

ORIGINAL

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, KANSAS 67905-0351

Purchaser: NONE

Operator Contact Person: J. L. ASHTON

Phone (316) 624-6253

Contractor: Name: CHEYENNE DRILLING

License: 5382

Wellsite Geologist: N/A

Designate Type of Completion  
       New Well X Re-Entry        Workover

       Oil        SWD        SLOW        Temp. Abd.  
       Gas        ENHR        SIGW  
X Dry        Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: ANADARKO PETROLEUM CORP

Well Name: HERBEL A #3H

Comp. Date 7-27-89 Old Total Depth 1593'

X **PLUGGED & ABANDONED**  
       Deepening        Re-perf.        Conv. to Inj/SWD  
       Plug Back        PBTD  
       Commingled        Docket No.         
       Dual Completion        Docket No.         
       Other (SWD or Inj?) Docket No.       

9-11-96 9-14-96 9-14-96  
Spud Date OF REENTRY Date Reached TD        Completion Date  
P&A 9-26-96

API NO. 15- 189-21332-0001

County STEVENS

NE - NE - SW - NW Sec. 23 Twp. 34 Rge. 39 X W

3890 Feet from X (S) (circle one) Line of Section

4030 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 HERBEL "A" Well # 3

Field Name HUGOTON

Producing Formation NONE

Elevation: Ground 3297.7 KB       

Total Depth 3012 PBTD 0

Amount of Surface Pipe Set and Cemented at 621 Feet

Multiple Stage Cementing Collar Used?        Yes X No

If yes, show depth set        Feet

If Alternate II completion, cement circulated from       

feet depth to        w/        sx cmt.

Drilling Fluid Management Plan UNSUCCESSFUL REENTRY  
(Data must be collected from the Reserve Pit) 1-30-97

Chloride content NA ppm Fluid volume 400 bbls

Dewatering method used NATURAL EVAPORATION

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 David W. Kapple  
Title DIVISION DRILLING ENGINEER Date 10/16/96

Subscribed and sworn to before me this 16th day of October 19 96.

Notary Public Freda L. Hinz

Date Commission Expires       

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

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

ORIGINAL

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name HERBEL "A" Well # 3

Sec. 23 Twp. 34 Rge. 39 [ ] East [x] West County STEVENS

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 [x] No (Attach Additional Sheets.)
Samples Sent to Geological Survey [ ] Yes [x] No
Cores Taken [ ] Yes [x] No
Electric Log Run [ ] Yes [x] No (Submit Copy.)
List All E.Logs Run: NONE
[ ] Log Formation (Top), Depth and Datums [x] Sample
Name Top Datum
SAND/CLAY 0-592
REDBED 592-626
REDBED/SHALE 626-825
SHALE 825-1295
GLORIETTA 1295-1460
SHALE 1460-1587
NO OTHER TOPS AVAILABLE DUE TO LOST CIRCULATION.

CASING RECORD
[x] New [ ] Used
Report all strings set-conductor, surface, intermediate, production, etc.
Table with columns: 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.

ADDITIONAL CEMENTING/SQUEEZE RECORD
Table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

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

TUBING RECORD
Size \*\* Set At Packer At Liner Run [ ] Yes [x] No

Date of First, Resumed Production, SWD or Inj. \*\* Producing Method \*\*
[ ] Flowing [ ] Pumping [ ] Gas Lift [ ] Other (Explain)

Estimated Production Per 24 Hours
Oil \*\* .Bbls. Gas \*\* Mcf Water Bbls. 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
\*\* NONE-D&A [ ] Other (Specify)



# JOB SUMMARY

HALLIBURTON DIVISION MID CONTINENTAL 19109  
 HALLIBURTON LOCATION Liberal, KS.

