

FORM MUST BE TYPED

SIDE ONE

COPY *gnd*

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

Operator: License # 4549Name: ANADARKO PETROLEUM CORPORATIONAddress P. O. BOX 351City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: _____

Operator Contact Person: SHAWN D. YOUNGPhone (316) 624-6253Contractor: Name: NALicense: NASite Geologist: NA

Designate Type of Completion

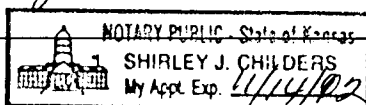
 New Well Re-Entry X Workover X Oil SWD SLOW Temp. Abd. Gas ENHR SIGW Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: ANADARKO PETROLEUM CORPORATIONWell Name: J.M. HICKMAN # 1-3Comp. Date 2-28-84 Old Total Depth 5663 Deepening X Re-perf. Conv. to Inj/SWD X Plug Back 4570 PBDT Commingled Docket No. Dual Completion Docket No. Other (SWD or Inj?) Docket No. 11-6-98 -- 11-18-98Spud Date Date Reached TD Completion Date API NO. 15- 175-20663-0001County SEWARD - - SE - SE Sec. 3 Twp. 32 Rge. 34 X W 660 Feet from (S) X (circle one) Line of Section660 Feet from (E) X (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)Lease Name J.M. HICKMAN Well # 1-3Field Name SILVERMANProducing Formation U. LANSINGElevation: Ground 2849 KB --Total Depth 5663 PBDT 4570Amount of Surface Pipe Set and Cemented at 1800 FeetMultiple Stage Cementing Collar Used? Yes X NoIf yes, show depth set FeetIf Alternate II completion, cement circulated from feet depth to w/ sx cmt.Drilling Fluid Management Plan OWSD, 1-29-99 U.C.
(Data must be collected from the Reserve Pit)
NOT APPLICABLEChloride content ppm Fluid volume bblsDewatering method used Location of fluid disposal if hauled offsite: Operator Name Lease Name License No. Quarter Sec. Twp. S Rng. E/WCounty Docket No.

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 Shawn D. YoungTitle DIVISION PRODUCTION ENGINEER Date 1/12/99Subscribed and sworn to before me this 12th day of January19 99Notary Public Shirley J. ChildersDate Commission Expires 

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

 X KCC SWD/Rep NGPA
 KGS Plug Other IS (Specify)

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name J.M. HICKMAN Well # 1-3Sec. 3 Twp. 32 Rge. 34 ☐ East ☒ West County SEWARD

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 ☒ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☐ Yes ☒ No
(Submit Copy.)

List All E.Logs Run:

☒ Log Formation (Top), Depth and Datums ☐ Sample
Name Top Datum

SEE ATTACHED ORIGINAL ACO-1

** Original Completion

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	13-1/2"	8-5/8"	24.0	1800	CLASS H/ CLASS H	635/ 430	12% SALT, 3% CaCl ₂ / 3% CaCl ₂
** PRODUCTION	8-3/8"	5-1/2"	15.5	5630	50/50 POZ.	485	4% GEL, .75% CFR
LINEAR		4-1/2"	11.6	5713	50/50 POZ	500	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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	4822-4838(MARMATON), 4603-4608, 4612-4634(LANSING), 4660-4680(LANSING), 4398-4402(U. LANSING)	ACID W/ 4000 GAL 15% FeHCl	4822-4838
	CIBP @ 4920, 4800, 4570		
TUBING RECORD	Size Set At Packer At	Liner Run ☐ Yes ☒ No	
Date of First, Resumed Production, SWD or Inj. SHUT IN	Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity		

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled 4398-4402
☐ Other (Specify) _____

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name..... J. . Hickman Ut. Well #..... 1

Sec. 3 Twp. 32S Rge. 34 ☐ East ☒ West County..... Seward.....

ORIGINAL

WELL LOG

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
 Samples Sent to Geological Survey ☒ Yes ☐ No
 Cores Taken ☐ Yes ☒ No

Formation Description
☒ Log ☐ Sample

Name	Top	Bottom
Chase	2536	
Council Grove	2863	
Heebner	4023	
Lansing	4148	
Marmaton	4791	
Morrow Shale	5334	

RECEIVED
 STATE COMMISSION

JAN 15 1999

CONSERVATION DIVISION
 Wichita, Kansas

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	13 1/2"	9 5/8"	36#	1800'	Class H	635	12% salt 3% CaCl ₂
Production	8 3/4"	5 1/2"	15.5#	4999' 8185'	Class H 50/50 Poz 485	430 500	3% CaCl ₂ 4% salt 7% CFR
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated			Depth			
2	5511-5513			HAWCO ACIDIZED w/400 gal			
2	5525-5535			15% + 5 gals. HAI - 55.5 gal			
2	5578-5590			15% + 5 gal			
2	5561-5590						
TUBING RECORD				Liner Run ☐ Yes ☒ No			
Size	Set At	Packer at					
2 7/8"	5466'	5588'					
Date of First Production	Producing Method ☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
	526.4 Bbls	1187.5 MCF	2256 Bbls			CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented
☒ Sold
☐ Used on Lease

☒ Open Hole ☐ Perforation
☐ Other (Specify)

See page.....

☐ Dually Completed
☐ Commingled