

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

Phone (316) 624-6253

Contractor: Name: NORSEMAN DRILLING

License: 3779

Wellsite Geologist: N/A

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 _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBTB

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

9-10-96 9-23-96 11-5-96

Spud Date Date Reached TD Completion Date

API NO. 15- 129-21450 00-00

County MORTON

NE - NE Sec. 2 Twp. 33 Rge. 41 E W

660 Feet from N/X (circle one) Line of Section

660 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 USA EAGLEY "D" Well # 2

Field Name DUNKLE

Producing Formation KANSAS CITY/FT. SCOTT/ALTAMONT/CHEROKEE

Elevation: Ground 3417.0 KB _____

Total Depth 5600 PBTB 5200

Amount of Surface Pipe Set and Cemented at 1478 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 AH. 1, 10-5-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 800 ppm Fluid volume 700 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite: _____

Operator Name RELEASED KCC

Lease Name _____ License No. NOV 27

Quarter OCT 15 1998 Sec. 2 Twp. 33 Rge. 41

County MORTON Docket No. CONFIDENTIAL

FROM 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 David W. Kapple

DAVID W. KAPPLE

Title DIVISION DRILLING ENGINEER Date 11/22/96

Subscribed and sworn to before me this 22nd day of November

19 96

Notary Public L. Marc Harvey



Date Commission Expires _____

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)

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name USA EAGLEY "D" Well # 2

Sec. 2 Twp. 33 Rge. 41 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.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List All E.Logs Run: DIL-MSFL, CNL-LDT, DIPMETER, SONIC, CBL-GR. DST SUMMARY ATTACHED.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datums</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>B/STONE CORRAL</td> <td>1480</td> <td></td> </tr> <tr> <td>CHASE</td> <td>2140</td> <td></td> </tr> <tr> <td>COUNCIL GROVE</td> <td>2424</td> <td></td> </tr> <tr> <td>TOPEKA</td> <td>3086</td> <td></td> </tr> <tr> <td>LANSING</td> <td>3602</td> <td></td> </tr> <tr> <td>MARMATON</td> <td>4188</td> <td></td> </tr> <tr> <td>MORROW</td> <td>4696</td> <td></td> </tr> <tr> <td>STE. GENEVIEVE</td> <td>5114</td> <td></td> </tr> <tr> <td>ST. LOUIS</td> <td>5220</td> <td></td> </tr> <tr> <td>SPERGEN</td> <td>5410</td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample	Name	Top	Datum	B/STONE CORRAL	1480		CHASE	2140		COUNCIL GROVE	2424		TOPEKA	3086		LANSING	3602		MARMATON	4188		MORROW	4696		STE. GENEVIEVE	5114		ST. LOUIS	5220		SPERGEN	5410	
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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	23.0	1478	P+ MIDCON 2/ P+	265/160	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8	5-1/2	15.5	5513	MIDCON/ VERSASET	140/160	2%CC, 1/4#SK FLC/ 5%KCL, 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 checked="" type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	5200	CLASS H	1	NEAT.

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
4	5240-5254, CIBP @ 5200'	1950 GAL 15% HCL.	5240-5254'
4	4504-4508,	800 GAL 15% HCL.	4504-4508'
4	4370-4380,	1500 GAL 15% HCL.	4370-4380'
4	4262-4268,	900 GAL 15% HCL.	4262-4268'
4	3942-3964,	2800 GAL 15% HCL.	3942-3964'

TUBING RECORD	Size 2-3/8	Set At	Packer At 4250'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. FIRST 11-15-96	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 TBG=811, CSG=1519	Water Bbls. TBG=6, CSG=0	Gas-Oil Ratio	Gravity
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Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf Dually Comp. Commingled

Production Interval: 3942-64' & 4262-4508' (OA)

DST Reports

USA Eagley "D" No. 2
660 FNL & 660 FEL
Sec. 2-33S-41W
Morton County, Kansas

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ORIGINAL

DST # 1

15-129-21450

Test Interval:	3950-3976
Initial Flow Period:	30 min.
Initial Shut In Period:	60 min.
Final Flow Period:	60 min.
Final Shut In Period:	120 min.

IHP	1918 psi	
IFP	287-320 psi	GTS in 2 Minutes/GV 1800 MCFD
ISIP	926 psi	
FF	256-336 psi	
FSIP	874 psi	
FHP	1726 psi	

Recovery: 100' GCDM.

DST # 2---Packer Failure

DST # 3

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Test Interval:	4257-4280
Initial Flow Period:	30 min.
Initial Shut In Period:	60 min.
Final Flow Period:	60 min.
Final Shut In Period:	120 min.

IHP	2144 psi	
IFP	224-256 psi	
ISIP	1054 psi	
FF	191-255 psi	
FSIP	1054 psi	GV 80 MCFD
FHP	2079 psi	

Recovery: 733' GCDM. Sampler: 1.79 Cu Ft of Gas, 200 psi.