BILLED ON TICKET NO. 106597

KCC

WELL DATA

FIELD \_\_\_\_\_ SEC 23 TWP 34 RNG 39 COUNTY Stevens STATE KS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD. OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

PRESENT PROD. OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<input checked="" type="checkbox"/>	<u>W.</u>	<u>1.5-5</u>	<u>5 1/2</u>	<u>KO</u>	<u>7530</u>
LINER	<input type="checkbox"/>					
TUBING	<input type="checkbox"/>					
OPEN HOLE	<input type="checkbox"/>					
PERFORATIONS	<input type="checkbox"/>					
PERFORATIONS	<input type="checkbox"/>					
PERFORATIONS	<input type="checkbox"/>					

## ORIGINAL

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>5W</u>	<u>5 1/2</u>	<u>1</u>
HEAD <u>P.C.</u>	<u>5 1/2</u>	<u>1</u>
PACKER		
OTHER		

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.

GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.

BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-26-96</u>	DATE <u>9-26</u>	DATE <u>9-26</u>	DATE <u>9-26</u>
TIME <u>0400</u>	TIME <u>0745</u>	TIME <u>0940</u>	TIME <u>2000</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION

DEPARTMENT CMF

DESCRIPTION OF JOB PTA C

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN

CUSTOMER REPRESENTATIVE X P J Sturb

HALLIBURTON OPERATOR Jye Dewz COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>30</u>	<u>Prem 64/10</u>	<u>POZ</u>	<u>B</u>	<u>6 3/4 GA</u>	<u>1.64</u>	<u>13.1</u>
<u>2</u>	<u>260</u>	<u>Prem 64/10</u>	<u>POZ</u>	<u>B</u>	<u>6 3/4 GA</u>	<u>1.64</u>	<u>13.1</u>

PRESSURES IN PSI \_\_\_\_\_ SUMMARY \_\_\_\_\_ VOLUMES \_\_\_\_\_

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL BBL.-GAL. 33

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 14.5 2575.9

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ REMARKS \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET \_\_\_\_\_ REASON \_\_\_\_\_

FIELD OFFICE

CUSTOMER: Apparicio Pet.  
 LEASE: Liberal, A.  
 WELL NO.: 3  
 JOB TYPE: PTA  
 DATE: 9/26



JOB LOG HAL-2013-C

CUSTOMER Anadarko	WELL NO. 3	LEASE Herbei W	JOB TYPE PTA	TICKET NO. 9106597
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0400							Called out for job
	0745							on loc rig up P.T. ORIGINAL
	0930							Hook Iron to P.T.
	0942	3.5	14.6		✓		20	PUMP (305x) 60/40 prem poz w/ 6" 20 gal 9' 13.1 P1441
	0945	0	14.6		✓		0	Shut down prop plug.
	0946	3.0	33		✓		vacc	PUMP DISP.
	0957							Shut down
								wait on free point (back off)
	1205							Pull 5/2 CS8.
	1410							TDH w/ 2 7/8 TBH
	1500							Tag up at 11401.
	1600							lay down 2 7/8 TBH
	1620							out of hole w/ TBH.
	1620							WOC TO plug hole
	1720							PSA Cmt on loc
								Hook up to well
108 1004	1737	4.0	5				20	PUMP H2O spacer
	1740	4.0	43.8		✓		20	PUMP (1505x) 60/40 prem 6.75 gal 9' 13.
	1749	4.0	7.9		✓		vacc	PUMP DISP.
	1751	0			✓		vacc	Shut down pull CS8.
								plug at 630 ft
	1832	4.0	5		✓		20	PUMP spacer
	1834	5.0	29.2		✓		20	PUMP (1005x) 60/40 poz 6.75 gal
	1840	4.0	2.3		✓		vacc	PUMP DISP.
	1841				✓		vacc	Shut down pull CS8.
								plug at 40 ft to surface
	1933	3.0			✓		0	Fill Hole
	1943	3.0			✓		20	circ to pit 33 bbls pumped
	1943	3.0			✓			Pump cmt
	1948							Shut down
	1955							TOP OFF.
	2000							Job over
								Thanks for calligraphy
								Type sonny & Sam.

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