

FORM MUST BE TYPED

SIDE ONE

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: BIG "A" DRILLING

License: 31572

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

X Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: ANADARKO PETROLEUM CORPORATION

Well Name: RAY "C" No. 5

Comp. Date 8/27/96 Old Total Depth 5650

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PREVIOUS SIDETRACK HOLE

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

(SIDETRACK #2) WLE# 194,772-C (C-28,021)

12/30/96 1/9/97 LOST HOLE 1/10/97

Date of START OF WORKOVER Date Reached TD 1/9/97 Completion Date OF WORKOVER 1/10/97

API NO. 15- 081-21044-0002

County HASKELL

150' E OF _____ E

SE - SE Sec. 21 Twp. 29S Rge. 34 X W

SHL: 660 FSL

BHL: 1196 Feet from SX (circle one) Line of Section

SHL: 510 FEL

BHL: 556 Feet from EX (circle one) Line of Section

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

Lease Name RAY "C" Well # 5

Field Name EUBANK

Producing Formation NONE

Elevation: Ground 2977.6 KB _____

5415 (TVD)

Total Depth 5820 (MD) PBDT 5555 (MD)

Amount of Surface Pipe Set and Cemented at _____ 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 REWORK JTK 4-3-97
(Data must be collected from the Reserve Pit)

Chloride content 1000 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. _____

ORIGINAL

4-3-97 RECEIVED
KANSAS CORP
1997 APR 3 D 1:30 PM

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 4/2/97

Subscribed and sworn to before me this 2nd day of April 1997.

Notary Public Freda L. Hinz

FREDA L. HINZ

Date Commission Expires _____

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

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other (Specify)

ORIGINAL

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name RAY "C" Well # 5

Sec. 21 Twp. 29 Rge. 34 East West County 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 No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run: NO NEW LOGS RUN.

BOTTOM HOLE SURVEY ATTACHED.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
LOG TOPS FROM ORIGINAL COMPLETION.		
B/STONE CORRAL	1809	
CHASE	2522	
COUNCIL GROVE	2850	
HEEBNER	3972	
LANSING "A"	4066	
KANSAS CITY "A"	4514	
MARMATON	4670	
MORROW	5212	
CHESTER	5354	
ST. LOUIS	5556	

CASING RECORD <input 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

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom		Type of Cement	#Sacks Used	Type and Percent Additives

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
		NONE- LOST HOLE FROM 5555 TO TD. HOLE IS BELIEVED TO BE COLLAPSED.	

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 <input 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.	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: _____

NONE

15-081-21044-0003

ORIGINAL

ANADARKO PETROLEUM CORPORATION
 RAY C-5, slot #1
 HASKELL COUNTY, KANSAS

SURVEY LISTING Page 1
 Your ref : Sidetrack #2 s#1795
 Last revised : 17-Jan-97

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	RECTANGULAR COORDINATES		Dogleg Deg/100ft	Vert Sect	
5000.00	0.48	100.27	4999.58	19.69 S	22.16 W	0.48	-17.69	Sidetrack #2 tie-in 5000 MD (KB)
5061.00	5.50	290.50	5060.49	18.71 S	24.65 W	9.79	-16.49	
5092.00	9.50	319.20	5091.23	16.26 S	27.71 W	17.30	-13.78	Sidetrack #2 KOP 5090 MD +-
5124.00	13.00	349.60	5122.64	10.71 S	30.09 W	21.15	-8.05	
5156.00	18.90	8.70	5153.41	2.03 S	29.96 W	24.45	0.59	
5187.00	23.80	12.20	5182.28	9.05 N	27.87 W	16.33	11.45	
5219.00	28.30	13.00	5211.02	22.76 N	24.80 W	14.10	24.83	
5250.00	32.80	9.80	5237.71	38.20 N	21.72 W	15.43	39.95	
5282.00	37.80	8.20	5263.82	56.46 N	18.84 W	15.89	57.89	
5312.00	42.10	8.70	5286.81	75.51 N	16.01 W	14.37	76.62	
5345.00	46.70	9.10	5310.38	98.32 N	12.43 W	13.97	99.02	
5377.00	50.80	7.50	5331.48	122.12 N	8.97 W	13.35	122.43	
5409.00	55.90	6.90	5350.57	147.58 N	5.76 W	16.01	147.52	
5440.00	60.00	3.50	5367.02	173.74 N	3.40 W	16.16	173.37	
5472.00	59.90	356.70	5383.06	201.41 N	3.35 W	18.39	200.94	
5504.00	62.50	355.20	5398.48	229.38 N	5.33 W	9.10	228.97	
5534.00	66.60	357.50	5411.37	256.41 N	7.05 W	15.32	256.04	
5566.00	73.90	358.30	5422.17	286.48 N	8.15 W	22.93	286.10	
5598.00	84.80	354.40	5428.08	317.81 N	10.16 W	36.10	317.49	
5627.00	90.40	349.10	5429.30	346.47 N	14.32 W	26.57	346.39	
5659.00	93.10	351.10	5428.32	377.97 N	19.82 W	10.50	378.26	
5700.00	93.30	349.50	5426.03	418.32 N	26.72 W	3.93	419.06	
5732.00	92.90	350.20	5424.30	449.77 N	32.35 W	2.52	450.88	
5759.00	92.60	350.50	5423.00	476.36 N	36.87 W	1.57	477.76	
5790.00	96.90	351.20	5420.44	506.85 N	41.78 W	14.05	508.56	
5820.00	101.00	351.90	5415.77	536.16 N	46.13 W	13.86	538.14	Projection to bit.

