

ORIGINAL

RELEASE 5/1/90

FEB 1 3 1991

SIDE ONE

FROM CONFIDENTIAL

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 Pan Eastern Exploration Co.
Address P.O. Box 351
City/State/Zip Liberal, KS 67905-0351

Purchaser N/A

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

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

Wellsite Geologist N/A
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 OWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

7/27/87 7/13/87
Spud Date Date Reached TD Completion Date

2870 2850
Total Depth PBDU

Amount of Surface Pipe Set and Cemented at 616 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from foot depth to w/ SX cmt
Cement Company Name
Invoice #

API NO. 15-129-20,870-00-00

County Morton

APP. C SW Sec. 31 Twp. 33 Rge. 39 East West

1250 Ft North from Southeast Corner of Section
3957 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Hayward "L" Well # 1H

Field Name HUGOTON

Producing Formation Chase

Elevation: Ground 3280.6 KB

Section Plat

Table with 10 columns and 10 rows representing a section plat. The right side of the table lists elevations from 5280 to 330. A star is marked in the 6th row, 6th column. A stamp 'RECEIVED STATE CORPORATION COMMISSION OCT 31 1989' is overlaid on the table. A handwritten note 'ACT I 2-18-91' is on the right side.

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 Dorby 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.

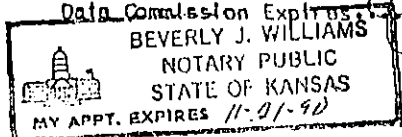
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature M. L. Pease
Title Division Production Manager Date 9/22/87

Subscribed and sworn to before me this 22nd day of Sept 1987

Notary Public Beverly J. Williams

Date Commission Expires November 21, 1990



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

Operator Name Pan Eastern Exploration Co. Lease Name Hayward "L" Well # 11

Sec. 31 Twp. 33S Rge. 39 East West County Morton

RELEASES

FEB 1 8 1971

WELL LOG

FROM CONFIDENTIAL

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-Shale	0	35
Sand-Shale-Redbed	35	618
Redbed-Shale	618	818
Shale-Redbed	818	1265
Shale	1265	1276
Glorietta Sand	1276	1436
Shale	1436	2736
Lime	2736	2870
TD		2870

CASING RECORD <input checked="" type="checkbox"/> New <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	616	75/25 Poz Common	230	2%cc + 1/4# cel
Production	7 7/8	5 1/2	14	2870	20% DC-D 10% DC-D	150 200 40	3%cc + 1/4# cel 2%cc + 1/4# cel 2%cc + 1/4# cel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used			Depth
TUBING RECORD							
Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No				
Date of First Production	Producing Method <input 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		
	Bbls	SCF	Bbls	CFPD			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Conmingled

ORIGINAL

Attachment

RECEIVED

FEB 18 1991

FROM CONFIDENTIAL

API NUMBER: 15-129-20,870
Hayward "L" No. 1H
App. C SW
Section 31-33S-39W
Morton County, Kansas

<u>FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>
Blaine	1130	1238
Cedar Hills	1272	1432
Stone Corral	1702	1732
Chase	2495	NA
Council Grove	NA	NA
TD		2870

RECEIVED
STATE CORPORATION COMMISSION

FEB 18 1991
CONSERVATION DIVISION
Wichita, Kansas

CEMENTING SERVICE REPORT

ORIGINAL

TREATMENT NUMBER 9828 DATE 7-30-87

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

STAGE 1 DS Ulysses DISTRICT Ks

WELL NAME AND NO. <u>Hayward L #1 H</u>		LOCATION (LEGAL) <u>Sec 31-33S-39W</u>		RIG NAME: <u>Gabert & Jones #11</u>	
FIELD/POOL <u>Hugoton</u>		FORMATION <u>Chase</u>		WELL DATA: BOTTOM TOP	
COUNTY/PARISH <u>Morton</u>		STATE <u>Kansas</u>		API. NO.	
NAME <u>Pan Eastern</u>					
AND					
ADDRESS					
ZIP CODE					

SPECIAL INSTRUCTIONS
Furnish Equipment and Materials to Set 5 1/2" Longstring Casing

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE 1691 PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)

