

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

API NO. 15- 129-21418-0001 ORIGINAL

County MORTON

 - NW - NW - NW Sec. 16 Twp. 32 Rge. 39 **(X W)**

330 Feet from **(N) X** (circle one) Line of Section

330 Feet from **X (W)** (circle one) Line of Section

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

Lease Name ANADARKO "E" Well # 1

Field Name KINSLER EAST AREA

Producing Formation NONE

Elevation: Ground 3259.9 KB --

Total Depth 6080 PBDT 0

Amount of Surface Pipe Set and Cemented at 1693 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 PHA, 10-5-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 1600 ppm Fluid volume 700 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

 Quarter Sec. Twp. Rge. E/W

County Docket No.

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: BIG A DRILLING

License: 31572

Wellsite Geologist: NA

Designate Type of Completion

X New Well Re-Entry Workover

 Oil SWD SIGW Temp. Abd.

 Gas ENHR SIGW

X 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 PBDT

 Commingled Docket No.

 Dual Completion Docket No.

 Other (SWD or Inj?) Docket No.

2-5-96 2-16-96 2-18-96

Spud Date Date Reached TD Completion Date

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 3/5/96

Subscribed and sworn to before me this 5th day of March, 1996.

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)

SIDE TWO

Operator Name: ANADARKO PETROLEUM CORPORATION

Lease Name: ANADARKO "E" Well # 1

Sec. 16 Twp. 32 Rge. 39 East West

County: MORTON

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.) Yes No

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run (Submit Copy.) Yes No

List All E.Logs Run: DIL, ML, CNL-LDT, SONIC.

<input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample		
Name	Top MD	Datum
B/STONE CORRAL	1721	
CHASE	2392	
COUNCIL GROVE	2728	
HIEBNER	3920	
LANSING	4038	
MARMATON	4724	
MORROW	5497	
CHESTER	5996	

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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	1693	MIDCON/P+	265/160	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
**	**			

TUBING RECORD	Size	Set At	Packer At	Liner Run
	**			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method	Estimated Production **	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
**	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						

Disposition of Gas: ** Method of Production ** Production Interval **

Vented Sold Used on Lease (If vented, submit ACO-18.)

Open Hole Perf. Dually Comp. Commingled

Other (Specify) _____

** NONE-D&A



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Mid Continent
Liberal KS

BILLED ON TICKET NO. *919661*

KCC

CUSTOMER *Alexander*
LEASE *Midcontinent*
WELL NO. *15*
JOB TYPE *D10*
DATE *2-7-96*

WELL DATA

FIELD *EAST KLAUSLER* SEC. *16* TWP. *32S* RING. *34W* COUNTY *Morton* 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 _____
PACKER TYPE _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSF ALLOWABLE
CASING	<i>N</i>	<i>23</i>	<i>8 5/8</i>	<i>KB</i>	<i>1712</i>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

CONFIDENTIAL

ORIGINAL

JOB DATA

TOOLS AND ACCESSORIES			
TYPE AND SIZE	QTY.	MAKE	
FLOAT COLLAR <i>INSEAT</i>	<i>8 5/8</i>	<i>1</i>	<i>Hawco</i>
FLOAT SHOE			
GUIDE SHOE <i>REG</i>	<i>1</i>		
CENTRALIZERS <i>REG</i>	<i>5</i>		
BOTTOM PLUG			
TOP PLUG <i>Sw</i>	<i>1</i>		
HEAD <i>PC</i>	<i>1</i>		
PACKER <i>PACKET</i>	<i>1</i>		
OTHER <i>weld A</i>	<i>1</i>		

CALLED OUT		ON LOCATION		JOB STARTED		JOB COMPLETED	
DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME
<i>2-7-96</i>	<i>0800</i>	<i>2-7-96</i>	<i>1100</i>	<i>2-7-96</i>	<i>1527</i>	<i>2-7-96</i>	<i>1620</i>

PERSONNEL AND SERVICE UNITS			
NAME	UNIT NO. & TYPE	LOCATION	
<i>Tom Peyer</i>	<i>420042</i>	<i>Liberal KS</i>	
<i>Sunny Tate</i>	<i>75374</i>	<i>"</i>	
<i>John Underwood</i>	<i>50864</i>	<i>"</i>	
<i>Vaughan Brown</i>	<i>4461-6611</i>	<i>Hopkinton, IL</i>	