ORIGINAL

460 510
 1196.16 556.13
1196 FSL 556 FSL

RECEIVED
 KANSAS CORP COMM
 1997 APR -3 P 1:33

All data is in feet unless otherwise stated.
 Coordinates from slot #1 (and TVD from rotary table).
 Bottom hole distance is 538.14 on azimuth 355.08 degrees from wellhead.
 Vertical section is from wellhead on azimuth 355.00 degrees.
 Calculation uses the minimum curvature method.
 Presented by Baker Hughes INTEQ



HALLIBURTON JOB SUMMARY

HALLIBURTON DIVISION **Liberal Ks**
 HALLIBURTON LOCATION

BILLED ON TICKET NO. **107191**

WELL DATA

FIELD _____ SEC _____ TWP _____ RNG _____ COUNTY _____ 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						
LINER						
TUBING DP	U	10 1/2	2 1/2	KB	5260	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 12-27-96	DATE 12-27-96	DATE 12-28-96	DATE 12-28-96
TIME 2120	TIME 2300	TIME 0231	TIME 0247

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 _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>Plug STH</i>		
<i>Drilled Out</i>		
<i>See Next Ticket</i>		

DEPARTMENT **Cement 500**

DESCRIPTION OF JOB **whipstock plug cement of DP**

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN

CUSTOMER REPRESENTATIVE **X Ben Duly**

HALLIBURTON OPERATOR **Tom Poyer**

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU. FT./SK.	MIXED LBS./GAL.
	25	H		B	90% CFR	.98	17.2

SUMMARY

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 _____ REASON _____

VOLUMES

PRESLUSH: BBL-GAL **10**

LOAD & BKDN: BBL-GAL _____

TREATMENT: BBL-GAL _____

CEMENT SLURRY: BBL-GAL **4.3**

TOTAL VOLUME: BBL-GAL _____

REMARKS **33**

FIELD OFFICE

CUSTOMER: **NYC**
 LEASE: **NYC**
 WELL NO: **120**
 JOB TYPE: **120**
 DATE: **12-28-96**



JOB LOG HAL-2013-C

CUSTOMER Anadarko	WELL NO. #5	LEASE RRY C	JOB TYPE Plug ST #1 120	TICKET NO. 107191
----------------------	----------------	----------------	-------------------------------	----------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
					TUBING	CASING	
	2120						Called out — Requested "2300" EST
	2300						ON Loc. — Rig DOWN Logger
	2345						Hook up to circ. @ Rig
	0100						WAIT ON change over
							Hook up to cmt.
							ORIGINAL
	0231	0-1	10	✓		9/300	Pump H ₂ O
	0241	1-3	4 1/3	✓		300/500	Pump cmt @ 75 sks - 17.2 #/91
	0242	3	2 3/4	✓		500/100	Pump H ₂ O
	0243	3-5	19	✓		100/1500	Pump mud
	0247	5-0		✓		200/0	Shut down. — T.O.H. @ 7 Jts
							Hook to circ. @ Rig
							RELEASE FROM Loc.
							<i>THANKS</i> from the Service

RECEIVED
MANSAS CORP COM/1
1997 APR - 3 P 1:33



HALLIBURTON JOB SUMMARY

HALLIBURTON DIVISION Liberal BILLED ON TICKET NO. 107340
 HALLIBURTON LOCATION Liberal

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY Harvey STATE TX

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	<u>0</u>	<u>15.5</u>	<u>6 1/2</u>	<u>61</u>	<u>5000</u>	
LINER						
TUBING	<u>1</u>	<u>10.4</u>	<u>2 7/8</u>	<u>10</u>	<u>5230</u>	
OPEN HOLE			<u>4 7/8</u>			SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-28</u>	DATE <u>12-28</u>	DATE <u>12-28</u>	DATE <u>12-29</u>
TIME <u>3:00</u>	TIME <u>3:30</u>	TIME <u>4:00</u>	TIME <u>4:30</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R. COST</u>		<u>Liberal</u>
<u>D. M. ...</u>		<u>Liberal</u>
<u>F. ...</u>		<u>Harvey</u>
<u>R. ...</u>		<u>Liberal</u>
<u>Rescanned STEEL</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 ...
 DESCRIPTION OF JOB ...

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

CUSTOMER REPRESENTATIVE X ...

HALLIBURTON OPERATOR ... COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>35</u>	<u>H</u>			<u>...</u>	<u>...</u>	<u>...</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. _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. _____
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET _____ REASON _____

RECEIVED
 HANSAS CORP COMM
 APR - 3 11:33

CUSTOMER



CUSTOMER Avadar Ko WELL NO. C-5 LEASE Ray JOB TYPE 120 TICKET NO. 107340

Table with columns: CHART NO., TIME, RATE (BPM), VOLUME (BBL) (GAL), PUMPS (ST, C), PRESSURE (PSI) (TUBING, CASING), DESCRIPTION OF OPERATION AND MATERIALS. Includes handwritten entries for job operations and a 'RECEIVED' stamp.

ORIGINAL

Job Ended

Thanks For Calling Halliburton

Received ST #1

RECEIVED KANSAS CORP CONM 1997 APR -3 1:33