

CONFIDENTIAL

SIDE ONE

29-28-32W

ORIGINAL

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: NORTHERN NATURALOperator Contact Person: J. L. ASHTONPhone (316) 624-6253Contractor: Name: GABBERT-JONESLicense: 5842Wellsite Geologist: NA

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 STATE

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD  
☐ Plug Back ☐ PBDT  
☐ Commingled ☐ Docket No. MAR 1 4 1996  
☐ Dual Completion ☐ Docket No.   
☐ Other (SWD or Inj?) ☐ Docket No.

11-25-94 11-29-94 2-19-95  
Spud Date Date Reached TD Completion Date

API NO. 15- 081-20879

County HASKELLNW  - NW  - SE  - SE  Sec. 29 Twp. 28S Rge. 32 X E W1250 Feet from S/X (circle one) Line of Section1250 Feet from E/X (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:  
NE, SE NW or SW (circle one)Lease Name MAXFIELD "A" Well # 2HField Name HUGOTONProducing Formation CHASEElevation: Ground 2927.5 KB 2935.5Total Depth 3003 PBDT 2927Amount of Surface Pipe Set and Cemented at 792 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ NoIf yes, show depth set  FeetIf Alternate II completion, cement circulated from feet depth to  w/  sx cmt.Drilling Fluid Management Plan ALT 1 JH 12-29-95  
(Data must be collected from the Reserve Pit)Chloride content 109560 ppm Fluid volume 700 bblsDewatering method used NATURAL EVAPORATIONLocation of fluid disposal if hauled offsite: Operator Name Lease Name  License No. Quarter  Sec.  Twp.  S Rng.  E/WCounty  **CONFIDENTIAL**

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 HarveyTitle DRILLING TECHNICIAN Date 2/23/95Subscribed and sworn to before me this 23rd day of February, 19 95.Notary Public Cheryl SteersDate Commission Expires 

**CHERYL STEERS**  
Notary Public - State of Kansas  
My Appt. Expires 6-1-97

## K.C.C. OFFICE USE ONLY

F ☒ Letter of Confidentiality Attached  
C ☒ Wireline Log Received  
C ☐ Geologist Report Received

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

WSE-85-PS

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name MAXFIELD "A" Well # 2HSec. 29 Twp. 28S Rge. 32  
☐ East  
☒ WestCounty HASKELL

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  
CNL/DISFL/SONIC/LDT☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
B/STONE CORRAL	1874	+1053.5
HERRINGTON	2639	+ 288.5
KRIDER	2660	+ 267.5
WINFIELD	2708	+ 219.5
TOWANDA	2748	+ 179.5
COUNCIL GROVE	2953	- 29.5
T.D.	3003	- 75.5

## 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	792	75/25 POZ/ COMMON	450/150	2%CC 1/4#/SX FLC/ 2%CC 1/4#/SX FLC
PRODUCTION	7 7/8	5 1/2	15.5	3003	CLASS "C"/ CLASS "C"	270/40	20% DIACEL D, 2% CaCl, 1/4#/SXFLC/ 10% DIACEL D, 2% CaCl 1/4#/SX FLC

## 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
2	2620-2628', 2652-2672'	ACID W/ 1400 GAL 71/2% FE HCL IN 2' INTERVALS (50GAL/FT) FRAC W/3500GAL 30# LINEAR GELLED 2% KCL WTR + 3500#40/70 SMD 15000GAL 30% LINEAR GELLED 2% KCL WTR 33000# 20/40 SMD	2620-2628' & 2652-2672'
4	2672-2692', 2720--2740'	NONE	

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8"	2774'			
Date of First, Resumed Production, SWD or Inj.	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
2/6/95					
Estimated Production Per 24 Hours	Oil Bbls.	Gas 480 Mcf	Water 12 Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled 2620-2740' (OA)  
(If vented, submit ACO-18.) ☐ Other (Specify) \_\_\_\_\_

ORIGINAL

## DRILLER'S WELL LOG

**RELEASED**

MAR 14 1996

FROM CONFIDENTIAL

FROM CONFIDENTIAL

DEPTH From	To	FORMATION	REMARKS
0	792	Sand	
792	1365	Redbed	Ran 19 jts of 24# 8 5/8" csg set @ 792' w/450 sks
1365	1505	Glorietta	75/25 Posmix 2%CC 1/4# Celoflake
1505	2587	Redbed-Shale	150 sks Common 2% CC
2587	3003	Shale	1/4# Celoflake PD @ 11:15AM 11/26/94
	3003' TD		
		FEB 27	
		CONFIDENTIAL	
			Ran 68 jts of 15 1/2# 5 1/2" csg set @ 2970' w/270 sks Class C 20% Diecel D 2% CC 1/4# Flocele - 40 sks Class C 10% Diecel D 2% CC 1/4# Flocele PD @ 2:45PM 11/30/94 RR @ 3:45PM 11/30/94

FEB 27  
CONFIDENTIAL

RECEIVED  
STATE CORPORATION COMMISSION

MAR 02 1995

GOVERNMENT OF CANADA  
MINISTER OF INDUSTRY