

FORM MUST BE TYPED

ORIGINAL

CONFIDENTIAL
SIDE ONE

RELEASED

APR 09 1999

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

API NO. 15- 175-21691-00-00

County SEWARD FROM CONFIDENTIAL

- C - SW - NW Sec. 3 Twp. 33 Rge. 32 X W

Operator: License # 4549

1980 Feet from NX (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

660 Feet from X W (circle one) Line of Section

Address P. O. BOX 351

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

City/State/Zip LIBERAL, KANSAS 67905-0351

Lease Name MALIN "B" Well # 1

Purchaser: KN GATHERING

Field Name FEDDER SW

Operator Contact Person: DAVID W. KAPPLE

Producing Formation MORROW

Phone (316) 624-6253

Elevation: Ground 2802.4 KB

Contractor: Name: CHEYENNE DRILLING

Total Depth 6160 PBDT 5875

License: 5382

Amount of Surface Pipe Set and Cemented at 1627 Feet

Wellsite Geologist:

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion

If yes, show depth set Feet

X New Well Re-Entry Workover

If Alternate II completion, cement circulated from

Oil SWD SIOW Temp. Abd.

feet depth to w/ sx cmt.

X Gas ENHR SIGW

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

Drilling Fluid Management Plan ALT 1 97 6-12-98
(Data must be collected from the Reserve Ppt)

If Workover:

Chloride content 1300 ppm Fluid volume 700 bbls

Operator:

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Well Name:

Comp. Date Old Total Depth

Location of fluid disposal if hauled offsite: KOC

Deepening Re-perf. Conv. to Inj/SWD

Plug Back ENHR PBDT

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

Operator Name

Lease Name License No.

12-22-97 1-6-98 1-23-98

Quarter Sec. Twp. S Rng. E/W

Spud Date Date Reached TD Completion Date

County Docket No.

MAR 26
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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

Title DRILLING TECHNICAL ASSISTANT Date 3-26-98

Subscribed and sworn to before me this 26th day of March 19 98.

Notary Public Freda L. Hinz

Date Commission Expires

FREDA L. HINZ
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
STATE OF KANSAS Distribution DIVISION
KCC SWD/Rep NGPA
KGS Plug Other
MAR 27 1999
(Specify)

ORIGINAL

Operator Name ANADARKO PETROLEUM CORPORATION

Lease Name MALIN "B"

Well # 1

Sec. 3 Twp. 33 Rge. 32

East

County SEWARD

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 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: SBT-CCL-GR, DIL, CNL-LDT-ML, DIPLOG.
DST REPORT ATTACHED.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
CHASE	2610	
COUNCIL GROVE	2944	
HEEBNER	4232	
TORONTO	4270	
LANSING	4388	
MARMATON	5040	
CHEROKEE	5220	
MORROW	5540	
CHESTER	5684	
STE. GENEVIEVE	5890	
ST. LOUIS	6002	

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UNTIL 3-26-99

CASING RECORD

New 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	1627	P+ MIDCON 2/P+	310/100	3%CC, 1/4%SK FLC/2%CC, 1/4%SK FLC.
PRODUCTION	7/7/8"	5-1/2"	15.5	5915	VERSASET.	125	.6% HALAD 322, 5% KCL, .9% VERSASET, 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
4	5652-5674.	ACID: 3000 GAL FOAMED 7% FeMCA	5652-5674

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj.	Producing Method
2/20/98	<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.	Gas-Oil Ratio	Gravity
		1089			

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

Open Hole Perf. Dually Comp. Commingled

Other (Specify)

5652-5674

TICKET #	1314790	TICKET DATE	12-23-07
REGION	North America	NWA/COUNTRY	
BDA / STATE	VA	COUNTY	Stafford
PSL DEPARTMENT	5011	RELEASED	
API / UWI #		APR 9 9 2009	

MBU ID / EMP #	L1002	EMPLOYEE NAME	John ...
LOCATION	Liberal VA	COMPANY	Halliburton Production Company
TICKET AMOUNT		WELL TYPE	
WELL LOCATION	WFE ...	DEPARTMENT	
LEASE / WELL #	P-1 ...	SEC / TWP / RNG	

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

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				LT	CT	Tbg	Csg	
	1430							Time Collected
	1800							Time Rec'd
	1730							Time on site
	1800							1514 P/L Dilled. Sump Pump went Bad. Rig Come out of Hole w/O.P.
0845								Start Pump Casing
								Casing in Hole
0845								Hookup To Circulate Casing
0855								Circulate Casing w/Dr. Pump
0857								Circulate MUD to Gravel Level
0910								Hookup To Pump Truck
0915								Start MUD Cement
0947			117.77					Start Tail Cement
0946			73.50					Finish MUD Cement
0947			261.77					Shot Cond
0948						150		Start Displacement
1015			101.97			380/400		Plug Down
								Float Hold.
								30 BBL Circulate Cement To P.T
								52 sec
								Wash Pumps & Lines
								Thank For Colling
								Halliburton
								Don't Forget to
								Have a Merry Christmas Day

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STATION ... MISSION

MAR 27



JOB LOG 4239-5

REGION: North America		NWA/COUNTRY: U.S.A.		TICKET #: 234528	TICKET DATE: 1-8-98
MBU ID / EMP #: L10103 D-4360		EMPLOYEE NAME: ROBERT EDWOOD		BDA / STATE: KANSAS	COUNTY: SEWARD
LOCATION: LIBERAL KS		COMPANY: ANADARKO		PSL DEPARTMENT: 5001	
TICKET AMOUNT: \$9872.47		WELL TYPE: A1		CUSTOMER REP / PHONE: STEVE REDENBUR	
WELL LOCATION: N. LIBERAL KS		DEPARTMENT: 5001		API / UWI: RELEASED	
LEASE / WELL #: MALIN B-1		SEC / TWP / RNG: 3 33-S. 32-W.		JOB PURPOSE CODE: 035	APR 09 1999

