

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 ENERGY SERVICES

Operator Contact Person: DAVID W. KAPPLER

Phone (316) 624-6253

Contractor: Name: NORSEMAN DRILLING

License: 3779

Wellsite Geologist: _____

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 PBTB

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

9-9-98 9-21-98 10-19-98

Spud Date Date Reached TD Completion Date

API NO. 15- 129-21568-00-00

County MORTON

160' E OF _____ E

C - S/2 - SE - NE Sec. 28 Twp. 33 Rge. 40 X W

2310 Feet from NX (circle one) Line of Section

500 Feet from EX (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE SE, NW or SW (circle one)

Lease Name LYNCH "R" Well # 2

Field Name WILDCAT

Producing Formation MORROW

Elevation: Ground 3319.3 KB _____

Total Depth 6250 PBTD 5690

Amount of Surface Pipe Set and Cemented at 1639 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3169 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Att. 12-7-98 U.C.

(Data must be collected from the Reserve Pit)

Chloride content 700 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

RECEIVED
STATE CORPORATION COMMISSION
Wichita, Kansas
NOV 19 1998

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 L. Marc Harvey
L. MARC HARVEY
Title DRILLING TECHNICAL ASSISTANT Date 11-17-98

Subscribed and sworn to before me this 17th day of November
19 98.

Notary Public Freda L. Hising

Date Commission Expires _____

FREDA L. HISING
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

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

ORIGINAL

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name LYNCH "B" Well # 2

Sec. 28 Twp. 33 Rge. 40 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 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: CBL-CCL-GR, DIL, ML, MSFL, CNL-LDT, LS SONIC.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
HERRINGTON	2370	
COUNCIL GROVE	2674	
WABAUNSEE	3100	
TOPEKA	3322	
TORONTO	3881	
LANSING	3944	
KANSAS CITY	4096	
MARMATON	4594	
CHEROKEE	5018	
MORROW	5310	
STE. GENEVIEVE	5806	
ST. LOUIS	5926	

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	1639	P+ MIDCON 2/ PREM PLUS	305/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	5850	50/50 POZ	160	.75% HALAD 322, 10% SALT, 1/4#SK FLC.
			PORT COLLAR @	3169	P+ MIDCON 2	75	3%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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
2	5700-5706, CIBP @ 5690.		ACID: 1000 GAL 7% HCL.	5700-5706
2	5624-5648.		ACID: 1800 GAL 7% HCL.	5624-5648

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	5686		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 10-29-98 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		210			

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 5624-5648



JOB LOG 4239-5

TICKET #	37011	TICKET DATE	
BDA / STATE	KS	COUNTY	OSAGE
PSL DEPARTMENT	ZONA PETROLEUM		
CUSTOMER REP / PHONE	JACK TOMAN		
API / UWI #	15-129-21568		
JOB PURPOSE CODE	010		

REGION	North America	NW/COUNTRY	MID CONTINENT
MBU ID / EMP #	LT 104 62573	EMPLOYEE NAME	John Woodrow
LOCATION	N. RILLA, KS	COMPANY	AMADARKS PETROLEUM
TICKET AMOUNT		WELL TYPE	02
WELL LOCATION	N. RILLA	DEPARTMENT	CEMENT
LEASE / WELL #	LYNCH - B-2	SEC / TWP / RNG	28-33S-90W

ORIGINAL

HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS
J. Woodrow 62573		G. Humphreys 119692					
S. GRANT 114639							
B. HUMPHRIES 116170							
R. FERGUSON 115602							

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1930							JOB READY
	1930							CALLED OUT FOR JOB
	1730							PUMP TRUCK ON LOCATION / RIG STILL DRILLING SHADE PRE JOB SITE ASSESSMENT MEETING / SPOT PUMP TRUCK / RIG UP
	1800							RIG THROUGH DRILLING / ON BOTTOM CIRCULATING
	1845							TRIP OUT DRILL PIPE
	2015							START RUNNING 8 5/8" CSG + FLT EQUIPMENT
	2220							CASING ON BOTTOM 1652'
	2228							HOOK UP 8 5/8" PIPE + CIRCULATING IRON
	2230							START CIRCULATING WITH RIG PUMP THROUGH CIRCULATING / HOOK UP TO PUMP TRUCK
	2254	7.5	158	✓		9/38		JOB PROCEDURE START MIXING LEAD CMT AT 11.4 ⁴⁹ GAL
	2320	6.0	24.0			70		MIX 100 SKS TAIL CMT AT 14.8 ⁴⁹ GAL
	2326		182	✓		0		THROUGH MIXING CMT / SHUT DOWN
	2343	6.0						RELEASE PLUG / START DISPLACING HAVE 85 BBLs OUT / SLOW RATE DOWN TO 2BPM LAST CIRCULATION /
	2348							HAVE 95 BBLs OUT / SLOW RATE DOWN TO 1BPM NO RETURNS /
	0000		106	✓		250 / 1700		PLUG DOWN / RELEASE FLOAT FLOAT HELD / DID NOT GET CMT RETURNS
	0015							ORDER OUT CEMENT & ONE INCH PIPE
	0200							CEMENT ON LOCATION / RUN 100' OF ONE INCH OUTSIDE SURFACE CSG
	0315	2	24.0	✓		250		MIX 100 SKS CMT AT 14.8 ⁴⁹ GAL CIRCULATED CMT TO SURFACE. ✓

