

SIDE TWO

Operator Name APX Corporation Lease Name Perrill "E" Well # 1H

Sec. 32 Twp. 33S Rge. 37 East West County Stevens

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'	421'
Sand	421	580
Redbed	580	610
Redbed	610	1145
Glorietta Sand	1145	1365
Redbed	1365	2650
Lime, Shale	2650	2975
TD		2975

Handwritten notes:
 10/10/88
 10/10/88
 10/10/88

CASING RECORD Now 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	607	Pozmix & Common	330	3% CC
Production	7-7/8"	5-1/2"	14.0	2973	Class C	255	10% DCD, 20% DCD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	2616-2626, 2637-2677, 2692-2725, 2740-2803, 2815-2852, 2876-2888, 2904-2925	Brkdwn w/23,600 gal 2% KCL wtr, F/135,000 gal gelled 2% KCL wtr & 367,800# 12/20 sd	2616-2925 OA

TUBING RECORD Size Set At Packer at Liner Run Yes No

Date of First Production 10/10/88 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
0 Bbls @ 75 psig		1300 MCF	Bbls	CFPB	

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Sold Used on Lease
 Open Hole Perforation Other (Specify) 2616-2925 OA
 Dually Completed Comingled

ORIGINAL

RELEASED

MAR 0 4 1991

FROM CONFIDENTIAL

Attachment

Perrill "E" No. 1H
Sec. 32-33S-37W
Stevens County, Kansas

API NUMBER: 15-189-21,210

FORMATION

Blaine
Cedar Hills
Stone Corral
Chase
Council Grove
TD

TOP

1027
1183
1668
2611
NA

BOTTOM

1131
1372
1744
NA
NA
2975

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STATE CORPORATION COMMISSION

MAR - 4 1991

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL GABBERT-JONES
DRILLERS WELL LOG

RELEASED

MAR 0 4 1991

PERRILL "E" 1H
SEC. 32-33S-37W
STEVENS COUNTY, KANSAS

FROM CONFIDENTIAL

Commenced: 8-2-88
Completed: 8-4-88
Operator: ANADARKO PETROLEUM CORP.

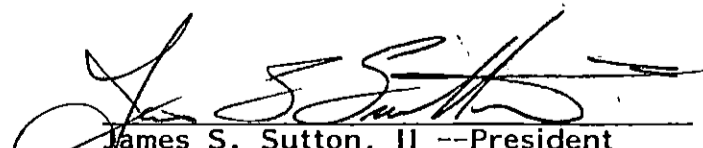
Depth		Formation	Remarks
From	To		
0	610	Cased hole	
610	1145	Redbed	
1145	1365	Glorieta Sand	
1365	2650	Redbed	
2650	2975	Redbed	
2975 - TD			Ran 73 jts of 14# 5 1/2" csg LD @ 2973' w/ 215 sks Class C - 20% DCD 2% CC - 1/4# Floseal - 40 sks Class C - 10% DCD - 2% CC 1/4# Floseal - PD @ 8:30 PM 8-4-88 Rig Release @ 9:30 PM 8-4-88

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NOV 2 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

Subscribed & sworn to before me this
8th day of August 1988


Lola Lenore Costa

My Commission expires Nov. 21, 1988

GABBERT-JONES
DRILLERS WELL LOG

RELEASED

MAR 0 4 1991

ORIGINAL

RELEASED

MAR 0 4 1991

PERRILL "E" #1H
SEC. 32-33S-37W
STEVENS COUNTY, KANSAS

FROM CONFIDENTIAL

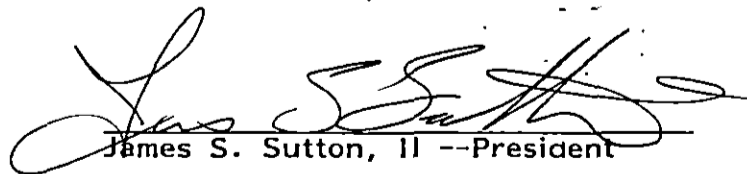
Commenced: 7-6-88
Completed: 7-7-88
Operator: ANADARKO PETROLEUM CORPORATION

Depth		Formation	Remarks
From	To		
0	421	Sand - Clay	Ran 14 jts of 24# 8 5/8" csg LD @ 609' w/180 sks 75/25 Posmix - 2% CC - 1/4# FS 150 sks Common - 3% CC 1/4# FS PD @ 7:15 PM 7-6-88.
421	580	Sand	
580	610	Redbed	
	610 TD		

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NOV 2 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

NOV 05 1988

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

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


Lola Lenore Costa

My Commission expires Nov. 21, 1988

CUSTOMER COPY
INVOICE
 INVOICE



FROM REMITTING OFFICE
 P.O. BOX 651046
 DALLAS, TX 75265

INVOICE NO.	DATE
769654	07/06/1988

WELL LEASE NO.	WELL LOCATION	STATE	WELL OWNER
PERRILL 5-1H	STEVENS	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	GABBERT & JONES #9	CEMENT SURFACE CASING	07/06/1988
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
001527	E E BETTNER		
SHIPPED VIA			FILE NO.
COMPANY TRUCK			61268

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

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

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	28	MI	2.10	58.80
001-018	CEMENTING CASING PUMP CHARGE	1	UNT		
001-018		617	FT	508.14	508.14
030-018	TYPE SW, PLASTIC TOP P	1	UNT		
030-018		8	5/8 IN	82.00	82.00
504-043	PREMIUM CEMENT	1	EA		
504-043		135	SK	6.85	924.75
506-108	POZMIX A	45	SK	3.91	175.95
504-043	PREMIUM CEMENT	150	SK	6.85	1,027.50
509-406	ANHYDROUS CALCIUM CHLORIDE	8	SK	25.75	206.00
507-210	FLOCELE	83	LB	1.21	100.43
500-207	BULK SERVICE CHARGE	346	CFT	.95	328.70
500-322	MINIMUM MILEAGE	46.265	TMT	45.00	45.00
INVOICE SUBTOTAL					3,457.27
DISCOUNT-(BID)					656.86-
INVOICE BID AMOUNT					2,800.41
*-KANSAS STATE SALES TAX					92.18
*-SEWARD COUNTY SALES TAX					23.04
TOTAL					

RECEIVED
 STATE CORPORATION COMMISSION
 NOV 2 1988
 CONSERVATION DIVISION
 Wichita, Kansas

2072-2041

APPROVED	DATE
LIBERAL OPERATIONS RECEIVED	JUL 11 1988
APPROVED	DATE
APPROVED	DATE

TERMS: INVOICES PAYABLE NET BY THE 30TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT, 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 12% 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.