

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

Operator: License # 30689Name: Marathon Oil CompanyAddress 1501 StampedeCity/State/Zip Cody, WY 82414-4721Purchaser: KochOperator Contact Person: R.P. MeabonPhone (307) 587-4961Contractor: Name: Gibson WELL SERVICELicense: #5866Wellsite Geologist: Russel BakDesignate 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: TRANSWESTERN OPERATINGWell Name: John Welsh #1-19Comp. Date 5/1/88 Old Total Depth 5300'

☐ Deepening ☒ Re-perf. ☐ Conv. to Inj/SWD
☐ Plug Back ☐ PBTB
☐ Commingled ☐ Docket No. ☐
☐ Dual Completion ☐ Docket No. ☐
☐ Other (SWD or Inj?) ☐ Docket No. ☐

6/17/1997 6/23/1997
Starting Date Date Reached TD Completion Date
of Workover of Workover

API NO. 15- 199-20151-0003 **COPY**County Wallace- SW - SW - SE Sec. 19 Twp. 15S Rge. 42 ☒ W330' Feet from S/N (circle one) Line of Section2310' Feet from E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE NW or SW (circle one)Lease Name John Welsh Well # 1-19Field Name StockholmProducing Formation MorrowElevation: Ground 3,923' KB 3,928'Total Depth 5,300' PBTB 5,258'Amount of Surface Pipe Set and Cemented at 433 FeetMultiple Stage Cementing Collar Used? ☒ Yes ☐ NoIf yes, show depth set 1982 FeetIf Alternate II completion, cement circulated from 1982feet depth to surface w/ 250 sx cmt.Drilling Fluid Management Plan REWORK JN 2-26-98
(Data must be collected from the Reserve Pkt)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

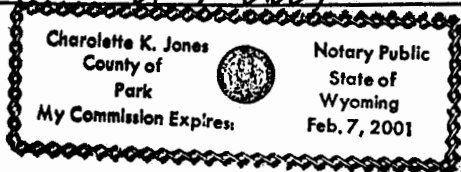
Lease Name _____ License No. _____

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, 130 S. Market - Room 2078, 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. MeabonTitle Regulatory Coordinator Date 12/31/97Subscribed and sworn to before me this 31st day of December, 19 97.Notary Public Charlotte K. Jonesate Commission Expires 2-7-2001

K.C.C. OFFICE USE ONLY	
F	Letter of Confidentiality Attached
C	Wireline Log Received
C	Geologist Report Received
Distribution	
☒ KCC	☐ SWD/Rep
☐ KGS	☐ NGPA
STATE ☒ PLUG ☐ Other (Specify)	
JAN 8 1998	

Form ACO-1 (7-97)

Operator Name Marathon Oil Company

SIDE TWO

Lease Name John WelshWell # 1-19Sec. 19 Twp. 15S Rge. 42☐ EastCounty Wallace☒ West

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
(Attach Additional Sheets.)☐ Yes ☒ No

Samples Sent to Geological Survey

☐ Yes ☒ No

Cores Taken

☐ Yes ☒ NoElectric Log Run
(Submit Copy.)☐ Yes ☐ No

List All E.Logs Run:

☒ Log

Formation (Top), Depth and Datum

☐ Sample

Name

Top

Datum

Blaine Salt	2282'	
Stone Corral	2790'	
Heebner	4150'	
Morrow Shale	5042'	
Morrow Sand	5150'	
St. Genevieve	5178'	

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	12-1/4	8-5/8	24	433	60-40 Poz	250	3% CaCl ₂ gel
Production	7-7/8	5-1/2	15.5	5291	50% Poz	125	5% Salt

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD	N/A			
☐ 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
6/18/1997 4 SPF	23 gram charges from 5150'-5164'	None	
	90 total shots		

TUBING RECORD	Size	Set At	Packer At	Liner Run ☐ Yes ☐ No
Date of First, Resumed (Production, SWD or Inj.)	6/21/1997	Producing Method	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)	
Estimated Production Per 24 Hours	Oil 40 BOPD	Gas 87 MCFPD	Water 0 BOPD	Gas-Oil Ratio Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☒ Used on Lease
(If vented, submit ACO-18.)

☐ Open Hole ☐ Perf. ☒ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

Marathon Oil Company

COPY

Well #19

API Code	15-199-20151	Field Code	
ID	5300.0 RKB	Basin	
PBTD	5258.0 RKB	Basin Code	
State	Kansas	Permit	
County	Wallace	Spud	4/20/88
District		Finish Dri	4/28/88
Permit No.		Completion	
ID Measured		Abandon	
Reservoir	Morrow		
Field	Stockholm		

Location

Meridian	6 th	Top Latitude	0
Township	15 South	Top Longitude	0
Range	42 West	Top NS Distance	
Section	330' FSL, 2310' FEL Sec.19	Top EW Distance	
Quarter	SW SW Sec.19	Bottom Latitude	0
		Bottom Longitude	0
		Btm NS Distance	
		Btm EW Distance	

Elevations

KB	3928.0 ft	Cas Flng	
Grd	3923.0 ft	Tub Head	
KB-Grd	5.0 ft		

Casing String - Surface Casing

Item	Btm	Ints	ID	Wt	Grd	Thd
(in)	(ftKB)					
8 5/8 in Surface Casing	433.0	10	8 3/32	24.00		

Casing String - Production Casing

Item	Btm	Ints	ID	Wt	Grd	Thd
(in)	(ftKB)					
5 1/2 in Production Casing	5291.0	126	4 61/64	15.50		

Casing Cement

Casing String	Top	Amount	Comments
	(ftKB)	(sx)	
Surface Casing	0.0	250	
Production Casing	0.0	250	1st Stage, Cmt. Sleeve at 1982'
Production Casing	4690.0	125	1st Stage

General Notes

Date	Note
6/18/97	Reperforated as below during a routine tubing failure. Reset 2 7/8" tbg. as before, at 5184'.

Perforations

Date	Int	Shots	Type
		(ft)	
4/29/88	5150.0 - 5156.0	4.0	Jet Perforation
4/13/93	5150.0 - 5156.0	4.0	Jet Perforation
6/18/97	5150.0 - 5156.0	4.0	Jet Perforation

Formation/Horizon Tops

Top Formation	(ftKB)
Blaine Salt	2282.0
Stone Corral	2790.0
Heebner	4150.0
Morrow Shale	5042.0
Morrow Sand	5150.0
St. Genevieve	5178.0

STATE OF KANSAS

JAN 8 1998

CERTIFICATE OF RECORD

Morrow Shale
Morrow Sand
St. Genevieve