

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
4/7/87 4/21/88 7/7/88
Spud Date Date Reached TD Completion Date
6850 3056
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1809 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set
If alternate 2 completion, cement circulated
from feet depth to SX cmt
Cement Company Name Dowell Schlumberger
Invoice # 9494
ATI

API No. 15-189-21,038-00-01
County Stevens
Appx. G. E2 Sec. 20 Twp. 34S Rge. 38 East
 West

2440 Ft North from Southeast Corner of Section
1320 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Perrill "D" Well # 1H

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3280.0 KB 3292
Section Plat

Table with 10 columns and 10 rows showing section plat elevations. Values range from 5280 to 330.

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) Contractor provided water
(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.

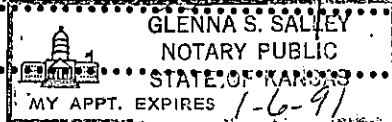
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature M. L. Pease
Title Division Production Manager Date 10/25/88

Subscribed and sworn to before me this 25th day of Oct. 1988

Notary Public Glenna S. Salley

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)
10-27-88

Sec. 20, Twp. 34, Rge. 38 E

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

Sec. 20 Twp. 34S Rge. 38 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
Cased Hole	0'	30'
Sand, Redbed	30	330
Sand, Clay, Redbed	330	1195
Redbed, Gyp, Sand	1195	1560
Redbed, Anhy	1560	1810
Anhy, Shale	1810	2170
Shale, Lime	2170	3620
Lime, Shale	3620	6620
Lime	6620	6695
Lime, Shale	6695	6850
TD	6850	

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	1809	Pozmix & Common	850	3% CC
Production	7-7/8"	5-1/2"	14.0	3056	Class C	116	2% CC, 10% DCD &
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record 20% DCD			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	2686-2698	2720-2756	2780-2810	Brkdn w/16000 gal. 2% KCL		2686-3001	
	2839-2884	2894-2926	2951-2965	F/114,790 gals. KCL wtr.		OA	
	2982-3001			360,000# 12/20 sd.			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production	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	Gas	Water	Gas-Oil Ratio		Gravity	
	0 Bbls	1785 MCF	0 Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease Open Hole Perforation Other (Specify) 2686-3001 OA
 Dually Completed Coningled



TREATMENT NUMBER 9494 DATE 4/8/87
 STAGE DS DISTRICT WYOMING

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DOWELL SCHLUMBERGER INCORPORATED

WELL NAME AND NO. **WELL "D" 1-H** LOCATION (LEGAL) **SEC 20-34S-32W** RIG NAME: **Customer - Jones Rig # 12**

FIELD-POOL _____ FORMATION _____ WELL DATA: BOTTOM TOP

COUNTY/PARISH **SENECA** STATE **KANSAS** API. NO. _____

NAME **Amundson Production**

AND _____

ADDRESS _____

ZIP CODE _____

SPECIAL INSTRUCTIONS **Formal Materials + Engineering For Surface Pipe**

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE _____ PSI CASING WEIGHT + SURFACE AREA (3.14 x R²) _____

PRESSURE LIMIT _____ PSI BUMP PLUG TO **970** PSI

ROTATE _____ RPM RECIPROCATATE _____ FT No. of Centralizers _____

Head & Plugs TBG D.P. SQUEEZE JOB

Double WEIGHT Single GRADE Swage KNOCKOFF THREAD

TOOL TYPE _____ DEPTH _____ TAIL PIPE: SIZE **2 1/2** DEPTH _____

TUBING VOLUME _____ Bbls

CASING VOL. BELOW TOOL _____ Bbls

TOTAL _____ Bbls

ANNUAL VOLUME _____ Bbls

TIME _____ PRESSURE _____ VOLUME PUMPED BBL _____

JOB SCHEDULED FOR TIME: **0900** DATE: **4/8** ARRIVE ON LOCATION TIME: **0830** DATE: **4/8** LEFT LOCATION TIME: **1500** DATE: **4/8**

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0001 to 2400											
1309	250		5		5	Fibc					
1310	250		170	5	5	Cut 13.5					
1344	250		37	175	6	Cut 16.45					
1352	0			212	-						
	0			212							
1353	20		113	212	5						
1358	150			30	5						
1412	650			100	7						
1417	700			113							
1418	970										

REMARKS: PRE-JOB SAFETY MEETING, STAMP F1120 AHEAD, F1120 TUMBLER START LEAD CUT, LEAD CUT PUMPED / START TAIL, TAIL CUT PUMPED / SHUT DN, DUMP HOG, START DISPLACEMENT, CUT TO SURFACE, SLOW RATE 250pm, DUMP HOG, CHECK FLOAT - FLOAT HOLDING.

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REMARKS _____

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	1650	1.47	DS 45-5-P + 2% Fibc + 2% Calc		170	
2.	200	1.05	Premium + 2% Fibc		37	16.45
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE _____ VOLUME _____ DENSITY _____ PRESSURE _____ MAX. **970** MIN: _____

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO **83** Bbls.

BREAKDOWN PSI FINAL _____ PSI _____ DISPLACEMENT VOL. **113** Bbls

Washed Thru Perfs YES NO TO _____ FT MEASURED DISPLACEMENT _____ WIRELINE

PERFORATIONS TO _____ TO _____ CUSTOMER REPRESENTATIVE _____ DS SUPERVISOR **GREG GREENWICK**

GABBERT-JONES, INC.
WICHITA, KAS.

DRILLERS WELL LOG

PERRILL "D" #1H
2590' FSL & 1320' FEL Sec. 20-34S-38W
STEVENS COUNTY, KANSAS

COMMENCED: 4-7-87

COMPLETED: 4-22-87

OPERATOR: PAN EASTERN EXPLORATION COMPANY

DEPTH			
From	To	Formation	Remarks
0	30	Cased hole	30' of 20" csg.
30	330	Sand-Redbed	
330	1195	Sand-Clay-Redbed	Ran 42 jts. of 24# 8 5/8"
1195	1560	Redbed-Gyp-Sand	csg. LD @ 1809' w/650 sks.
1560	1810	Redbed-Anhy	Posmix - 4% Gel - 2% CC + 200 sks.
1810	2170	Anhy-Shale	Class C - 2% CC
2170	3620	Shale-Lime	PD @ 2:30 PM 4-8-87.
3620	6620	Lime-Shale	
6620	6695	Lime	Ran 76 jts. of 14# 5 1/2" csg.
6695	6850	Lime-Shale	LD @ 3056' w/76 sks. Class C - 20% Diacell - 1/4# Celloflake - 40 sks. Class C 10% Diacell - 1/4# Celloflake PD @ 1:15 PM 4-22-87. Rig released 2:30 PM.
	6850 TD		

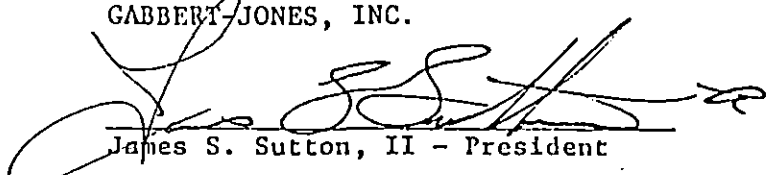
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STATE CORPORATION COMMISSION

OCT 27 1988

CONSERVATION DIVISION
Wichita, Kansas

STATE OF KANSAS) I, the undersigned, being duly sworn on oath, state that
) the above Drillers' Well Log is true and correct
COUNTY OF SEDGWICK) 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 27th day of April 1987.


Lola Lenore Costa - Notary Public

My Commission expires 11-21-88