

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

ORIGINAL

Operator: License # 4549

Name: Anadarko Petroleum Corporation

Address P. O. Box 351

City/State/Zip Liberal, KS 67905-0351

Purchaser: Centana Energy

Operator Contact Person: J. L. Ashton

Phone (316) 624-6253

Contractor: Name: NA

License: NA

Wellsite Geologist: NA

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/Re-Entry: old well info as follows:

Operator: Anadarko Petroleum Corporation

Well Name: McHargue "A" No. 3

Comp. Date 7-2-85 Old Total Depth 6271

Deepening Re-perf. Conv. to Inj/SWD

Plug Back 5750 PSTD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

NA NA 2-11-93

Spud Date NA Date Reached TD NA Completion Date 2-11-93

API NO. 15- 175-20,856 0001

County Seward

E
C - SW - SE - 2 Sec. 2 Twp. 33S Rge. 34 X W

660 Feet from (S)N (circle one) Line of Section

1980 Feet from (E)W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE, (SE) NW or SW (circle one)

Lease Name McHargue "A" Well # 3

Field Name Shuck

Producing Formation Upper Morrow

Elevation: Ground 2848 KB 2864

Total Depth 6271 PSTD 5750

Amount of Surface Pipe Set and Cemented at 1598 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 3-25-93

(Data must be collected from the Reserve Pit)

Not Applicable

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal site: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter SE S Rng. _____ E/W _____

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 Beverly J. Williams

Beverly J. Williams

Title Engineering Technician Date 2-25-93

Subscribed and sworn to before me this 25th day of February, 19 93.

Notary Public Cheryl Steers

Date Commission Expires _____



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SUD/Rep NGPA
 XGS Plug Other (Specify) _____

Operator Name Anadarko Petroleum Corporation Lease Name McHargue "A" Well # 3

Sec. 2 Twp. 33S Rge. 34 East West County Seward

ORIGINAL

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Submit Copy.) List All E.Logs Run:	<input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample Formation (Top), Depth and Datum <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Datum</th> </tr> </thead> <tbody> <tr><td>Chase</td><td>2535</td><td></td></tr> <tr><td>Council Grove</td><td>2888</td><td></td></tr> <tr><td>Toronto</td><td>4186</td><td></td></tr> <tr><td>Lansing</td><td>4309</td><td></td></tr> <tr><td>Kansas City</td><td>4609</td><td></td></tr> <tr><td>Marmaton</td><td>4984</td><td></td></tr> <tr><td>Cherokee</td><td>5138</td><td></td></tr> <tr><td>Morrow</td><td>5548</td><td></td></tr> <tr><td>Chester</td><td>5790</td><td></td></tr> <tr><td>Ste. Genevieve</td><td>6076</td><td></td></tr> <tr><td>St. Louis</td><td>6132</td><td></td></tr> <tr><td>LTD</td><td>6264</td><td></td></tr> </tbody> </table>	Name	Top	Datum	Chase	2535		Council Grove	2888		Toronto	4186		Lansing	4309		Kansas City	4609		Marmaton	4984		Cherokee	5138		Morrow	5548		Chester	5790		Ste. Genevieve	6076		St. Louis	6132		LTD	6264	
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LTD	6264																																							

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	24#	1598	Pozmix & Common	600 200	2% cc 2% cc
Production	7 7/8	5 1/2	15.5#	6270	Litewate 50/50 Poz	50 275	10% Salt

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate	Top Bottom			
<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	CIBP @ 5750 5590-5600	A/500 gal methanol & 2200 gal 5590-5600 7.5% MCA + 50 BS.

TUBING RECORD	Size 2 3/8	Set At 5560	Packer At 5560	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumed Production, SWD or Inj. 1-29-93		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 Mcfd	Water Bbls.	Gas-Oil Ratio	Gravity
	-		1383	3	-	-

Disposition of Gas: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify)	Production Interval 5590-5600
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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
GAS: CENTANA ENERGY

Purchaser: OIL: NAT'L CO-OP REFINERY (NCRA)

Operator Contact Person: J. L. ASHTON

Phone (316) 624-6253

Contractor: Name: NA

License: NA

Wellsite Geologist: NA

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: ANADARKO PETROLEUM CORPORATION

Well Name: MCHARGUE "A" NO 3

Comp. Date 7/02/85 Old Total Depth 6271'

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back 6227' PBTD
 Commingled Docket No. CO 10955
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

11/14/95 NA 1/01/96
Spud Date Date Reached TD Completion Date

API No. 15- 175-20,856-0002

County SEWARD

- C - SW - SE Sec. 2 Twp. 33S Rge. 34 X E W

660 Feet from (S)N (circle one) Line of Section

1980 Feet from (E)W (circle one) Line of Section

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

Lease Name MCHARGUE "A" Well # 3

Field Name SHUCK

Producing Formation UPPER MORROW & ST. LOUIS

Elevation: Ground 2848' KB --

Total Depth 6271' PBTD 6227'

Amount of Surface Pipe Set and Cemented at 1598 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 5-8-96
(Data must be collected from the Reserve Pit) LC
NOT APPLICABLE

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

RECEIVED
KANSAS CORP DIV
FEB - 2 11 07

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 John M. Dolan
JOHN M. DOLAN
Title SENIOR TECHNICAL ASSISTANT Date 1/30/96

Subscribed and sworn to before me this 30th day of January
19 96.

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

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

JAN 1970

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name McHARGUE "A" Well # 3
 Sec. 2 Twp. 33S Rge. 34 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:

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Name	Top	Datum
CHASE	2535	
COUNCIL GROVE	2888	
TORONTO	4186	
LANSING	4309	
KANSAS CITY	4609	
MARMATON	4984	
CHEROKEE	5138	
MORROW	5548	
CHESTER	5790	
STE. GENEVIEVE	6076	
ST. LOUIS	6132	
LTD	6264	

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used ** ORIGINAL COMPLETION							
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"	24.0	1598'	POZMIX/COMMON	600/200	2%CC/2%CC
** PRODUCTION	7-7/8 "	5-1/2"	15.5	6270'	LITE 50/50 POZ	50/275	10% SALT

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
	D.O. CIBP @ 5750' & C.O. TO 6227' (NEW PBTD)	
	NOTE: EXISTING CIBP @ 6230'	
	ST. LOUIS PERFS (6158-6175) RE-EXPOSED TO	
	WELL BORE.	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		2-3/8"	6180'	--				
Date of First, Resumed Production, SWD or Inj.		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
11/27/95								
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	10		150		56		15000	--

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: 5590-5600 & 6158-6175