

FORM MUST BE TYPED

SIDE ONE

COPY

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

Operator: License # 4549Name: ANADARKO PETROLEUM CORPORATIONAddress P. O. BOX 351City/State/Zip LIBERAL, KANSAS 67905-0351Purchaser: ANADARKO TRADING COMPANYOperator Contact Person: DAVID W. KAPPLEPhone (316) 624-6253Contractor: Name: CHEYENNE DRILLINGLicense: 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 ☐ PBTD
☐ Commingled ☐ Docket No. _____
☐ Dual Completion ☐ Docket No. _____
☐ Other (SWD or Inj?) ☐ Docket No. _____

12-30-96 1-2-97 1-31-97
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21475County MORTONSW - SW - NE - NE Sec. 2 Twp. 35 Rge. 40 X E W1250 Feet from NDX (circle one) Line of Section1250 Feet from EX (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
(NE, SE, NW or SW (circle one))Lease Name HAAR "A" Well # 2HField Name HUGOTONProducing Formation CHASEElevation: Ground 3350 KB _____Total Depth 2850 PBTD 2807Amount of Surface Pipe Set and Cemented at 550 FeetMultiple 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 2 8-22-97
(Data must be collected from the Reserve Pit)Chloride content NA ppm Fluid volume 400 bblsDewatering 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 4-14-97Subscribed and sworn to before me this 14th day of April 19 97.Tary Public Freda L. Hinz

Date Commission Expires _____

FREDA L. HINZ
Notary Public - State of Kansas
My Appl. Expires 5-15-99

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

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name HAAR "A" Well # 2HSec. 2 Twp. 35 Rge. 40 ☐ East County MORTON
☒ 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-GR

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

Name	Top	Datum
GLORIETTA	1263-1446	
B/STONE CORRAL	1728	
HERRINGTON	2550	
KRIDER	2562	
WINFIELD	2628	
TOWANDA	2708	

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	550	P+ MIDCON 2/ P+	100/100	2%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	2850	P+ MIDCON 2/ P+ MIDCON 2.	170/110	2%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.

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
2	2562-76, 2590-2620, 2628-80, 2708-22.	ACID: 3000 GAL 7 1/2% FeHCL.	2562-2722 (OA)
		FRAC: 11600 GAL FOAMED GEL & 84000#	2562-2680 (OA)
		12/20 SD.	
TUBING RECORD	Size Set At Packer At	Liner Run ☐ Yes ☒ No	
Date of First, Resumed Production, SWD or Inj. 2-14-97	Producing Method ☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity		
		763 0	

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) _____

2562-2722 (OA)