CONSERVATION DIVISION
 MIDLAND, KANSAS
 STATE OPERATIONS DIVISION
 MIDLAND, TEXAS

THANK YOU FOR CALLING HALLIBURTON
 Woody + CREW



JOB SUMMARY 4239-1

TICKET #	384284	TICKET DATE	9-23-98
REGION	North America	NWA/COUNTRY	MidCon USA
MBU ID / EMP #	MCL10110 H3115	EMPLOYEE NAME	Nick Korbe
LOCATION	Liberal	COMPANY	Aradarko Pet. Corp
TICKET AMOUNT	\$9622.56	WELL TYPE	02
WELL LOCATION	NW of Roll	DEPARTMENT	Cement
LEASE / WELL #	Lynch B-2	SEC / TWP / RNG	28-33S-40W
BDA / STATE	Ks	COUNTY	Morton
PSL DEPARTMENT	Z1	CUSTOMER REP / PHONE	Jack Tuman
API / UWI #	15-129-21568	JOB PURPOSE CODE	035

HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS
N. Korbe H3115	8						
B. Tomlinson 51832	8						
D. Falk 30673	8						

ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
421270	110						
54219/75374	110						
52276/7647	35						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar insert	1	H
Float Shoe fillup	1	OUC
Guide Shoe	1	
Centralizers	9	C
Bottom Plug		
Top Plug 5-W	1	O
Head		
Packer		
Other		

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

DATE	CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	9-22-98	9-22-98	9-23-98	9-23-98
TIME	1730	2130	0200	0300

WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	5 1/2	0	5851	3000
Liner					
Liner					
Tbg/D.P.					
Tbg/D.P.					
Open Hole					SHOTS/FT.
Perforations					
Perforations					
Perforations					

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
9-22-98	2 1/2 hr	9-23-98	1 hr	035
9-23-98	5 1/2 hrs			
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED	Avail.	Used

AVERAGE RATES IN BPM

TREATED	Disp.	Overall

CEMENT LEFT IN PIPE

FEET 39 Reason shjt.

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
RMMA	25	Prem (H)	B	Neat	1.06	16.4
1	160	50% P12 (H)	B	10% Salt, 1.75% Haled-322, 1/4" Floccle	1.28	14.4

Circulating Breakdown	Displacement Maximum	Preflush:	Gal - BBI	Type
Average	Frac Gradient	Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Shut In: Instant	5 Min 15 Min	Treatment	Gal - BBI	Disp: BBI - Gal 138
		Cement Slurr	Gal - BBI	
		Total Volume	Gal - BBI	

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE

J. Tuman



JOB LOG 4239-5

REGION North America	NW/COUNTRY MidCon USA	TICKET # 384284	TICKET DATE 9-23-93
MBU ID / EMP # MCL10110 H3115	EMPLOYEE NAME Nick Korbe	BDA / STATE Ks	COUNTY Morton
LOCATION Liberal	COMPANY Anadarko Pet. Corp.	PSL DEPARTMENT Z 1-	
TICKET AMOUNT \$ 7622.56	WELL TYPE 02	CUSTOMER REP / PHONE Jack Tunno	
WELL LOCATION NW of Ralla	DEPARTMENT Cement	API / UWI # 15-129-21568	
LEASE / WELL # Lynch B-2	SEC / TWP / RNG 28-335-40W	JOB PURPOSE CODE 035	

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
N. Korbe H3115	8						
B. Tardif J1832	8						
D. Fulk J0763	8						

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psl)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1730							called out
	2130							on loc Hold safety mtg set up Trks
	2300							St. F.F.
	0135							Drop Bull
	0140							Break circ Port Callan @ 3/69'
	0155	2	3/2					Slot 3/4" wide - 6 1/2" long
	0210							Plug RH + MH
	0223	5	0			300		Mix S.F.
	0224	5	8/0			300		st wtr
	0226	5	10/0			300		st wtr
	0227	6	8/0			300		st cmt 160 cks 50% Per 14.4"
	0233		36			0		End cmt
	0235							wash pump & line
	0236							rel plug
	0237	7	0			150		st disp
	0255	7	11.3			250		catch cmt
	0301	2	13.8			525		Bump plug
	0302	1	13.9			3000		press csg
								Release pres
								float held
								rack up Trk
								wash up Trk
								Job complete
								Thank you
								Nick, Bryan, Dusty

CONSERVATION DIVISION
 Wichita Kansas
 11/19/93



HALLIBURTON

JOB LOG

ORDER NO. 70008

TICKET #	392207	TICKET DATE	10-13-98
BOA/STATE	KANSAS	COUNTY	STEUBENS
PSL DEPARTMENT	Liberal Tool		
CUSTOMER REF / PHONE	T-2000		
API / UWI #	15-129-21568		
JOB PURPOSE CODE	192		

MPD / EMP #	EMPLOY
LOCATION	COMPAN
TICKET AMOUNT	WELL TYPE
WELL LOCATION	DEPARTMENT
LEASE WELL	REGISTRATION

HE#	EMP NAME/EMP#	(EXPOSURE HOURS)	HRS	HE#	EMP NAME/EMP#	(EXPOSURE HOURS)	HRS	HE#	EMP NAME/EMP#	(EXPOSURE HOURS)	HRS	HE#	EMP NAME/EMP#	(EXPOSURE HOURS)	HRS

TIME	RATE	VOLUME	UNIT	DESCRIPTION	REMARKS
1300				Called out	
1400				on loc	
1520				Start Tools	
1700	4	80	X	1000	TEST ANNUL CAS.
1725					Open Collar
1746	3	20	X	380	Break Circ - W.O.W. (Delca)
1755	4		X	500	Mix Col. + Disp (75exs)
1815					Close Collar
1815				1000	Test Annul
1825	9				Run 62' tubing
1835	3	15			Shut down
1835					1000 Hr. w/ Tools
1840					Load
1845					Leave

ORIGINAL

CONSERVATION DIVISION
 Wichita, Kansas
 NOV 19 1998
 STATE CORPORATION COMMISSION
 ATTORNEY GENERAL