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 _____ 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. _____ IN
PERFPAC BALLS TYPE _____ QTY. _____
OTHER _____
OTHER _____

DEPARTMENT *Cement*
DESCRIPTION OF JOB *set surface pipe*
JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
CUSTOMER REPRESENTATIVE *X O.J. Atwood*
HALLIBURTON OPERATOR *Tom Peyer* COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<i>265</i>	<i>Midcon 228</i>	<i>PT</i>	<i>B</i>	<i>3%CC, 1/4% Fluid</i>	<i>3.22</i>	<i>11.1</i>
	<i>160</i>	<i>Primo Plus</i>		<i>B</i>	<i>2%CC, 1/4% Fluid</i>	<i>1.32</i>	<i>14.8</i>

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 *42* REASON *Stop Joint*

SUMMARY
PRESLUSH: BBL.-GAL. _____ TYPE _____
LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. *104100*
CEMENT SLURRY BBL.-GAL. *152 + 37 1/2*
TOTAL VOLUME: BBL.-GAL. _____
REMARKS
Cement for surface
100 lbs in the slot

JOB LOG HAL-2013-G

CUSTOMER: *APC* WELL NO.: *#1* LEASE: *Andover "E" #1* JOB TYPE: *010* DATE: *2-7-96* TICKET NO.: *919661*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS: T: C	PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
					TUBING	CASING	
	0800						Called out from Garden City — Reg. 1100
	1100						On Loc — Drilling
	1230						T.O. H
	1350						Run csq. 8 1/2" @ 1712'
	1512						On Bottom
	1519						Hook up to circulate — Circ broke 1518 hrs
	1524						Hook up to circ.
	1527	0-6	152	✓		↑ 0/150	Pump lead cement @ 265' within 223
	1551		39 1/2	✓		200	Pump tail cement @ 160' from flow
	1558	-0				↓ 200/0	Shut down — Drop plug
	1559	0-6	107	✓		↑ 0/450	Pump Displ. — washing
	1617	6-2		✓		459/350	Reduce Rate
	1619	2-0		✓		↑ 409/300	Plug Down
	1620			✓		300/0	Release Press. — float held
							Cement to surface ✓
							Approx 30 bbls on 52 sts
							Thank you!
							Tom & Sonny & crew

CONFIDENTIAL

RECEIVED
 KANSAS CORP CORP
 FEBRUARY 13 A. 10 30

RELEASED

OCT 15 1998

FROM CONFIDENTIAL



HAL-1906-N

CHARGE TO: **Anadarko Petroleum Corp**
 ADDRESS: **RECEIVED**
 CITY, STATE, ZIP CODE: **KANSAS CORP COMM**

TICKET No. **919661 - 6**
 PAGE **1** OF **2**

SERVICE LOCATIONS 1. 25540	WELL/PROJECT NO. #1	LEASE Anadarko (E)	COUNTY/PARISH Morton	STATE KS	CITY/OFFSHORE LOCATION Richfield	DATE 2-7-96	OWNER
2. 25535	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR RIG A	RIG NAME/NO. 1	SHIPPED VIA HES	DELIVERED TO wellsite	ORDER NO.
3.	WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 010	WELL PERMIT NO.	WELL LOCATION LAND (16-32s-39w)		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING LOC	ACCT	DF	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
000-117	RELEASED OCT 15 1998 FROM CONFIDENTIAL	ORIGINAL	1		MILEAGE	2	EA	32	mi	2.85	182.40	
000-119			1		Crew Mileage	2	EA	32	mi	1.50	96.00	
001-016			1		Pump Charge	6	hrs	1712	ft		1320.00	
030-018			1		Top Plug	1	EA	8 5/8	in		130.00	
41			806.61048	1		Centralizer	5	EA	8 5/8	in	61.00	
320			806.71460	1		Basket	1	EA	8 5/8	in		124.00
350			890.10802	1		Weld A	1	EA	1	lb		16.00
12A			825.217	1		Guide Shoe	1	EA	8 5/8	in		216.00
24A	815.19508	1		Insert vlv.	1	EA	8 5/8	in		195.00		
27	815.19415	1		Fill Assy.	1	EA	8 5/8	in		64.00		

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X O.J. Stuck
 DATE SIGNED: _____ TIME SIGNED: _____
 A.M. P.M.