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
R. Edwood D-4360			
J. D. TART H-2616			
S. PARRIS H-3357			
D. COOPER H-2441			

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1530							CALLER OUT
	1730							ON LOC RIG LAYING DOWN DRILL COLLARS
	2010							Rig up CASING
	2030							START CASING
	2320							CASING ON BOTTOM
	2340							Circulate with Rig
	0100							Plug RAT Hole
	0110							Plug Abuse Hole
	0120							Hook to Halliburton
	122	3.25	26			200		START PRESHIP (200's) @ 10.5 Sgpm, 200' @ 14.5 Sgpm
	1130	3.0	31.39			50		START CUT @ 14.5 Sgpm
	141					400		SHOT DOWN
	144					1100		Drop Sucker Top Plug / Wash to Pt
	147	6.5	130			1100		START HOP DISINTEGRATE
	207	2	9.7			500		Slow Rate
	210					3000		Plug Down Pressure Casing to 3,000 PSI
	214					0		Release Back Flow Indicator
	215					0		Job Complete

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THANK YOU FOR CALLING
 HALLIBURTON
 ROBERT & COLIN

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APR 09 1999

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TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

15-175-21691

No 10813

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Test Ticket

RELEASED

Well Name & No. Malin "B-1" Test No. 1 Date 1-4-98
 Company Aschoka Pet. Corp. APR 09 1999 Zone Tested Marion
 Address Liberal KS Elevation 2815 KB 2802 GL
 Co. Rep / Geo. Jan Eisenhauer FROM CONFIDENTIAL Cont. Cheyenne Rig 7 Est. Ft. of Pay 20 Por. 15 %
 Location: Sec. 3 Twp. 33S Rge. 32W Co. Seward State KS
 No. of Copies Reg Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) _____

Interval Tested 5649-5675 Initial Str Wt./Lbs. 114,000 Unseated Str Wt./Lbs. 114,000
 Anchor Length 26 Wt. Set Lbs. 24,000 Wt. Pulled Loose/Lbs. 25,000
 Top Packer Depth 5644 Tool Weight 1,800
shale Bottom Packer Depth 5649 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5675 Wt. Pipe Run _____ Drill Collar Run 699
 Mud Wt. 9.0 LCM 5# Vis. 54 WL 8.8 Drill Pipe Size 4 1/2 x H Ft. Run 4951 32' up
 Blow Description Strong OBB Immediately. GTS in 11 min. See Flow Chart TFP
No Blowback TSTP
See Flow Chart FFP

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
<u>15</u>	<u>5,635</u>	<u>15</u>	—			<u>100</u>	
Rec. <u>15</u> Feet Of <u>1700</u>							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							

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BHT 114 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW 0.80 @ 59 °F Chlorides 8,800 ppm Recovery Chlorides 3,400 ppm System
 (A) Initial Hydrostatic Mud 2817 / 2799 PSI Recorder No. 3017 "08:22" T-Started 8:45 AM
 (B) First Initial Flow Pressure 56 / 444 PSI (depth) 5651 T-Open 10:50 AM
 (C) First Final Flow Pressure 239 / 277 PSI Recorder No. 13630 T-Pulled 3:20 PM
 (D) Initial Shut-in Pressure 1821 / 1839 PSI (depth) 5672 T-Out 8:00 P.M.
 (E) Second Initial Flow Pressure 289 / 267 PSI Recorder No. _____
 (F) Second Final Flow Pressure 348 / 362 PSI (depth) _____
 (G) Final Shut-in Pressure 1821 / 1825 PSI Initial Opening 30 Test
 (H) Final Hydrostatic Mud 2709 / 2744 PSI Initial Shut-in 60 Jars
 Final Flow 60 Safety Joint
 Final Shut-in 120VED Straddle _____
 Circ. Sub
 Sampler
 Packer
 Elect. Rec
 Other _____

10480822.017
 TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Edwin J. Greer
 CONSERVATION DIVISION
 Wichita, Kansas

ORIGINAL

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

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FLUID SAMPLER DATA

RELEASED

Ticket No. 10813 Date 1-4-98 APR 09 1999

Company Name Anadarko FROM CONFIDENTIAL

Lease Malin "B-1" Test No. 1

County Seward KS. Sec. 3 Twp. 33S Rng. 32W

Total Volume 5000 ML. SAMPLER RECOVERY

PIT MUD ANALYSIS

Gas 18.5 Cubic Ft. ML
Oil — ML
Mud — ML
Water — ML
Other — ML
Pressure 1250 PSI
Total Vol. Rec. 0 ML

Chlorides 3,400 ppm.
Resistivity 2.1 ohms @ 58° F
Viscosity 54 KCC
Mud Weight 9.0
Filtrate 8.8
Other 5# L.C.M.

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SAMPLER ANALYSIS

PIPE RECOVERY

Resistivity — ohms @ — F
Chlorides — ppm.
Gravity — corrected @ 60 F

TOP
Resistivity — ohms @ — F
Chlorides — ppm.

MIDDLE
Resistivity — ohms @ — F
Chlorides — ppm.

BOTTOM
Resistivity 0.80 ohms @ 59 F
Chlorides 8,800 ppm.

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