

15-189-21091-0020

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

API NO. 15-189-21091-0020

County.....Stevens.....

..CN2.CN2 NW/4 Sec.35.. Twp..34.Rge.39.. X East West

..4980.... Ft North from Southeast Corner of Section
..3960.... Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name....Lightcap.....Well #...I-2..

Field Name....Hugoton.....

Producing Formation....Chase Group.....

Elevation: Ground..3293'.....KB.....3307'

Operator: License #09736.....
Name ...Dorchester Hugoton, Ltd.....
Address ...9696 Skillman St., Suite 320
.....Lockbox 42.....
City/State/Zip ..Dallas, TX..75243.....

Purchaser....Gastrack Corp., 600 Commerce....
..Plaza, 7300 W. 110th Street,.....
Overland Park, KS 66210

Operator Contact Person ..Howard C. Wadsworth..
Phone(214) 739-2002.....

Contractor: License #5842.....
Name ...Gabbert & Jones.....

Wellsite Geologist...Charles Ishon.....
Phone... (405) 751-1298.....

Designate Type of Completion
 New Well Re-Entry Workover

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

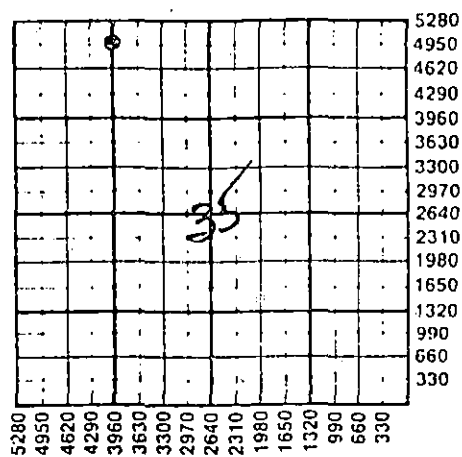
If ONWD: old well info as follows:
OperatorDorchester Hugoton, Ltd..
Well NameLightcap I-2.....
Comp. Date ..9-2-87.....Old Total Depth..6842'

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
9-2-87* 9-2-87 9-25-87
.....
Spud Date Date Reached TD Completion Date
6842 2961'
.....
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 1742 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2964 feet
If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt
Cement Company Name ..Halliburton.....
Invoice #534038.....

Section Plat



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 furnished water
(purchased from city, R.W.O. #)

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 ..Howard C. Wadsworth..
Title.....General Manager..... Date ..12/7/87.....

Subscribed and sworn to before me this 7th day of December
1987...
Notary Public...Martin Sherman.....
Date Commission Expires...6/27/89.....

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

Operator Name Dorchester Hugoton, Ltd Lease Name Lightcap Well # I-2

Sec. 35 Twp. 34 Rge. 39 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 Clay	30	555
Redbed- Gyp	555	1200
Redbed- Sand	1200	1493
Redbed- Gyp	1493	1739
Anhydrite	1739	1745
Shale	1745	2145
Shale Lime	2145	2570
Lime Shale	2570	2878

RELEASED

JAN 11 1989

FROM CONFIDENTIAL

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"	8 5/8"	24.0	1742	POZ common	625	4% GEL 2% CC
Production	7 7/8"	4 1/2"	11.6	6510	65/35 POZ	75	2% CC 6% GEL
					50/50 POZ	175	2% GEL 10% SALT

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	2664' - 2684'	2100 gal 15% Acid	2664-2886 Overall
2	2720' - 2736'	5000 gal 7% acid	
2	2774' - 2794'	9900 gal G.W.	
2	2830' - 2850'	9900 lbs sand	
4	2882' - 2886'		

TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
None					

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

Shut-In	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	N/A Bbls	1,000 MCF	∅ Bbls	N/A CFPB	GAS .708

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation 2664
 Sold Other (Specify)
 Used on Lease Dually Completed 2886
 Commingled

GABBERT-JONES, INC.
WICHITA, KAS.

