

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

Operator: License # 30689
Name: Marathon Oil Company
Address 1501 Stampede Avenue

City/State/Zip Cody, WY 82414
Purchaser: Koch
Operator Contact Person: R. P. Meabon
Phone (307) 587-4961
Contractor: Name: Gibson Well Service
License: 5866
Wellsite Geologist: None

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:
Operator: Marathon Oil Company
Well Name: Krautkramer #3-30
Comp. Date 10/18/88 Old Total Depth 5173'
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTD
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

2/27/95 Starting Date of Workover
----- Date Reached TD
3/4/95 Completion Date of Workover

API NO. 15- 199-20162 0002
County Wallace
C - N/2 - NE - Sec. 30 Twp. 15S Rge. 42 E
4620 Feet from (S/N) (circle one) Line of Section
1320 Feet from (E/W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)
Lease Name Krautkramer Well # 3-30
Field Name Stockholm
Producing Formation Morrow
Elevation: Ground 3908' KB 3916'
Total Depth 5300' PBTD 5173'
Amount of Surface Pipe Set and Cemented at 430 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1979 Feet
If Alternate II completion, cement circulated from 1979
feet depth to Surface w/ 200 sx cmt.
Drilling Fluid Management Plan REWORK 296 4-13-95
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. _____
_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W
County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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 R.P. Meabon
Title REGULATORY COORDINATOR Date 4/5/95
Subscribed and sworn to before me this 5th day of April,
19 95.
Notary Public Connie A. Shwartz

Notary Public
Connie A. Shwartz
County of Park
State of WY
My Commission Expires 9-6-1996
Notary Public
State of WY
My Commission Expires 9-6-1996

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
RECEIVED
DISTRIBUTION COMMISSION
KCC
KGS
SW/Rep
Plug
Other
APR 7 1995
Form ACO-1W(7-93) KANSAS

04-10-95
P1

Operator Name Marathon Oil Company Lease Name Krautkramer Well # 3-30
 Sec. 30 Twp. 15S Rge. 42 East West
 County Wallace

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
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E.Logs Run:

Log Formation (Top), Depth and Datums		Sample
Name	Top	Datum
Blaine Salt	2,285'	
Stone Corral	2,780'	
Heebner Shale	4,140'	
Morrow Shale	5,030'	
Morrow Sand	5,130'	
St. Genevieve Lm.	5,180'	
T.D.	5,300'	

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"	24.0	430'	60% Poz	250	3% CC
Production	7-7/8"	5-1/2"	15.5	5,279'	50% Poz	125	5% Salt

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
4	5132'-5140'	
4	5132'-5140 90 Total shots	None

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
		2 7/8"	5003			
Date of First <u>Resumed Production</u> SWD or Inj.	Producing Method		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
March 4, 1995						
Estimated Production Per 24 Hours	Oil NA Bbls.	Gas NA Mcf	Water NA Bbls.	Gas-Oil Ratio	Gravity	

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) Open Hole Perf. Dually Comp. Commingled 5132'-5140'
 Reinjectd Other (Specify)

ORIGINAL

7-MAR-95
16:13:40

MARATHON OIL COMPANY
HISTORY OF OIL OR GAS WELL
FROM:27-FEB-95 TO:06-MAR-95 FIELD:STOCKHOLM

PAGE 1

APT #15-199-20162-0002

WELL NO: KRAUTKRAMER #3-30

SEC 30 TWP 15.00S R. 42.00W

4620' FSL, 1320' FEL

NE NE

STATE: KS COUNTY: WALLACE

KB Elev. 3908'
Grd. or Mat. Elev. 3920'
TD 5300'
PBD 5173'

Prep by C.R. Adams
Title Adv. Engr. Tech.
Route to: Regulatory 07
WRF

PRESENT STATUS

CLASS: OIL
FORMTN: MORROW

STATUS: ACTIVE
TYPE: SINGLE

SUMMARY: While servicing this well for a tubing failure, it was reperforated at 5132'-5140' w/ 4 SPF and returned to production.

PRODUCTION TUBING FAILURE AND REPEROFRATE

- 27-FEB-95 RU GIBSON WELL SERVICE. TBG ON A VACUUM, UNSEAT PUMP, AND POOH W/ PUMP AND RODS. SDFD.
- 28-FEB-95 STRIP ON BOP'S. RELEASE TAC AND SWAB WELL DOWN. POOH W/ TBG. SDFD.
- 01-MAR-95 RU SWAB WELL BOWN. MIRU MERCURY AND REPERF WELL. (SEE TEMPLATE.) START IN HOLE WITH PRODUCTION EQUIPMENT AND SHUT DOWN DUE TO HIGH WINDS.