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK	DEPTH	SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL 2320	
BEAN SIZE	SPACERS		OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				FROM CONTINUATION PAGE(S) 8267
TYPE OF EQUALIZING SUB.	CASING PRESSURE		WE UNDERSTOOD AND MET YOUR NEEDS?				SUB-TOTAL 10587
TUBING SIZE	TUBING PRESSURE		OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
TREE CONNECTION	TYPE VALVE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
		ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO		APPLICABLE TAXES WILL BE ADDED ON INVOICE		
		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) O.J. Stuck	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X O.J. Stuck	HALLIBURTON OPERATOR/ENGINEER Tom Payer	EMP # 48126	HALLIBURTON APPROVAL
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JOB LOG HAL-2013-C

CUSTOMER		WELL NO.	LEASE	JOB TYPE		TICKET NO.	
Awardeco Det		E-1	Awardeco	USA		921162	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)	DESCRIPTION OF OPERATION AND MATERIALS
				T	C		
				TUBING	CASING		
	01:30						called on loc ORIGINAL
	01:35						left loc ORIGINAL
	05:00						on Awardeco loc by tek
	05:00						SAFETY MEETING
	05:05						CONFIDENTIAL Halliburton customer FROM CONFIDENTIAL
	05:08	4	20		1	150	Pump Fresh Ho Ahead
	05:13	4	30		1	150	Mud + Pump cont @ 131' HA
	05:20	2	5		1	100	Pump Fresh Ho Spaced
	05:23	45	25		1	100	Pump mud to Balance Disk PLUG SPILLED From 2700' to 2275'
	05:35						RIG LDDP
	06:30	4	20		1	100	Pump Fresh Ho Ahead
	06:35	4	16		1	100	Mud + Pump cont @ 131' HA
	06:39	2	5		1	100	Pump Fresh Ho Spaced
	06:42	4	15		1	150	Pump mud to Balance Disk Disk spilled from 1730 to 1500'
	06:46						RIG LDDP
	07:20	4.5	30		1	100	Pump Fresh Ho Ahead
	07:33	4.5	11		1	120	Mud + Pump cont @ 131' HA
	07:35	2	3		1	100	Pump Fresh Ho Spaced
	07:37	2	4		1	100	Pump mud to Balance Disk PLUG SPILLED From 700 to 520'
	07:40						RIG LDDP
	07:50						RELEASED
	08:00						OCT 15 1998 TEAR DOWN BOR LA ON Kella & RIL WASE HSE
	09:45						FROM CONFIDENTIAL Pump cont in same JOB completed
	10:00						Thank you

FIELD OFFICE



HALLIBURTON ENERGY SERVICES

© 1996 H

CHARGE TO:
ANADARKO PETROLEUM CO.
 ADDRESS:
 CITY, STATE, ZIP CODE:

ORIGINAL

TICKET

No. 921162 - 0

PAGE 1 OF 2

PAGE 002

SERVICE LOCATIONS 1. LIBERAL	WELL/PROJECT NO. E-1	LEASE ANADARKO	COUNTY/PARISH MOON	STATE KS	CITY/OFFSHORE LOCATION	DATE 2/17/96	OWNER SAME
2. HUGOTON	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR BIG A DRILLING	RIG NAME/NO. # 1	SHIPPED CT	DELIVERED TO WELLSITE	ORDER NO.
3.	WELL TYPE 02	WELL CATEGORY 06	JOB PURPOSE 115	WELL PERMIT NO. 15729214180000	WELL LOCATION		
4.	REFERRAL LOCATOR	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		U/M	U/M	PRICE		
000-117					MILEAGE 53554/76900	160	mi	17PK	285	456
000-119					MILEAGE 94020	160	mi	17PK	150	240
009-019					PLUGGING TO Abandon	2700	FT			1535

FROM CONFIDENTIAL
 OCT 15 1998
 RELEASED
 CONFIDENTIAL
 ORIGINAL

MAR 05 '96 09:38AM

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	SURVEY		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	2231
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				FROM CONTINUATION PAGE(S)	2784
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					
TYPE OF EQUALIZING SUB.	CASINO PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
WELL DEPTH		ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
TREE CORRECTION	TYPE VALVE	<input type="checkbox"/> CUSTOMER DID NOT WANT TO RESPOND				SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	3761

DATE SIGNED: **2/17/96** TIME SIGNED: **03:00**

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES. The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): **D. BENJAMIN 47408**

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): *[Signature]*

HALLIBURTON APPROVAL: *[Signature]*

MAR 5 '96 10:45