COPY

DRILLERS WELL LOG

HAYWARD M-1
300' FNL & 1320' FWL Sec. 35-34S-39W
Stevens County, Kansas

COMMENCED: 6/16/87

COMPLETED: 6/30/87

OPERATOR: ANADARKO PETROLEUM CORPORATION

DEPTH	To	Formation	Remarks
0	30	Cased hole	30' of 20"
30	555	Sand-Clay	
555	1200	Redbed-Gyp	Ran 40 jts. of 24# 8 5/8" csg.
1200	1493	Redbed - Sand	LD @ 1742' w/625 sax Posmix
1493	1739	Redbed-Gyp	4% Gel - 2% CCC - 200 sax Common
1739	1745	Anhydrite	2% CC
1745	2145	Shale	PD @ 11:45 PM 6/17/87
2145	2570	Shale-Lime	
2570	6777	Lime-Shale	Ran 162 jts. of 11.6# 4!" csg.
6777	6842	Lime	LD @ 6510' w/75 Sax Litewt
	6842 TD		1/2# Celoflake - 5# Gilsonite
			PD @ 1:30 PM 6/30/87
			Rig released 2:00 PM

RELEASED

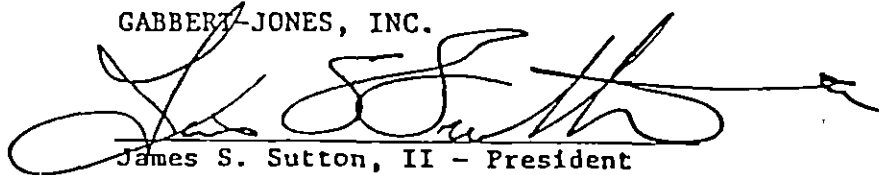
JAN 11 1989

FROM CONFIDENTIAL

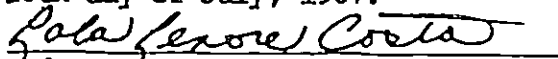
STATE OF KANSAS)
)
COUNTY OF SEDGWICK)

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
10th day of July, 1987.


Zola Lenore Costa - Notary Public

My Commission expires 11-21-88
KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH
DEC 16 1987

RECEIVED
NOV 10 1988
CONSERVATION DIVISION
Wichita, Kansas

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 # 4549
Name Anadarko Petroleum Corporation
Address P. O. Box 351
City/State/Zip Liberal, Kansas 67905

Purchaser none

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

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

Wellsite Geologist Charles Isbon
Phone 405-751-1298

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

6/17/87 6/29/87 Delayed
Spud Date Date Reached TD Completion Date
6842 2962
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 1742 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2964 feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt
Cement Company Name
Invoice #

API NO. 15-189, 21,091-00-00
County Stevens
C N/2 N/2 NW Sec. 35 Twp. 34S Rge. 39 East
X West

4980 Ft North from Southeast Corner of Section
3960 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

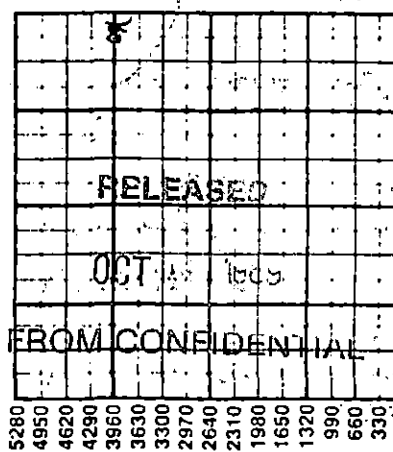
Lease Name HAYWARD "M" Well #

Field Name Vorhees West

Producing Formation NA

Elevation: Ground 3293 KB 3307

Section Plat



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 furnished 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-11 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 9/23/87

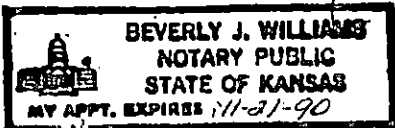
Subscribed and sworn to before me this 23rd day of Sept 1987

Notary Public Beverly J. Williams

Date Commission Expires September 21, 1990

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 RECEIVED Plug Other
STATE CORPORATION COMMISSION (Specify)
SEP 25 1987

