

COPY

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

Operator: License # 6549Name: ANADARKO PETROLEUM CORPORATIONAddress P. O. BOX 351City/State/Zip LIBERAL, KANSAS 67905-0351Purchaser: NATIONAL COOPERATIVE REFINERY ASSOCIATIONOperator Contact Person: DAVID W. KAPPLEPhone (316) 624-6253Contractor: Name: CHEYENNE DRILLINGLicense: 5382

Wellsite Geologist: _____

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: MCHARGUE "A" NO. 3Comp. Date 1/1/96 Old Total Depth 6271

 XXX Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTD

 Commingled Docket No. _____ Dual Completion Docket No. _____ X Other (SWD or Inj?) Docket No. _____ HORIZONTAL WELLBORE ORDER #194,779-C (C-28,028) 3-11-97 3-31-97 5-17-97

 Date of START Date Reached TD Completion Date of
OF WORKOVER OF WORKOVER

API NO. 15- 175-208560103County SEWARD - C - SW - SE Sec. 2 Twp. 33 Rge. 34 E
 X W SHL: 660 Feet from X/S (circle one) Line of SectionSHL: 1980 Feet from E/X (circle one) Line of Section

BHL IS: 1315 FSL & 1907 FEL.

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name MCHARGUE "A" Well # 3Field Name SHUCKProducing Formation ST. LOUISElevation: Ground 2848 KB _____Total Depth 6731 (KB), 6718 (GL) PBTD 6701 (GL)Amount of Surface Pipe Set and Cemented at 1598 FeetMultiple Stage Cementing Collar Used? Yes X 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 97 12-22-97
(Data must be collected from the Reserve Pit)Chloride content 24000 ppm Fluid volume 700 bblsDewatering 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/WCounty _____ Docket No. 5

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 HarveyTitle DRILLING TECHNICAL ASSISTANT Date 6-11-97Subscribed and sworn to before me this 11th day of June97Notary Public Freda L. Hinz

Date Commission Expires _____

FREDA L. HINZ
Notary Public - State of Kansas
My Appl. Expires 5-15-99

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
 ✓ **BOTTOMHOLE DIRECTIONAL SURVEY**
Distribution
 ✓ KCC SWD/Rep NGPA
 KGS Plug Other IS
(Specify)

31441

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name MCHARGUE "A" Well # 3Sec. 2 Twp. 33S Rge. 34
☐ East
☒ WestCounty 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: NO NEW LOGS RUN.

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

Name	Top	Datum
LOG TOPS FROM OLD VERTICAL WELLBORE.		
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	

* 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	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 POZMIX	50/275	10% SALT
EXTERNAL LINER	4 3/4"	3-1/2"	9.3	5771-6300	CLASS H	50	.8% HALAD 322, .1% FWCA-8, .1% HR-5.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate	5590-5600 SQZ.	CLASS H	50	.6% HALAD 322.
___ Protect Casing	5590-5600 RE-SQZ.	CLASS H	50	NONE.
<u>X</u> Plug Back TD	5932-6162 PB	CLASS H	35	3/4% CFR-3.
<u>X</u> Plug Off Zone	5866-6041 RE-PB.	CLASS H	50	3/4% CFR-3, 1%CC.

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	
	CIRP SET @ 5875. SQZ PERFS: 5590-5600 SET WHIPSTOCK PLUG AND DRILL WINDOW. (PB & RE-PB). DRILL TO 6718. SET EXTERNAL LINER 5711-6300. 17' OF JUNK LEFT IN HOLE: 6701-6718. 6300-6701, (MD FORM GL)		ACID: 4000 GAL 15% FeHCl. 6300-6701 (OH)	
TUBING RECORD	Size 2 3/8	Set At 5734	Packer At	Liner Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 5-17-97		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil 80 Bbls.	Gas 0 Mcf	Water 0 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☐ Other (Specify)

6300-6701 (OH)