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USA Eagley "D" No. 2
660 FNL & 660 FEL
Sec. 2-33S-41W
Morton County, Kansas

CONFIDENTIAL

ORIGINAL

DST # 4

Test Interval:	5540-5270
Initial Flow Period:	30 min.
Initial Shut In Period:	60 min.
Final Flow Period:	60 min.
Final Shut In Period:	120 min.

IHP	2725 psi	
IFP	16-32 psi	
ISIP	1118 psi	
FF	16-64 psi	
FSIP	1405 psi	
FHP	2693 psi	

Recovery: 95' DM. Sampler: 0 Cu Ft of Gas, 2240 cc DM. T=120 F.

DST # 5

Test Interval:	5335-5420
Initial Flow Period:	30 min.
Initial Shut In Period:	60 min.
Final Flow Period:	60 min.
Final Shut In Period:	120 min.

IHP	2651 psi	
IFP	124-155 psi	
ISIP	1245 psi	
FF	124-155 psi	
FSIP	1089 psi	
FHP	2651 psi	

Recovery: 140' GCDM, Tr. Oil.. Sampler: 0.008 Cu Ft of Gas, 2200 cc DM w/Tr. Oil., T=138 F, Pressure = 62 psi.

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COMMISSION

DEC 11 1998



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

MID CONTINENT
LIBERAL KS.

BILLED ON TICKET NO.

KCC
106720

WELL DATA
FIELD _____ SEC 2 TWP 33S RNG 41W 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 _____ MUD WT. _____
PACKER TYPE _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U		8 5/8	GL.		
LINEAR CSG	N	15.5	5 1/2	KB.		
TUBING						
OPEN HOLE			7 7/8			SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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ORIGINAL

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-24-96</u>	DATE <u>9-25-96</u>	DATE <u>9-25-96</u>	DATE <u>9-25-96</u>
TIME <u>2400</u>	TIME <u>0400</u>	TIME <u>1335</u>	TIME <u>1545</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLUAT COLLAR <u>INSERT</u>	<u>1</u>	<u>D</u>
FLUAT SHOE <u>FILLOD</u>	<u>1</u>	<u>O</u>
GUIDE SHOE <u>REGULAR</u>	<u>1</u>	<u>O</u>
CENTRALIZERS <u>S-4</u>	<u>20</u>	<u>W</u>
BOTTOM PLUG		
TOP PLUG <u>5W</u>	<u>1</u>	<u>C</u>
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R. CRIST</u>	<u>420045</u>	<u>LIBERAL Ks.</u>
<u>T. BROADFOOT</u>	<u>52947</u>	<u>"</u>
<u>S. TELFORD</u>	<u>50866</u>	<u>MORTON Ks.</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API
DISPL. FLUID _____ DENSITY _____ LB/GAL. API
PROP. TYPE _____ SIZE _____
PROP. TYPE _____ SIZE _____
ACID TYPE _____ GAL. _____ %
ACID TYPE _____ GAL. _____ %
ACID TYPE _____ GAL. _____ %
SURFACTANT TYPE _____ GAL. _____
NE AGENT TYPE _____ GAL. _____
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 _____

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DEPARTMENT CEMENT
DESCRIPTION OF JOB CEMENT 5 1/2 LONG STRING.
JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
CUSTOMER REPRESENTATIVE X O J. Stuck
HALLIBURTON OPERATOR Ron Crist COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>140</u>	<u>Prem + MIDCON</u>		<u>B</u>	<u>2% C.C. - 1/4" FLOCELE</u>	<u>2.01</u>	<u>12.8</u>
<u>1</u>	<u>160</u>	<u>Prem LKRSSET</u>		<u>B</u>	<u>.9% NEBSAET - 5% KCL - .75% HCA0322</u> <u>1/4" SK FLOCELE</u>	<u>1.41</u>	<u>14.5</u>
<u>2</u>	<u>25</u>	<u>P + MIDCON</u>	<u>MH-RH</u>	<u>B</u>	<u>2% C.C. - 1/4" FLOCELE</u>	<u>2.01</u>	<u>12.8</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 40 14 REASON SHOE JT

SUMMARY

VOLUMES
PRELUSH 8-10-8 GAL. TYPE #70-Super 7 Lush H-20
LOAD & BKDN: BBL.-GAL. _____ PAD BBL.-GAL. _____
TREATMENT: BBL.-GAL. _____ DISPL 130 GAL. _____
CEMENT SLURRY: 59 LC 40 TC GAL. _____
TOTAL VOLUME: BBL.-GAL. _____

REMARKS

M S D S ON 1 OCT.

