

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

API NO. 15- 189-21,506 -00-00  
County Stevens  
App NW SE NW Sec. 12 Twp. 33S Rge. 38 East: X West:

Operator: License # 4549

3890 Ft. North from Southeast Corner of Section  
3900 Ft. West from Southeast Corner of Section.  
(NOTE: Locate well in section plat below.)

Name: Anadarko Petroleum Corporation

Address P.O. Box 351

Lease Name Smith "Z" Well # 1H

City/State/Zip Liberal, Kansas 67905-0351

Field Name Hugoton

Purchaser: Hugoton Gathering Company

Producing Formation Chase

Operator Contact Person: J. L. Ashton

Elevation: Ground 3151 KB NA

Phone ( 316 ) 624-6253

Total Depth 2899 PBTD 2886

Contractor: Name: Gabbert-Jones, Inc.

License: 5842

Wellsite Geologist: NA

Designate Type of Completion

New Well  Re-Entry  Workover  
 Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

If OWO: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

6-24-91 6-26-91 8-7-91

Spud Date Date Reached TD Completion Date

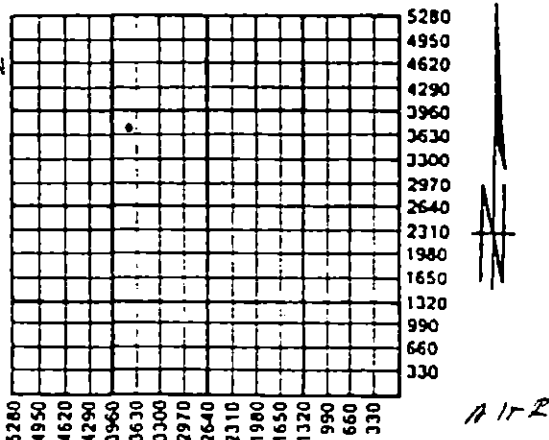
Amount of Surface Pipe Set and Cemented at 628 Feet

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.



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CONSERVATION DIVISION  
Wichita, Kansas

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Williams  
Title Engineering Technician Date 8-16-91

Subscribed and sworn to before me this 10th day of August, 1991.

Notary Public Cheryl Steers

Date Commission Expires \_\_\_\_\_



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

Operator Name Anadarko Petroleum Corporation Lease Name Smith "Z" Well # 1H  
 Sec. 12 Twp. 33S Rge. 38  East  West  
 County Stevens

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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Formation Description</b> <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td>Blaine</td> <td>1065</td> <td>1114</td> </tr> <tr> <td>Cedar Hills</td> <td>1172</td> <td>1346</td> </tr> <tr> <td>Stone Corral</td> <td>1634</td> <td>1705</td> </tr> <tr> <td>Chase</td> <td>2504</td> <td>2818</td> </tr> <tr> <td>Council Grove</td> <td>2844</td> <td>NA</td> </tr> <tr> <td>TD</td> <td></td> <td>2899</td> </tr> </tbody> </table>	Name	Top	Bottom	Blaine	1065	1114	Cedar Hills	1172	1346	Stone Corral	1634	1705	Chase	2504	2818	Council Grove	2844	NA	TD		2899
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Chase	2504	2818																					
Council Grove	2844	NA																					
TD		2899																					
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 (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																						

**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#	628	Common	420	3% CC
Production	7 7/8	5 1/2	14#	2894	Class "C"	265	20% DCD 10% DCD

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
		Depth	
2	2816-2794, 2778-2768, 2750-2708, 2699-2652, 2627-2599, 2581-2546, 2526-2512	Brk dwn w/21,800 gals 2% KCL wtr + 495 BS. Frac w/136,600 gals x-linked gelled 2% KCL wtr + 401,700# 12/20 sd.	2512-2816

**TUBING RECORD** Size Set At Packer At Liner Run  Yes  No  
 None

Date of First Production SI-WO Pipeline	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 1350 Mcfd Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perforation  Dually Completed  Commingled  Other (Specify)

Production Interval: 2512-2816



ORIGINAL

REMIT TO:  
P.O. BOX 951046  
DALLAS, TX 75395-1046

**HALLIBURTON SERVICES**

A Halliburton Company

INVOICE

INVOICE NO.	DATE
141615	06/27/1991

WELL/LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
SMITH "2" 1H		STEVENS		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
LIBERAL		G&J #11		CEMENT PRODUCTION CASING		06/27/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER		SHIPPED VIA	FILE NO.
019595	JOHN SHILLING		33876		COMPANY TRUCK	17910

ANADARKO PETROLEUM CORP  
P. O. BOX 351  
LIBERAL, KS 67905-0351

DIRECT CORRESPONDENCE TO:  
FIRST OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	40	MI	2.60	104.00
		1	UNT		
001-016	CEMENTING CASING	2903	FT	1,130.00	1,130.00
		1	UNT		
030-016	CEMENTING PLUG 5W ALUM TOP	5	1/2 IN	50.00	50.00
		1	EA		
16A	CASING SHOE - 8 5/8" 8RD THD.	1	EA	161.00	161.00
830.2171					
218-738	CLAYFIX II	2	GAL	20.00	40.00
018-315	MUD FLUSH	1260	GAL	.55	693.00
504-050	PREMIUM PLUS CEMENT	265	SK	7.08	1,876.20
507-210	FLOCELE	66	LB	1.30	85.80
500-959	CELITE	4600	LB	.42	1,932.00
509-406	ANHYDROUS CALCIUM CHLORIDE	5	SK	26.25	131.25
500-207	BULK SERVICE CHARGE	555	CFT	1.15	638.25
500-306	MILEAGE CMTG MAT DEL OR RETURN	59.952	TMI	.80	60.00MN*
INVOICE SUBTOTAL					6,901.50
DISCOUNT-(BID)					1,932.41-
INVOICE BID AMOUNT					4,969.09
*-KANSAS STATE SALES TAX					151.01
*-SEWARD COUNTY SALES TAX					35.54
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$5,155.64

*John Shilling*

4552-2041

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TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT. CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

WELL NAME: SMITH <sup>Z</sup> 1H  
 SEC. 12-33S-38W  
 STEVENS CO., KANSAS

ORIGINAL

COMMENCED: 6-24-91

COMPLETED: 6-27-91

OPERATOR: ANADARKO PETROLEUM COMP.

R-11

Depth		Formation	Remarks
From	To		
0	525	Sand - Clay	Ran 15 jts of 24# 8 5/8" csg set @ 628 w/220 sks 75/25 Posmix 2%CC 1/4#CF - 180 sks Common 3% CC - 1/4#CC PD @ 7:30 pm 6-24-91  Ran 68 jts of 14# 5 1/2" csg set @ 2894 w/225 sks class C - 20% DCD 2%CC 1/4#CF - 40 sks Class C - 10% DCD - 2%CC 1/4# CF PD @ 8:00 am 6-27-91 RR @ 9:00 am 6-27-91
525	1199	Redbed	
1199	1350	Glorietta Sand	
1350	2780	Shale	
2780	2899	Shale-Lime	
	2899 - TD		

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 Wichita, Kansas

STATE OF KANSAS  
 COUNTY OF SEDGWICK

) I, the undersigned, being duly sworn on oath,  
 ) state that the above Drillers' Well Log is true  
 ) and correct to the best of my knowledge and  
 belief and according to the records of this office.

GABBERT-JONES, INC.

*[Signature]*  
 James S. Sutton, II. -- President

Subscribed & sworn to before me this

July 9, 1991

*[Signature]*  
 Lola Lenore Costa

My commission expires Nov. 21, 1992

