

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

City/State/Zip Cody, WY 82414-4721

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: Bergquist 4-32

Comp. Date 7/15/93 Old Total Depth 5300'

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

4/14/97 9/29/87 4/22/97
Starting Date Date Reached TD Completion Date
of Workover of Workover

API NO. 15- 199-20114 -006 Z

County Wallace

- NW - NW - NE Sec. 32 Twp. 15S Rge. 42 X W

2310 ⁴⁹⁵⁰ Feet from (S)N (circle one) Line of Section

4950 ²³¹⁰ Feet from (S)W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (S), NW or SW (circle one)

Lease Name Bergquist Well # 4-23

Field Name Stockholm

Producing Formation Morrow

Elevation: Ground 3878' KB 3883'

Total Depth 5300' PBSD 5175'

Amount of Surface Pipe Set and Cemented at 387 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1945 Feet

If Alternate II completion, cement circulated from 1945

feet depth to Surface w/ 500 sx cmt.

Drilling Fluid Management Plan REWORK 2-16-98
(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, 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. Meabon

Title Regulatory Coordinator Date 1/7/98

Subscribed and sworn to before me this 7th day of January, 1998.

Notary Public Connie A. Olomaa

Date Commission Expires 9-6-2000

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
STAT Distribution
KCC SWD/Rep NGPA
KGS Plug Other
JAN 12 1998 (Specify)

01-12-98

1ST: WAF, ENG, DMJ, GJP, SJP, Colo Field Office, TBC (Hous)

SIDE TWO

Operator Name Marathon Oil Company Lease Name Bergquist Well # 4-32

Sec. 32 Twp. 15S Rge. 42 East County 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 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:

| Name | Top | Datum |
|---------------|-------|--------|
| Stone Corral | 2750' | 1133' |
| Heebner | 4114' | 231' |
| Atoka | 4893' | -1010' |
| Morrow Shale | 5026' | -1143' |
| Morrow Sand | 5125' | -1242' |
| St. Genevieve | 5196' | -1313' |

| CASING RECORD <input 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# | 387 | 60% Poz | 250 | 3% CC |
| Production | 7-7/8" | 5-1/2" | 15.5# | 5280 | 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 SPF | 5125'-5146' - 90 Total | NA | |

| TUBING RECORD | | Size | Set At | Packer At | Liner Run | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
|---------------|--|--------|--------|-----------|-----------|--|--|
| | | 2-7/8" | 5133' | 5032' | | | |

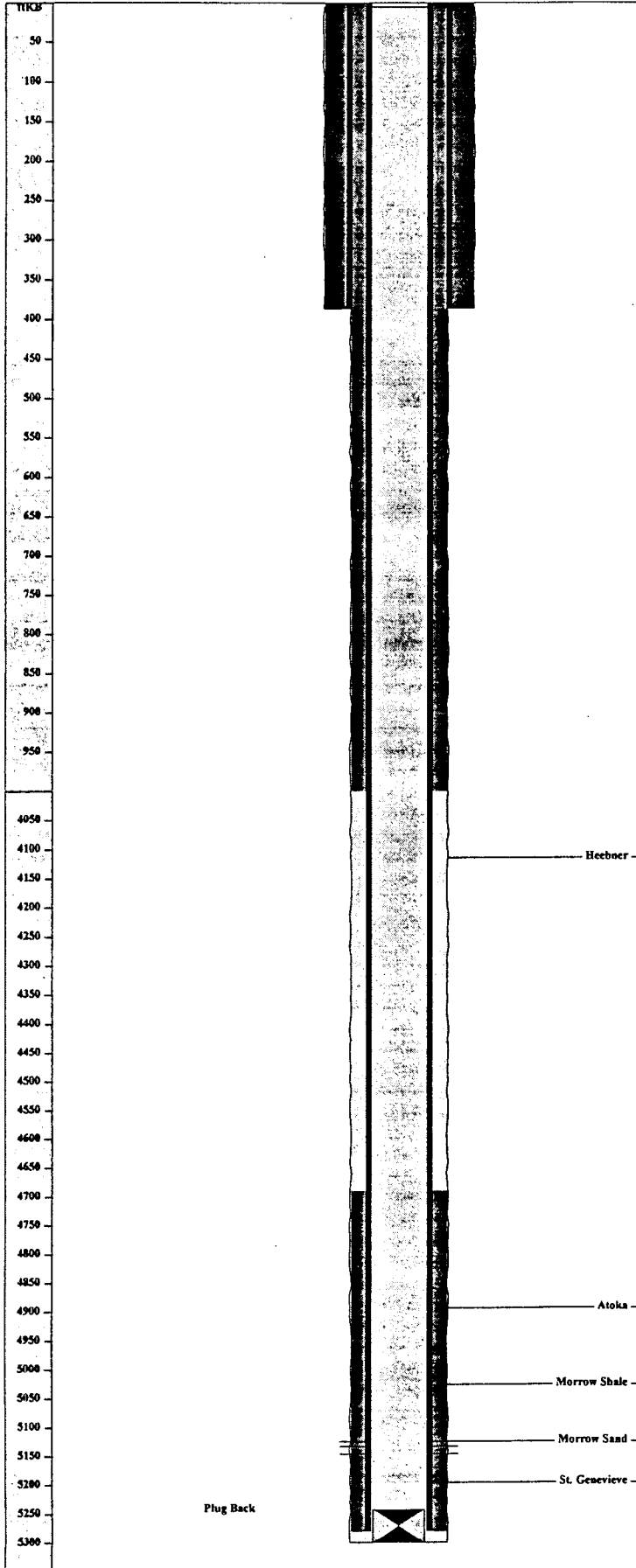
| Date of First, Resumed Production, SWD or Inj. | Producing Method | <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) | | | | | |
|--|------------------|---|--|--|--|--|--|
| 4/22/97 | | | | | | | |

