

ORIGINAL

129-21,153-0000

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

API NO. 15- _____

County Morton

-N/2 Sec. 30 Twp. 34S Rge. 41 ^E_W

1250 Feet from S(N)(circle one) Line of Section

2555 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 Cyr "A" Well # 1

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3497.5 KB NA

Total Depth 2245 PBD 2241

Amount of Surface Pipe Set and Cemented at 1414 Feet

Multiple 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 DLT 2-28-93
(Data must be collected from the Reserve Pit)

Chloride content 10,000 ppm Fluid Volume 100 bbls

Dewatering method used Natural Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

Operator: License # 4549

Name: Anadarko Petroleum Corporation

Address P. O. Box 351

City/State/Zip Liberal, KS 67905-0351

Purchaser: To Be Determined

Operator Contact Person: J. L. Ashton

Phone (316) 624-6253

Contractor: Name: Gabbert-Jones, Inc.

License: 5842

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: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back _____ PBD

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) _____ Docket No. _____

11-18-92 11-22-92 2-2-93

Spud Date Date Reached TD Completion Date

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
Title Technical Assistant Date 4-15-93

Subscribed and sworn to before me this 15th day of April, 19 93.

Notary Public Cheryl Steers

Date Commission Expires _____

CHERYL STEERS
My Appt. Expires 6-1-93

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep MGPA
 KGS Plug Other (Specify)

Operator Name Anadarko Petroleum Corporation

Lease Name Cyr "A"

Well # 1

Sec. 30 Twp. 34S Rge. 41
 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:

Name	Top	Datum
B. Cimarron Anhydrite	1422	
T. Wellington Anhydrite	1892	
T. Herrington	2106	
T. Krider	2130	
T. Odell Shale	2169	

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	1414	Pozmix & Common	700	2% cc 4% gel 2% cc
Production	7 7/8	5 1/2	15.50	2244	Pozmix & Class "H"	75	1#/sx flocele 10% salt, 1#/sx flocele 5#/sx gilsonite

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	2130-2146	Brk dwn w/4000 gal 2% KCL wtr & additives, 80 BS. Frac w/44,500 gal 35# Linear gel, 67,000# 10/20 sd.	2130-2146

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8	2126		

Date of First, Resumed Production, SWD or Inj. SI Waiting on Pipeline Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas TSTM Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	-		60	-	-

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 2130-2146



INVOICE

REMIT TO: ORIGINAL P O BOX 201556 HOUSTON TX 77216

INVOICE DATE

0312

556028 ANADARKO PETROLEUM CORP DOX 351 LIBERAL KS 67901

PAGE 1

INVOICE NUMBER 93-12-4683

TYPE SERVICE CEMENTING CEMENT SURFACE C

Table with columns: WELL NAME / JOB SITE, STATE, COUNTY / CITY, SERVICE FROM LOCATION, SHIPPED VIA, CUSTOMER P.O. NO./REF. Location: WYR A-1, KS, HORTON, ULYSSES, DS, SEC 39-34S-41W, DATE: 11/19/92, REPRESENTATIVE: JIM BARLOW

Main item table with columns: ITEM CODE, DESCRIPTION, UOM, QTY, UNIT PRICE, AMOUNT. Includes items like HILEAGE, PACR TREAT ANALYSIS RECORDER, CSNG CMNT, etc.

SUB TOTAL -- 4,995.71

STATE TAX ON 3,687.38 180.69 LOCAL TAX ON 3,687.38 36.87

AMOUNT DUE -- 5,293.27

Handwritten signature: Jim Barlow

Handwritten: 2146-2041 KA

Handwritten: 12-1-92

RECEIVED KANSAS CORPORATION COMMISSION APR 21 1993 CONSERVATION DIVISION WICHITA, KS

WITH QUESTIONS CALL 316-356-1272 FEDERAL TAX ID # 38-239-7173 TERMS -- NET 30 DAYS DUE ON OR BEFORE DEC 19, 1992

THANK YOU. WE APPRECIATE YOUR BUSINESS. J. B. Watson T/B WATSON



REMIT TO: P O BOX 201556 HOUSTON TX 77216

INVOICE

0312

ORIGINAL

INVOICE DATE
11/30/92

556028
ANADARKO PETROLEUM CORP
PO BOX 351
LIBERAL KS 67901

PAGE
1
INVOICE NUMBER
03-12-4897

TYPE SERVICE
CEMENTING CEMENT PRODUCTIO

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
WYVA	KS	HORTON	ULYSSES	DS	
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
SEC 30-748-41W			11/25/92	JOHN SCHILLING	

