

10/25/89

ORIGINAL

RELEASED

SIDE ONE

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

Operator: License # 5598
Name APX Corporation
Address P. O. Box 351
City/State/Zip Liberal, Kansas 67905-0351

Purchaser Panhandle Eastern Pipe Line Co.
(Transporter)

Operator Contact Person M. L. Pease
Phone (316) 624-6253

Contractor: License # 5842
Name Gabbert-Jones, Inc.

Wellsite Geologist NA
Phone

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If ONNO: old well info as follows:
Operator
Well Name
Comp. Date
Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
6/29/88 7/1/88 9/20/88
Spud Date Date Reached TD Completion Date

2843 2833
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 526 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to feet depth
Cement Company Name Halliburton Services
Invoice # 769389

API No. 15-189-21,204-00-02 PLAN 0 3 1992

County Stevens FROM CONFIDENTIAL

SW. SW. NE. NE. Sec. 22 Twp. 33S. Rge. 39 East West

4030 Ft North from Southeast Corner of Section
1250 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

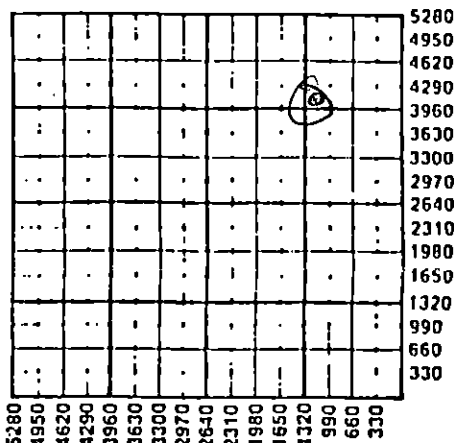
Lease Name Morgan "F" Well # 1H

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3216.9 GL KB

Section Plat



10-25-89

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OCT 25 1988

CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

Groundwater.....Ft North from Southeast Corner
(Well)Ft West from Southeast Corner of
Sec Twp Rge East West

Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec Twp Rge East West

Other (explain) Water provided by contractor
(purchased from city, R.W.D. #)

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. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

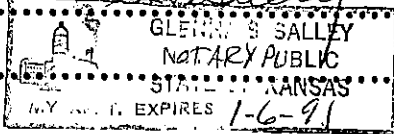
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature M. L. Pease
Title Division Production Manager Date 10/24/89

OCT 27 1988

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

Subscribed and sworn to before me this day of Oct. 1988
Notary Public



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

Sec. 23, R027, 0

Operator Name APX Corporation Lease Name Morgan "F" Well # 1H
 Sec. 22 Twp. 33S Rge. 39 County Stevens
 East West

WELL LOG

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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Name	Top	Bottom
Sand, Clay	0'	530'
Redbed	530	680
Redbed, Shale	680	1233
Glorietta Sand	1233	1296
Anhydrite, Shale	1296	1410
Shale, Lime	1410	2843
TD	2843	

CASING RECORD <input checked="" type="checkbox"/> Now <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"	24.0	526	Pozmix & Common	290	3% CC
Production	7-7/8"	5-1/2"	14.0	2836	Class C	245	2% CC, 10% DCD, 20% DCD
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	2472-2488, 2496-2511, 2544-2590, 2616-2660, 2673-2706, 2726-2733, 2760-2768, 2778-2785			Brkdn w/19,600 gal 2% KCL wtr. Frac w/135,000 gal gelled 2% KCL wtr + 367,000# 12/20 sd		2472-2785	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production	Producing Method						
9/27/88	<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	Gas	Water	Gas-Oil Ratio	Gravity		
	0 Bbls	1790 MCF					
@ 100# back press							

Disposition of gas: Vented Sold Used on Lease
 Open Hole Perforation Other (Specify) 2472-2785 OA..
 Dually Completed Commingled

GABBERT-JONES
DRILLERS WELL LOG

MORGAN "F" #1H
SEC. 22-33S-39W
STEVENS COUNTY, KANSAS

Commenced: 6-29-88
Completed: 7-2-88
Operator: ANADARKO PETROLEUM CORPORATION

Depth		Formation	Remarks
From	To		
0	530	Sand - Clay	Ran 12 jts of 24# 8 5/8" csg set @ 526' w/140 sks 75/25 Posmix - 2% CC - 1/4# Cellophane @ 15.3 PPG - 150 sks Common - 3% CC - 1/4# Cellophane @ 16.4 PPG PD @ 4:30 PM 6-29-88.
530	680	Redbed	
680	1233	Redbed - Shale	
1233	1296	Glorita Sand	
1296	1410	Anhy - Shale	
1410	2843	Shale	

2843 TD

Ran 67 jts of 14# 5 1/2" csg set @ 2836 w/205 sks
Class C - 2 Diacell "D"
2% CC - 1/4# sks cellophane @ 12.0 PPG - 40 sks Class C
10% Diacell D - 2% CC
1/4# cellophane @ 13.0 PPG
PD @ 2:30 AM 7-2-88.

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STATE CORPORATION COMMISSION

OCT 25 1988

CONSERVATION DIVISION
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.

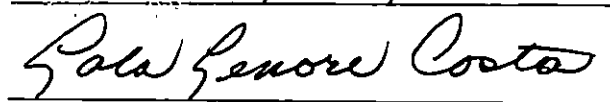
GABBERT-JONES, INC.


James S. Sutton, II --President

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

OCT 27 1988

Subscribed & sworn to before me this
12th day of July 1988


Lola Lenore Costa

My Commission expires Nov. 21, 1988

INVOICE
INVOICE



A DIVISION OF HALLIBURTON COMPANY

INVOICE NO. 769389 DATE 07/01/1988

WELL LEASE NO. MORGAN F-1H		WELL LOCATION STEVENS		STATE KS	WELL OWNER SAME
SERVICE LOCATION LIBERAL		CONTRACTOR GABBERT & JONES	JOB PURPOSE CEMENT PRODUCTION CASING		TICKET DATE 07/01/1988
ACCT. NO. 001527	CUSTOMER AGENT E E DETTNER	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA COMPANY TRUCK	FILE NO. 51211

DIRECT CORRESPONDENCE TO:

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

SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

2065-2041

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	13	MI	2.10	27.30
		1	UNT		
001-016	CEMENTING CASING PUMP CHARGE	3843	FT	379.00	379.00
		1	UNT		
030-016	TYPE 5W ALUMINUM PLUG-TOP	5.5	IN	41.00	41.00
		1	EA		
314-153	POTASSIUM CHLORIDE	150	LB	27.00	27.00
213-008	MUD FLUSH	1500	GAL	.45	675.00
504-030	PREMIUM PLUS CEMENT	245	SK	7.08	1,734.60
509-406	ANHYDROUS CALCIUM CHLORIDE	5	SK	25.75	128.75
507-210	FLOCELE	60	LB	1.21	72.60
500-959	DELITE	4250	LB	.41	1,742.50
500-207	BULK SERVICE CHARGE	510	CFB	.95	484.50
500-306	MILEAGE	130.310	TMI	.70	126.22
INVOICE SUBTOTAL					5,933.47
DISCOUNT-(BID)					1,128.28-
INVOICE BID AMOUNT					4,810.19
* KANSAS STATE SALES TAX					140.30
** SEWARD COUNTY SALES TAX					35.06

J. E. Carlson

GENERAL APPROVAL	
DATE	LOCATION
LIBERAL OPERATIONS RECEIVED	
JUL 1 1988	
APPROVED	

RECEIVED
STATE CORPORATION COMMISSION
OCT 25 1988
CONSERVATION DIVISION
Wichita, Kansas

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.