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| | 51 | 0 | 0 | | |

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) NA

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____



| T.W. Bergquist #4 (4-32) | | | |
|----------------------------|--|------------------|----------------------|
| API Code | 15-199-20114 | Field Code | |
| TD | 5300.0 HKB | Basin | |
| PBTD | 5242.0 HKB | Basin Code | |
| State | Kansas | Permit | |
| County | Wallace | Spud | 9/22/87 |
| District | | Finish Drl | 9/30/87 |
| Permit No. | | Completion | |
| TD Measured | 5300' | 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 | 4950' FEL, 2310' FSL Sec.32 | Top EW Distance | |
| Quarter | NW NE Sec.32 | Bottom Latitude | 0 |
| | | Bottom Longitude | 0 |
| | | Btm NS Distance | |
| | | Btm EW Distance | |
| Elevations | | | |
| KB | 3883.0 ft | Cas Flng | |
| Grd | 3878.0 ft | Tub Head | |
| KB-Grd | 5.0 ft | | |
| Casing String - Surface | | | |
| Item (in) | Btm (ftKB) | Jnts | ID Wt Grd Thd |
| 8 5/8 in Casing | 387.0 | 9 | 8 3/32 24.00 |
| Casing String - Production | | | |
| Item (in) | Btm (ftKB) | Jnts | ID Wt Grd Thd |
| 5 1/2 in Casing | 5280.0 | 173 | 4 61/64 15.50 LSR2 |
| Casing Cement | | | |
| Casing String | Top (ftKB) | Amount (sx) | Comments |
| Surface | 0.0 | 250 | |
| Production | 4690.0 | 125 | 1st. stage. |
| Production | 0.0 | 500 | Port collar at 2616' |
| General Notes | | | |
| Date | Note | | |
| 9/6/94 | Port collar at 2616'. Surface csg. cemented w/ 250 sxs. cmt. to surface. Production string cemented w/ 125 sxs. first stage and 500 sxs. second stage, cmt. to surface. Perfs 5133'-38' acidized w/ 250 gals. 7 1/2% MSR-150 and perfs 5125'-28' w/ 250 gals. 7 1/2% MSR-150 during 10/87. Reperf'd 7/93 and 2/94. | | |
| 4/15/97 | Reperf'd as below. The 2 7/8" tbg. was set as before, at 5133'. | | |
| Perforations | | | |
| Date | Int | Shots Type (ft) | |
| 10/13/87 | 5125.0 - 5128.0 | 4.0 JSPF | |
| 7/14/93 | 5125.0 - 5146.0 | 4.0 JSPF | |
| 2/12/94 | 5125.0 - 5146.0 | 4.0 JSPF | |
| 4/15/97 | 5125.0 - 5146.0 | 4.0 JSPF | |
| 10/10/87 | 5133.0 - 5138.0 | 4.0 JSPF | |
| Formation/Horizon Tops | | | |
| Top Formation (ftKB) | | | |
| 2750.0 | Stone Corral | | |
| 4114.0 | Heebner | | |
| 4893.0 | Atoka | | |
| 5026.0 | Morrow Shale | | |
| 5125.0 | Morrow Sand | | |
| 5196.0 | St. Genevieve | | |

STATE CORPORATION COMMISSION

JAN 12 1998

C. R. ADAMS