ITEM CODE	DESCRIPTION	UOM	QTY	UNIT PRICE	AMOUNT
102871025	CSHG CHNT 2001-2500' 1ST HR	HR	1	1,160.0000	1,160.00
059697000	PACK TREAT ANALYSIS RECORDER	JOB	1	140.0000	140.00
059200002	HILEAGE, ALL OTHER EQUIPMENT	HI	40	2.6500	106.00
049100000	SERVICE CHG CEMENT MATL LAND	CFT	142	1.2000	170.40
049102000	TRANSPORTATION CHNT TOH HILE	HI	87	.8800	76.56
040015000	D909. CEMENT CLASS H	CFT	40	7.4700	306.27
045008000	D35. LITEPUZ 3 EXTENDER	CFT	34	3.9400	133.96
045004050	D44. GRANULATED SALT	LBS	246	.1200	29.52
045014050	D20. BENTONITE EXTENDER	LBS	214	.1500	32.10
045019050	D42. KOLITE LOST CIRC ADDITI	LBS	250	.4900	122.50
044003025	D29. CELLOPHANE FLAKES	LBS	19	1.5900	30.21
100282000	D026. CHEMICAL WASH CH7	BBL	30	25.9600	778.80
056702054	PLUG CERG 5-1/2" TOP PLASTIC	EA	1	67.0000	67.00
067011000	K117. POTASSIUM CHLORIDE	LBS	150	.2800	42.00
040601000	CEMENT HEAD RENTAL	JOB	1	.0000	N/C
	DISCOUNT - MATERIAL				601.51
	DISCOUNT - SERVICE				644.66

SUB TOTAL -- 1,949.15
STATE TAX ON 969.29 47.50
LOCAL TAX ON 969.29 9.69
AMOUNT DUE -- 2,006.34

2146-2041
KS

RECEIVED
KANSAS CORPORATION COMMISSION
APR 21 1993
CONSERVATION DIVISION
WICHITA, KS

WITH QUESTIONS CALL 313-356-1272
FEDERAL TAX ID # 30-239-7173
TERMS -- NET 30 DAYS DUE ON OR BEFORE DEC 30, 1992

THANK YOU. WE APPRECIATE YOUR BUSINESS.

J. B. Watson
T E MATSON

Qualitative X-ray Diffraction,
and Acid Solubility Analyses

CYR A-1

ORIGINAL

PURPOSE: To identify the types and relative quantities of minerals in the formation sample.

PROCEDURE: A pulverized 1 gram sample is placed in an x-ray beam and rotated through an arc. The x-ray beam is diffracted by the sample and the diffraction patterns are recorded.

RESULTS: The diffraction patterns are used to identify the types of minerals present and their relative quantities. The relative quantities for the submitted samples are as follows:

Sample No.	1
Depth (feet)	2136
HCl Solubility % *	30.19
Iron Content % **	2.49
Quartz %	44
Feldspar %	6
Dolomite %	9
Calcite %	8
Kaolinite %	0
Illite/Mica %	9
Smectite %	0
Mixed Layer %	19
Chlorite %	2
Halite %	1
Hematite %	2

* 1 gram of sample is added to 0.5N HCl. After reaction, the excess acid is titrated with 0.2N NaOH. The results are calculated and reported as calcium carbonate. (Note: a pure dolomite will be reported as 108X)

** 1 gram of sample is added to concentrated HCl. After reaction, the dissolved iron is titrated with Potassium Dichromate and reported as % by weight.

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CONSERVATION DIVISION
WICHITA, KS

Immersion Tests

ORIGINAL

PURPOSE: To observe the effect of various base fluids on core chips from selected representative cores.

PROCEDURE: Freshly broken chips from cores are immersed in test fluids; one chip per fluid in a 30 ml beaker. The samples are then placed in a vacuum for one hour. After that time, an observation is made to evaluate the effect of the fluid on the core chip.

RESULTS: Released fines from a core chip may indicate formation sensitivity to the test fluid. Effects of immersion under vacuum at 100 deg. F. (est. BHT) for one hour in the following fluids.

Sample No. 1
Depth (feet) 2136

2% KCl Water (N)
15% Fe HCl CD
7.5% Fe HCl CD

- | | |
|------------------------------|---------------------------------|
| N = No fines released. | P = Partially disintegrated. |
| V = Very small amount fines. | CD = Completely disintegrated. |
| S = Small amount fines. | GR = Gelatinous residue formed. |
| M = Moderate amount fines. | PD = Partially dissolved. |
| L = Large amount fines. | C = Completely dissolved. |
| HS = Highly Soluble | |

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