

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: ANADARKO TRADING COMPANY

Operator Contact Person: J. L. ASHTON **RELEASED**

Phone ( 316 ) 624-6253

Contractor: Name: CHEYENNE DRILLING

License: 5382

Wellsite Geologist: N/A

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  PBT  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

10-23-96 10-25-96 11-22-96  
Spud Date Date Reached TD Completion Date

API NO. 15- 189-22105-0006

County STEVENS

NE - NE - SW - NW Sec. 19 Twp. 32 Rge. 37 X W

1390 Feet from (N)X (circle one) Line of Section

1250 Feet from X(N) (circle one) Line of Section

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

Lease Name SPALDING "A" Well # 3H

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 3148.3 KB \_\_\_\_\_

Total Depth 2953 PBDT 2909

Amount of Surface Pipe Set and Cemented at 649 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 JW 8-6-98  
(Data must be collected from the Reserve Pit)

Chloride content 5900 ppm Fluid volume 400 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite:

Operator Name DEC 13 1-4-97

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

DAVID W. KAPPLE

Title DIVISION DRILLING ENGINEER Date 1/10/97

Subscribed and sworn to before me this 10th day of January 19 97.

Notary Public L. Marc Harvey

Date Commission Expires \_\_\_\_\_

**L. MARC HARVEY**  
Notary Public - State of Kansas  
My Appt. Expires 6-12-99

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)

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Operator Name ANADARKO PETROLEUM CORPORATION Lease Name SPALDING "A" Well # 3H

Sec. 19 Twp. 32 Rge. 37  East County STEVENS  
 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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	BLAINE	1097	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	GLORIETTA	1255	
List All E.Logs Run: GR-CBL, DIL, CNL-LDT.		B/CIMARRON	1790	
		KRIDER	2604	
		WINFIELD	2666	
		TOWANDA	2714	
		FT. RILEY	2776	

CASING RECORD							
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	649	P+ MIDCON 2/ P+ MIDCON 2.	130/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8	5-1/2	15.5	2953	MIDCON/ MIDCON.	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
<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
1	2778-2808, 2840-44, 2866-72	ACID: 3000 GAL 7-1/2% FeHCL.	2778-2872 (OA)
1	2580-90, 2612-20, 2634-40, 2668-80, 2715-35.	FRAC: 103500 GAL FOAMED GEL & 372000#	2580-2872 (OA)
		12/20 SD.	
TUBING RECORD	Size 2-3/8	Set At 3190	Packer At
			Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 11-25-96		Producing Method	
		<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf.	Water Bbls.
		627	0
Gas-Oil Ratio		Gravity	

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval: 2580-2872 (OA)

KCC

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ORIGINAL

ANADARKO PETROLEUM CORPORATION  
SPALDING A-3H  
SECTION 19-T32S-R37W  
STEVENS COUNTY, KANSAS

COMMENCED: 10-23-96  
COMPLETED: 11-02-96

SURFACE CASING: 642' OF 8 5/8" CMTD  
W/120 SKS MIDCON 2 + 2% CC + 1/4#/SK  
FLOCELE. TAILED IN W/100 SKS  
PREMIUM PLUS + 2% CC + 1/4 #/SK  
FLOCELE.

FORMATION

DEPTH

SURFACE HOLE

0 - 649

RED BED

649 - 1208

RELEASED

GLORIETTA

1208 - 1389

SEP 16 1998

RED BED & ANHYDRITE

1389 - 1700

FROM CONFIDENTIAL

RED BED

1700 - 2715

CHASE & COUNCIL GROVE

2715 - 2953 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.



WRAY VALENTINE

RECEIVED  
KANSAS  
OCT 14 1998  
11/13

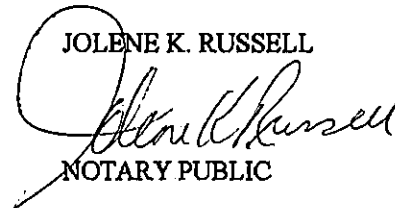
KCC  
DEC 13  
CONFIDENTIAL

STATE OF KANSAS : ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 6TH DAY OF NOVEMBER, 1996.



JOLENE K. RUSSELL

  
NOTARY PUBLIC



CUSTOMER: ANADARKO WELL NO: A-3-H LEASE: SPAULZING JOB TYPE: 5 1/2 LONGSTRUNG TICKET NO: 107012

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	22:00							(CALLED OUT 10/25/96)
	01:30							ON LOCATION
	02:00							SAFETY MEETING
11-2-96	0730							Called out For Job.
	0945							ON LOC. RIG T14 W/CSY.
	1030							CSY ON BOH Hook UP 5 1/2 P.C. & Circ. Iron. to R.Y.
	1037							brk circ. wiring.
	1042							circ. to pit
	1120							Hook Iron. to P.T.
	1126	5.0	8		✓		200	PUMP H <sup>2</sup> O
	1128	5.0	10		✓		220	PUMP SF
	1130	5.0	8		✓		250	PUMP H <sup>2</sup> O
	1132	7.0	97.4		✓		350	PUMP 1705x PF MC 9+ 11.1" 1901
	1145	7.0	36		✓		250	PUMP 1105x PF MC 9+ 12.8" 1901
	1152	0	36		✓		0	Shut DOWN WASH UP.
	1155	6.5	69.6		✓		100	PUMP DISP.
	1205	2.5	69.6		✓		470	596bls in 510 rate.
	1209	2.5	69.6		✓		570 / 1200	Load Plug.
	1210	0	69.6		✓		1200 / 0	Release float - Held.
	1210							Job over
								Thanks For calling.
								Tyce Tom & crew
								KCU
								DEC 13
								CONFIDENTIAL
								RELEASED
								SEP 16 1998
								FROM CONFIDENTIAL



