

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

API NO. 15- 129-20,966-00-05

County Morton

NW SE SE Sec. 27 Twp. 33S Rge. 40 East  West

1250 Ft. North from Southeast Corner of Section

1250 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name Royalty Holding Co. Well # 1H

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3296.7 KB NA

Total Depth 2787 PBTD 2540

Operator: License # 5598

Name: APX Corporation

Address P. O. Box 351

City/State/Zip Liberal, Kansas 67905-0351

Purchaser: Panhandle Eastern Pipeline Company  
(Transporter)

Operator Contact Person: M. L. Pease

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  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

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

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

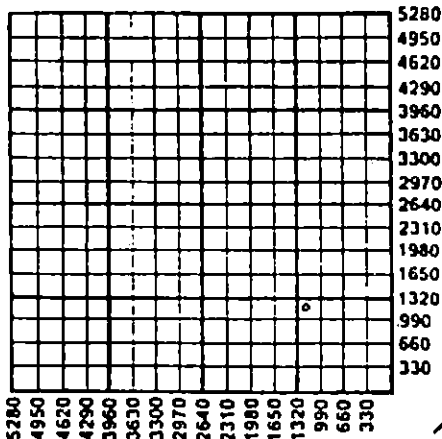
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

4/10/89 4/13/89 7/14/89

Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 455 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.

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 M. L. Pease

M. L. Pease

Title Division Production Manager Date 1/4/90

Subscribed and sworn to before me this 4th day of January, 19 90.

Notary Public C. 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)

X P1

**SIDE TWO**

Operator Name APX Corporation

Lease Name Royalty Holding Co. "A" Well # 1H

Sec. 27 Twp. 33S Rge. 40  
 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 (Attach Additional Sheets.)  Yes  No

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run (Submit Copy.)  Yes  No

Name	Formation Description	
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
	Top	Bottom
Blaine	1088	1180
Cedar Hills	1214	1374
Stone Corral	1644	1670
Chase	2394	2720
Council Grove	2720	NA
TD		2787

**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#	455	Pozmix & Common	260	3% CC
Production	7-7/8"	5-1/2"	14#	2786	Class C	245	10% DCD 20% 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	2545-81	A/5000 gal 28% gelled FE acid.	2545-81
		A/2500 gal 28% FE acid. Sq w/ 75 sxs Class H 0.5% Halad 4 + 75 sxs Class H.	
2	2389-2393, 2404-2455, 2471-2515	Brk dwn w/11,900 gal 2% KCl wtr. Frac w/57,000 gal foamed gelled 2% KCl wtr & 148,240# 2/20 sand.	2389-2515 O.A.

**TUBING RECORD** Size \_\_\_\_\_ Set At \_\_\_\_\_ Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First Production 9/12/89 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours  
 Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity  
 1250 @ 85#

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: 2389-2515 O.A.



REMIT TO:  
P.O. BOX 651046  
DALLAS, TX 75265

KT

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
802707	04/10/1989

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
ROYALTY HOLDING CO A-1H		MORTON		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE			TICKET DATE
LIBERAL	GABBERT & JONES #9	CEMENT SURFACE CASING			04/10/1989
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
001527	DAVID GILMORE			COMPANY TRUCK	74864

APX CORPORATION  
P. O. BOX 351  
LIBERAL, KS 67905-0351

DIRECT CORRESPONDENCE TO:  
SUITE 600  
COLORADO DERBY BUILDING  
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	10	MI	2.20	22.00
		1	UNT		
001-016	CEMENTING CASING	453	FT	456.20	456.20
		1	UNT		
030-016	CEMENTING PLUG SW ALUM TOP	8 5/8	IN	82.00	82.00
		1	EA		
504-043	PREMIUM CEMENT	83	SK	6.85	568.55
506-105	POZMIX A	27	SK	3.91	105.57
504-043	PREMIUM CEMENT	150	SK	6.85	1,027.50
509-406	ANHYDROUS CALCIUM CHLORIDE	6	SK	25.75	154.50
507-210	FLOCELE	65	LB	1.21	78.65
500-207	BULK SERVICE CHARGE	272	CFT	.95	258.40
500-306	MILEAGE CMTG MAT DEL OR RETURN	122.225	TMI	.70	85.56
INVOICE SUBTOTAL					2,838.93
DISCOUNT-(BID)					851.66-
INVOICE BID AMOUNT					1,987.27
*-KANSAS STATE SALES TAX					66.12
*-SEWARD COUNTY SALES TAX					16.52
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					2,069.91

2157-2041  
K 4-20

4-2089

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.

GABBERT-JONES  
DRILLERS WELL LOG

ROYALTY HOLDING CO. "A" 1H  
SEC. 27-33S-40W  
MORTON CO., KANSAS

Commenced: 4-10-89  
Completed: 4-12-89  
Operator: APX CORPORATION.

Depth		Formation	Remarks
From	To		
0	395	Clay - Sand	
395	1217	Redbed	Ran 11 jts of 24# 8 5/8" csg set @ 455' w/110 sks
1217	1371	Glorietta Sand	25/75 Posmix - 2% CC - 1/4# FS
1371	2206	Redbed	150 sks Common 3% CC - 1/4# FS
2206	2787	Lime - Shale	PD @ 9:30 PM 4-10-89.
	2787 TD		

STATE COMMISSION

JAN 16 1990

COMMISSION  
MORTON CO., KANSAS

Ran 66 jts of 14# 5 1/2" csg  
set @ 2786' w/205 sks  
Class C - 20% DCD - 2% CC  
1/4# FS - 40 sks Class C  
10% DCD - 2% CC - 1/4# FS  
PD @ 10:30 PM 4-12-89.  
RR @ 11:30 PM 4-12-89.

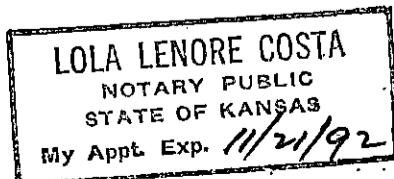
State of Kansas  
County of Sedgwick

) 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.

*James S. Sutton, II*  
James S. Sutton, II --President

Subscribed & sworn to before me this  
18th day of April 1989



*Lola Lenore Costa*  
Lola Lenore Costa

My Commission expires Nov. 21, 1992