PRESSURE LIMIT 1200 PSI BUMP PLUG TO 1200 PSI

ROTATE RPM 10 RECIPROCATATE 10 FT No. of Centralizers

ARRIVE ON LOCATION TIME: 1000 DATE: 7-30 LEFT LOCATION TIME: 0300 DATE: 7-31

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			SERVICE LOG DETAIL		
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY			
2000								PRE-JOB SAFETY MEETING Pull in - Rig Up		
0029		200	10	0	5	KCl	8.4	Start Pumping KCl water		
0031		330	36	10	5	CD9	8.4	Start Pumping Chemical Wash		
0038		300	14	46	5	KCl	8.4	Continue KCl water		
0041		230	87	60	4	Class C	12.0	Start Mixing Lead Slurry		
0102		280	22	147	1/5	Class C	9.11	Start Mixing Tail Slurry		
0110				169				Lost Slurry Pump		
0120		200	10	169	3	Class C ± 11		Continue Tail		
0123		500		179	0			Shut Down		
								Attempt to Flush Cement Lost Circulation Displace ± 70 Bbls Casing on Vac		

FEB 18 1991

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED	
						BBLs	DENSITY
1.	200	2.69	Class C + 20% D56 + 2% S1 + 1/4" D29			96	12.0
2.							
3.	40	2.09	Class C + 10% D56 + 2% S1 + 1/4" D29			15	13.0
4.							
5.							
6.							

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. 500 MIN: 0

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

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 70 Bbls TYPE OF WELL OIL GAS STORAGE BRINE WATER WILDCAT

Washed Thru Perfs YES NO TO FT MEASURED DISPLACEMENT WIRELINE

PERFORMATIONS TO TO CUSTOMER REPRESENTATIVE Tr. Daffner DS SUPERVISOR R M Downey

CEMENTING SERVICE REPORT

ORIGINAL

TREATMENT NUMBER **83-FE 1816** DATE **7/28/87**
 STAGE **DS** DISTRICT **U1455ES** KS.

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

WELL NAME AND NO. **Hayward L #1-H** LOCATION (LEGAL) **Sec 31-33S-39W**

RIG NAME: **GARRETT JES**
 WELL DATA: BOTTOM TOP

FIELD-POOL FORMATION
 COUNTY/PARISH **Morton** STATE **KS** API. NO.

BIT SIZE	CSG/Liner Size	8 5/8		
TOTAL DEPTH	WEIGHT	24		
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE	622		
MUD TYPE	GRADE			
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD			
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)	44		TOTAL
MUD VISC.	Disp. Capacity	578		368

NAME **Anadarko**
 AND
 ADDRESS
 ZIP CODE

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

Stage Tool	TYPE	Sack	Stage Tool	TYPE	
	DEPTH	578		DEPTH	
Stage Tool	TYPE	Sack	Stage Tool	TYPE	
	DEPTH	622		DEPTH	

SPECIAL INSTRUCTIONS
FURNISH MATERIALS EQUIPMENT FOR SURF. PIPE.

Head & Plugs TBG D.P. SQUEEZE JOB
 Double SIZE WEIGHT TYPE
 Single GRADE TAIL PIPE: SIZE DEPTH
 Swage THREAD TUBING VOLUME Bbls
 Knockoff NEW USED CASING VOL. BELOW TOOL Bbls
 TOP R W DEPTH TOTAL Bbls
 BOT R W DEPTH TOTAL Bbls
 ANNUAL VOLUME Bbls

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT PSI BUMP PLUG TO **920** PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers
 JOB SCHEDULED FOR TIME: **2100** DATE: **7/27** ARRIVE ON LOCATION TIME: **2100** DATE: **7/27** LEFT LOCATION TIME: **0600** DATE: **7/28**

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0001 to 2400								
0440		60	10		5	H ₂ O		PRE-JOB SAFETY MEETING
0442		60	36	10	5	Cem 15.3		START FILLO AHEAD
0455		60	28	66	5	Cem 16.5		FILLO PUMPED / START LEAD
0502				94				LEAD TUNDS / START TAIL
0502				94				TAIL CUT PUMPED / SHUT DN
0504		90	57	94	5			DROP PLUG
0506		100	10	5				START DISPLACEMENT
0509		190	26	3				CUT TO SURF.
0513		920	37	3				SLOW RATE
								DUMP PLUG
0514								CHECK FLOW - NOT HOLDING
0515		920						PRESSURE UP ON PLUG
								CHECK FLOW - FLOW HOLDING

REMARKS
 FEB 18 1991

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED		
			BBLs	DENSITY	BBLs	DENSITY	
1.	280	1.13	10% Calc + 2% Calc + 1/4% SC	56	15.3		
2.	150	1.06	PREMIUM + 3% Calc + 1/4% SC	28			
3.							
4.							
5.							
6.							

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. **920** MIN:
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO **27** Bbls.
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **57** Bbls TYPE OIL STORAGE BRINE WATER
 Washed Thru Perfs YES NO TO FT MEASURED DISPLACEMENT WIRELINE WELL GAS INJECTION WILDCAT
 PERFORMATIONS CUSTOMER REPRESENTATIVE **Dr.** SUPERVISOR **DS GARY CREWIE**