# JOB SUMMARY

HALLIBURTON DIVISION Mid cont. Area.  
HALLIBURTON LOCATION Liberal ks.

KCC  
BILLED ON TICKET NO. 106310

## WELL DATA

FIELD \_\_\_\_\_ SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_ COUNTY Stevens STATE KJ.

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 \_\_\_\_\_

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	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N.</u>	<u>23</u>	<u>8 5/8</u>	<u>10B</u>	<u>649</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

TOOLS AND ACCESSORIES			
TYPE AND SIZE	QTY.	MAKE	
FLOAT COLLAR <u>Insert 8 5/8</u>	<u>1</u>	<u>H</u>	
FLOAT SHOE <u>Fill Assy</u>	<u>1</u>		
GUIDE SHOE <u>R.G.</u>	<u>1</u>	<u>0</u>	
CENTRALIZERS <u>S4</u>	<u>4</u>		
BOTTOM PLUG <u>BGSkt</u>	<u>1</u>	<u>W</u>	
TOP PLUG <u>SW</u>	<u>1</u>		
HEAD <u>P.C.</u>	<u>1</u>	<u>6</u>	
PACKER			
OTHER		<u>0</u>	

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10-23-96</u>	DATE <u>10-23-96</u>	DATE <u>10-24-96</u>	DATE _____
TIME <u>1600</u>	TIME <u>2100</u>	TIME <u>240</u>	TIME _____

PERSONNEL AND SERVICE UNITS		
NAME	UNIT NO. & TYPE	LOCATION
<u>RELEASED</u>		
<u>SEP 16 1998</u>		
<u>FROM CONFIDENTIAL</u>		
<u>KCC</u>		
<u>DEC 13</u>		
<u>CONFIDENTIAL</u>		

**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 \_\_\_\_\_

DEPARTMENT CMT  
 DESCRIPTION OF JOB CMT R<sup>5</sup> S.P.

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE X. Castillo  
 HALLIBURTON OPERATOR Joe Davis COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>130</u>	<u>P+MC</u>		<u>B</u>	<u>3% CC 1/4 # F10</u>	<u>3.22</u>	<u>11.1</u>
<u>1</u>	<u>100</u>	<u>P</u>		<u>B</u>	<u>2% CC 1/4 # F10</u>	<u>1.32</u>	<u>14.8</u>

**PRESSURES IN PSI**  
 CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN. \_\_\_\_\_  
 HYDRAULIC HORSEPOWER \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 35 REASON Shoe Joint

## SUMMARY

## VOLUMES

PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL. BBL.-GAL. 39.2  
 CEMENT SLURRY: BBL.-GAL. 74.5 r.c. 20.5 r.c.  
 TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

## REMARKS

CUSTOMER AMARILLO P&T  
LEASE Stoddard  
WELL NO. 3 H  
JOB TYPE 8 5/8 S.P.  
DATE 10-23-96

CUSTOMER <i>Amstarco</i>	WELL NO. <i>3-H</i>	LEASE <i>Spaulding</i>	JOB TYPE <i>8 5/8 S.P.</i>	TICKET NO. <i>106310</i>
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1600							called out for job.
	2100							on loc rig drilling.
	115							Thru DR. L.V.P.P. out of hole w/d.p. - run casing.
	0217							Casing on BOH hook up 8 5/8 P.C. 6' circ iron to rig.
	0228							brk circ. <span style="float: right;">ORIGINAL</span>
	0229							circ to pit
	0235							Thru circ. hook iron to pit.
	0239	7.0	74.5		✓		200	PUMP 1305x P.M.C. at 11.7' <sup>11/20</sup>
	0248	6.5	23.5		✓		250	PUMP 1005x P.F. at 14.8' <sup>11/20</sup>
	0253	0	22.5		✓		0	Thru mixing shut down <sup>11/20</sup>
	0254	6.0	39.2		✓		100	PUMP DISP
	0259	6.0	39.2				150	26 bbls disp. cmf to pit
	0300	3.0	39.2				120	30 bbls disp. slo rate
	0303	1.5	39.2				<del>150</del> 800	Land plug.
	0304	0	39.2				<del>800</del> 0	Release Flow -
	0305							RELEASED Job over
								SEP 16 1998
								FROM CONFIDENTIAL Thanks for calling. TYce Tom Mike