CUSTOMER ANADARKO - Petroleum LEASE EAGLEY
WELL NO. A-2
JOB TYPE 5 1/2 LONG STRING DATE 9-25-96

JOB LOG HAL-2013-C

CUSTOMER ANADARKO PETR. CORP. WELL NO. D-2 LEASE EAGLEY JOB TYPE 5 1/2 LONG STRING TICKET NO. 106720-

CHART NO. TIME RATE (BPM) VOLUME (BBL) (GAL) PUMPS T C PRESSURE (PSI) TUBING CASING DESCRIPTION OF OPERATION AND MATERIALS

Table with columns: CHART NO., TIME, RATE (BPM), VOLUME (BBL) (GAL), PUMPS T C, PRESSURE (PSI) TUBING CASING, DESCRIPTION OF OPERATION AND MATERIALS. Rows include times from 2400 to 1547 and descriptions like 'CALLED OUT - READY 0430', 'LAY DOWN DRILL PIPE', 'START C 59 ORIGINAL', 'PUMP WATER', 'PUMP SUPER FLUSH', 'START LEAD CMT', 'SHUT DOWN DROP PLUG', 'BUMP PLUG FLOAT'.

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Thanks
Ron
L Jim

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WELL NAME AND NO. USA Eagley D-2
 LOCATION (LEGAL) Cor. 2-335-41w
 FIELD-POOL
 COUNTY/PARISH: Dunkle
 STATE: Ks.
 API. NO.

RIG NAME: Norseman #1
 WELL DATA: BIT SIZE 2 7/8, CSG/Liner Size 2 3/8, TOTAL 1493, WEIGHT 229, PROT CABLE FOOTAGE 1493, MUD TYPE 555, GRADE 8ed, MUD DENSITY 42, LESS FOOTAGE SHOE JOINT(S) 42, MUD VISC. 92.4, DISP. CAPACITY 92.4
 ORIGINAL TOTAL

NAME: Anadarko Petroleum Corp.
 AND:
 ADDRESS: CONFIDENTIAL
 ZIP CODE:

SPECIAL INSTRUCTIONS

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
 Float TYPE: Flsca + Float Valve, DEPTH: 1451
 SHOE TYPE: cm + nose, DEPTH: 1493

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE: 590 PSI, CASING WEIGHT - SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT: 1000 PSI, BUMP PLUG TO 1000 PSI
 ROTATE: RPM, RECIPROCATATE, FT, No. of Centralizers: 5

Head & Plugs: TBG, D.P., SQUEEZE JOB
 Double, SIZE, TOOL TYPE, DEPTH
 Single, WEIGHT, GRADE, TAIL PIPE: SIZE, DEPTH
 Swage, GRADE, THREAD, TUBING VOLUME, Bbls
 Knockoff, NEW, USED, CASING VOL. BELOW TOOL, Bbls
 DEPTH, TOTAL, Bbls
 ANNUAL VOLUME, Bbls

TIME	PRESSURE	VOLUME PUMPED BBL	JOB SCHEDULED FOR TIME	ARRIVE ON LOCATION TIME	LEFT LOCATION TIME
0001 to 2400	TBG OR D.P. CASING	INCREMENT CUM	INJECT RATE FLUID TYPE FLUID DENSITY	DATE 9-12-96	DATE 9-12-96

TIME	PRESSURE	VOLUME PUMPED BBL	JOB SCHEDULED FOR TIME	ARRIVE ON LOCATION TIME	LEFT LOCATION TIME	SERVICE LOG DETAIL
1129	2100		ASAP	9600	1330	PRE-JOB SAFETY MEETING + PSI test / RELEASED
1131	0	10	5'	470		START H2O ahead
1133	100	152	5'	cm 11'		START, load cm.
1148	140	87	5'	cm 11'		PSI check
1200	180	38	4	cm 14.8		START tail cm + FROM CONFIDENTIAL
1206	0					shut down dump to plug
1208	0	224	5.2	470		START displacement
1217	80	40	5.2	470		PSI check
1219	140	50	5.8			PSI check
1220	170	60	5.8			cm to surface
1222	240	70	5.8			PSI check
1224	310	82	2.4			LOWER RATE
1227	500	90	2.2			PSI check
1229	1000	93	2			bump top plug
1230						blood psi bt

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED	
						BBLs	DENSITY
1.	265	3.23	class C + 3% D79 + 3% cacth + 1/4 #1029			152.4	11.1
2.							
3.	160	1.34	class C + 2% cacth + 1/4 #1029			38.1	14.8
4.							
5.							
6.							

BREAKDOWN FLUID TYPE: HESITATION SQ., RUNNING SQ., CIRCULATION LOST, DENSITY, PRESSURE, MAX. 5 MIN. 22 Bbls.
 BREAKDOWN: PSI, FINAL, PSI, DISPLACEMENT VOL. 92.4 Bbls, TYPE OF WELL, STORAGE, BRINE WATER, WILDCAT
 Washed Thru Perfs: YES NO TO FT. MEASURED DISPLACEMENT, WIRELINE
 PERFORATIONS: TO TO
 CUSTOMER REPRESENTATIVE: Jo Stuck
 DS SUPERVISOR: James Escudal