PERF DATA

VENDOR MERCURY GUN SIZE 4 CHG SIZE (GM) 19.0
CHG TYPE SCS CORRELATION LOG USED 6-11-93

SEQ: 1 FORM:MORROW SUB:MORROW TOP DEP: 5132
BOT DEP: 5140 DEN SPF: 4 PHAS DEG: 90 TOT SHOTS: 32

- 02-MAR-95 RIG SHUT DOWN FOR DAY.
- 03-MAR-95 RU RIH W/ PRODUCTION TBG. SET TAC W/ 18,000 STRAIN. SWAB WELL DOWN WAIT 30 MIN AND FLUID LEVEL RAISED 100 FT. SDFD.
- 04-MAR-95 RIH W/ PUMP AND RODS. HANG ON PUMP.

Additional test data attached.

cc: Tom Brock, Lamar Area Office

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APR 10 1995

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

ME605323

* PDRS MARATHON WELL TEST INFORMATION *

ID-16505

COMPLETN: 2976901 KRAUTKRAMER 3-30

YEAR: 1994

RESERVOIR: 4958 MORROW

ORG CODE: 730

OPER PROP: 15085 STOCKHOLM UNIT

API #15-199-20162-0002

UNIT: 01015 P.A.: 00000 TRACT:

D.O.:

TEST DATE	BOPD TEST OIL/COND	BWD TEST WATER	BFD TOTAL FLUID	% WATER CUT	MCFD TEST GAS	CSG PRESS	TBG PRESS
JAN 01/01/94	7.06		7.06		0.50		
FEB 02/01/94	6.86		6.86		0.50		
MAR 03/01/94	4.83		4.83		1.00		
APR 04/01/94	4.62	0.60	5.22	11.49	1.60		
MAY 05/01/94	4.40	0.53	4.93	10.75	1.00		
JUN 06/01/94	3.74	0.12	3.86	3.10	1.00		
JUL 07/01/94	4.13	0.21	4.34	4.83	0.41		
AUG 08/01/94	5.00	0.16	5.16	3.10	1.00		
SEP 09/01/94	4.31	0.11	4.42	2.48	0.43		
OCT 10/02/94	4.10	0.32	4.42	7.23	6.80		
NOV 11/01/94	10.56	0.11	10.67	1.03	34.90		
DEC 12/01/94	5.85	0.64	6.49	9.86	46.00		
12/01/94	5.85	0.64	6.49	9.86	46.00		
JAN 01/02/95	4.46	1.60	6.06	26.40	59.00		
FEB 02/02/95	3.51	0.55	4.06	13.54	38.00		

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CONSERVATION DIVISION
WICHITA, KS

NKBS 0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300		Krautkramer #3-30 API # 15-199-20162 - 0002	
		General Well Information	
		State: Kansas County: Wallace Class.: Producer Field: Stockholm Pool: Morrow License: 4/29/94 Spud: 9/18/88 On Prod: 10/18/88	
		Well Location	
		LSD: 4620' FSL, 1320' FEL Section: 30 Township: 15S Range: 42W	
		Elevations	
		KB: 3916.0 ft CF: TH: Grd: 3908.0 ft	
		Well Status	
		4/29/94 - Oil, N/A	
		Formations/Horizons	
		5030.0-Morrow Shale 5132.0-Morrow Sandstone	
		Perforations	
		5132.0-5140.0 Shots: 4.0 /ft Date: 10/11/88 5132.0-5140.0 Shots: 4.0 /ft Date: 6/11/93 5132.0-5140.0 Shots: 4.0 /ft Date: 1/12/94 5132.0-5140.0 Shots: 4.0 /ft Date: 3/1/95	
		General Notes	
		4/29/94 DV at 1979' and cemented w/ 200 sxs. (Circulated cmt. to surface). First stage cmt. top at 4680', cemented w/ 125 sxs. The well was frac'd during completion w/ 23,500 lbs. 20-40 sand, 250 gals. 10% acetic acid, and 597 gals. gelled KCl water. The well has been reperfd twice, once in June '93 and again in Jan. 94.	
		3/1/95 During a production tubing failure, this well was reperforated. See above. The 2 7/8" tbg. is anchored at 5003'.	
		Casing String(s) & Equipment	
		Surface Casing 0.0-430.0 Run: 4/29/94 OD: 8.625 ID: 8.097 Wt: 24.00 Grd: Thrd: Jnts: 0	
Production Casing 0.0-5279.0 Run: 4/29/94 OD: 5.500 ID: 4.950 Wt: 15.50 Grd: Thrd: Jnts: 0			
Other Equipment & Junk in Hole			
PBTD - TD 5173.0-5300.0 Run: 4/29/94 OD: 4.950 ID: 4.950 Wt: Grd: Thrd: Jnts: 0			
5000 - Morrow Shale 5100 - Morrow Sandstone			

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