARD

120' S OF _____ E

C - W/2 - SW - NE Sec. 2 Twp. 34 Rge. 34 X W

2100 Feet from (N) X (circle one) Line of Section

2310 Feet from (E) X (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(NE) SE, NW or SW (circle one)

Lease Name KEATING-STEPHENS "A" Well # 5

Field Name ADAMSON

Producing Formation MORROW

Elevation: Ground 2898.3 KB _____

Total Depth 6580 PBSD 6035

Amount of Surface Pipe Set and Cemented at 1658 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 AH-12-30-98 UC
(Data must be collected from the Reserve Pit)

Chloride content 6000 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

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 L. Marc Harvey

L. MARC HARVEY

Title DRILLING TECHNICAL ASSISTANT Date 12-18-98

Subscribed and sworn to before me this 18th day of December 19 98.

Notary Public Freda K. Hines

Commission Expires _____

K.C.C. OFFICE USE ONLY

F ☐ Letter of Confidentiality Attached

C ☒ Wireline Log Received

C ☐ Geologist Report Received

☒ KCC
☐ KGS

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

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATIONLease Name KEATING-STEPHENS "A"

Well # _____

Sec. 2 Twp. 34 Rge. 34☐ EastCounty SEWARD☒ West

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: CBL-CCL-GR, DIL, CNL-LDT, LS SONIC,
ML.☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
CHASE	2612	
COUNCIL GROVE	2971	
HEEBNER	4259	
TORONTO	4292	
LANSING	4413	
MARMATON	5082	
CHEROKEE	5409	
MORROW	5731	
CHESTER	6007	
STE. GENEVIEVE	ERODED	
ST. LOUIS	6477	

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"	23.0	1658	P+ MIDCON 2/ PREM PLUS	320/100	3%CC, 1/4%SK FLC/ 2%CC, 1/4%SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6580	50/50 POZ/ 50/50 POZ	25/135	.75% HALAD 322, 10% SALT, 1/4%SK FLC/SAME.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
____ Perforate				
____ Protect Casing	6412-6426	CLASS H PREM	50	0.5% HALAD 9.
____ Plug Back TD				
<u>X</u> 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
2	6412-6426, SQUEEZED.	ACID: 700 GAL 7% HCL.	6412-6426
2	6363-6372, 6377-6388, CIBP @ 6115.	ACID: 1000 GAL 7% HCL.	6363-6388 (OA)
2	6041-6051, CIBP @ 6035.	ACID: 1000 GAL 15% HCL.	6041-6051
3	5990-6004	ACID: 700 GAL 7% HCL. FRAC: 36000 GAL FMD GEL & 72600# 16/30 SD.	5990-6004 5990-6004
TUBING RECORD	Size Set At Packer At	Liner Run	☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj.
12/17/98

Producing Method

☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)Estimated Production
Per 24 Hours

Oil Bbls.

Gas Mcf
2100Water Bbls.
0

Gas-Oil Ratio

Gravity

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) _____

5990-6004