CONSERVATION FORM ACO-1 (5-86)
Wichita, Kansas



Sec 35 Twp 34 Rge 39 W

Operator Name Anadarko Petroleum Corporation Lease Name HAYWARD "M" Well # 1

Sec. 35 Twp. 34S Rge. 39 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, Clay	30'	555'
Redbed, Gyp	555'	1200'
Redbed, Sand	1200'	1493'
Redbed, Gyp	1493'	1739'
Anhydrite	1739'	1745'
Shale	1745'	2145'
Shale, Lime	2145'	2570'
Lime, Shale	2570'	6777'
Lime	6777'	6842'

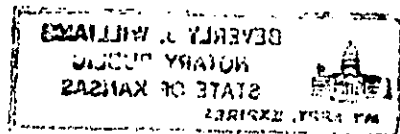
RELEASED
 OCT 24 1989
 FROM CONFIDENTIAL

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#	1742	Poz 4% Gel Common	625 200	2% CC 2% CC
Production	7-7/8"	4-1/2"	11.6#	6510	50/50 Poz	75 175	6% Bentonite 10% Salt, 5#
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	6412-19			A/700 gals. 7-1/2% MCA			
SET CIBP @	6120						
2	5990-6000			A/1500 gals. 7% HCl; BD/2000 gals. diesel			
2	5990-6000			BD/750 gals. diesel; F/2500 gals. 75 Quality			
SET CIBP @	2962 & sold wellbore to Dorchester			Hugoton Limited CO2			
TUBING RECORD							
Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
none							
Date of First Production		Producing Method					
none		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (explain) <u>none</u>					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
none		none Bbls	none MCF	none Bbls		CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) none
 Used on Lease Dually Completed
 Commingled



GABBERT-JONES, INC.
WICHITA, KAS.

DRILLERS WELL LOG

HAYWARD M-1
300' FNL & 1320' FWL Sec. 35-34S-39W
Stevens County, Kansas

COMMENCED: 6/16/87
COMPLETED: 6/30/87
OPERATOR: ANADARKO PETROLEUM CORPORATION

DEPTH From	To	Formation	Remarks
0	30	Cased hole	30' of 20"
30	555	Sand-Clay	
555	1200	Redbed-Gyp	Ran 40 jts. of 24# 8 5/8" csg.
1200	1493	Redbed - Sand	LD @ 1742' w/625 sax Posmix
1493	1739	Redbed-Gyp	4% Gel - 2% CCC - 200 sax Common
1739	1745	Anhydrite	2% CC
1745	2145	Shale	PD @ 11:45 PM 6/17/87
2145	2570	Shale-Lime	
2570	6777	Lime-Shale	RAN 162 jts. of 11.6# 4!" csg.
6777	6842	Lime	LD @ 6510' w/75 Sax Litewt
	6842	TD	1/2# Celoflake - 5# Gilsonite PD @ 1:30 PM 6/30/87 Rig released 2:00 PM

RELEASED

OCT 1 1987

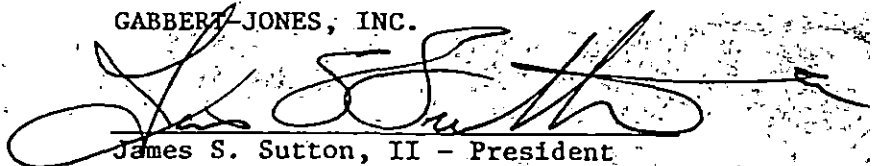
SEP 26 1987

FROM CONFIDENTIAL

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.

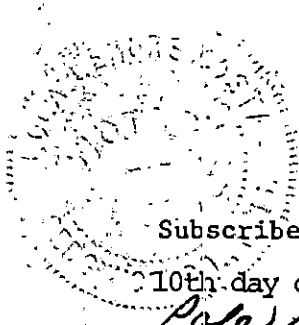
GABBERT-JONES, INC.



James S. Sutton, II - President

Subscribed & sworn to before me this

10th day of July, 1987.


Zola Lenore Costa
Zola Lenore Costa - Notary Public

My Commission expires 11-21-88

RECEIVED
STATE CORPORATION COMMISSION

SEP 25 1987

CONSERVATION DIVISION
Wichita, Kansas

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH