

ORIGINAL

SIDE ONE

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

Operator: License # 5171

Name: Marathon Oil Company

Address P. O. Box 2690

City/State/Zip Cody, WY 82414

Purchaser: _____

Operator Contact Person: Randy Meabon

Phone (307) 587-4961

Contractor: Name: Murfin Drilling Co.

License: 6033

Wellsite Geologist: Dave Flinn

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

If OMAO: old well info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

01/03/91 01/14/91 01/16/91
Spud Date Date Reached TD Completion Date

API NO. 15- 071-20535-00-00

County Greeley

W/2 NW SW Sec. 26 Twp. 20S Rge. 42 East West

2100 Ft. North from Southeast Corner of Section

4950 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

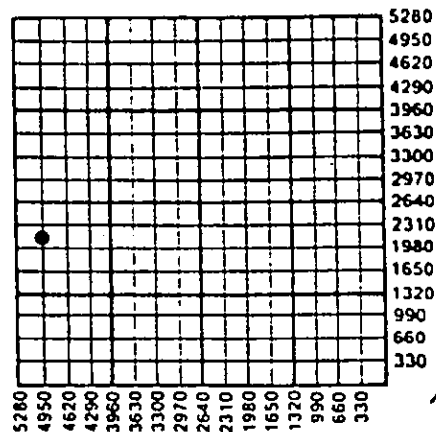
Lease Name Spears Well # 1

Field Name Wildcat

Producing Formation N/A

Elevation: Ground 3736' KB 3745'

Total Depth 5400' PBTD Surface



Air II Dry

Amount of Surface Pipe Set and Cemented at 478 (K.B.) Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 03-08-91 Feet

If Alternate II completion, cement circulated from 1991

feet depth to _____ w/ _____

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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. Meabon

Title Regulatory Coordinator Date 3/4/91

Subscribed and sworn to before me this 5th day of March 19 91.

Notary Public Mary C. Hausch

My Commission Expires 11-7-92
County of Park State of Wyoming
My Commission Expires Nov. 7, 1992

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

P1

SIDE TWO

Operator Name Marathon Oil Company Lease Name Spears Well # 1
 Sec. 26 Twp. 20S Rge. 42 East County Greeley
 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<p style="text-align: center;">Formation Description</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Bottom</th> </tr> </thead> <tbody> <tr> <td>Base Stone Corral</td> <td style="text-align: center;">--</td> <td style="text-align: center;">2400'</td> </tr> <tr> <td>Morrow Shale</td> <td style="text-align: center;">5042'</td> <td></td> </tr> <tr> <td>Morrow Limestone</td> <td style="text-align: center;">5150'</td> <td></td> </tr> <tr> <td>Mississippian</td> <td style="text-align: center;">5180'</td> <td></td> </tr> </tbody> </table>	Name	Top	Bottom	Base Stone Corral	--	2400'	Morrow Shale	5042'		Morrow Limestone	5150'		Mississippian	5180'	
Name	Top	Bottom														
Base Stone Corral	--	2400'														
Morrow Shale	5042'															
Morrow Limestone	5150'															
Mississippian	5180'															

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	478' KB	Lite	145	3% CC
					Common	125	3% CC
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used) Depth			
	N/A			N/A			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size Set At Packer At		N/A					
Date of First Production		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
N/A							
Estimated Production Per 24 Hours		Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
		--	--	--	--	--	

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

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval _____

ORIGINAL

15-071-20535-00-00

DATE January 16, 1990

Marathon Oil Company

FIELD South Stockholm

HISTORY OF OIL OR GAS WELL

WELL NO. 1 LEASE Spears B BLOCK 26 TWP. 20S R. 42W

STATE Kansas PARISH _____ COUNTY Greeley County

GL ELEV. 3736'

MEASUREMENTS TAKEN FROM { TOP OF OIL STRING _____ ELEV. _____
TOP OF ROTARY TABLE KB ELEV. 3745'
GRD. OR MAT. _____ ELEV. _____

HISTORY PREPARED BY V. A. Mees *VAM*
TITLE Secretary

It is of the greatest importance to have a complete history of the well. Use this form in reporting the history of all important operations at the well, together with the dates thereof, including size of hole, size and number of bits, complete description of casing, cementing, fishing or drilling difficulties, surveys, all tests, all completion operations and procedure, etc.

AFE TXO #6-248-0

DATE	DESCRIPTION
1991	
01-04	RIG DAY: 1 FOOTAGE: 478' CURRENT STATUS: WOC DEPTH: 478' FORMATION: Shale MUD WEIGHT: 9.3 ppg WORK DESCRIPTION: Accepted rig on modified turnkey. Spudded well at 11:00 hours - 01/03/91. Drilled and surveyed 0'-478'. Ran 8-5/8" surface casing to 478'. Cemented same with 270 sx cement. Waited on cement. SURVEYS: 132', .75°, Totco; 262', .75°, Totco; 373', 1.00°, Totco; 478', .50°, Totco.
01-05	RIG DAY: 2 FOOTAGE: 1399' CURRENT STATUS: Drilling DEPTH: 1877' FORMATION: Salt MUD WEIGHT: 8.8 ppg WORK DESCRIPTION: Nippled up BOP while WOC and tested BOP to 1200 psi. Drilled and surveyed 478'-1877'. SURVEYS: 997', .50°, Totco; 1500', .75°, Totco.
01-06	RIG DAY: 3 FOOTAGE: 888' CURRENT STATUS: Drilling DEPTH: 2765' FORMATION: Chase MUD WEIGHT: 9.3 ppg WORK DESCRIPTION: Drilled 7-7/8" hole 1877'-2471'. Tripped for new bit. Drilled 2471'-2765'. SURVEYS: 2003', 1.00°, Totco; 2471', 1°, Totco.
01-07	RIG DAY: 4 FOOTAGE: 157' CURRENT STATUS: Stuck pipe DEPTH: 2922' FORMATION: Chase MUD WEIGHT: 9.3 ppg WORK DESCRIPTION: Drilled 2765'-2906'. Lost circulation briefly and re-established returns. Drilled 2906'-2922'. Lost circulation and stuck pipe. Reestablished returns and spotted oil while working stuck pipe. SURVEYS: N/A
10-08	RIG DAY: 5 FOOTAGE: 91' CURRENT STATUS: Drilling DEPTH: 3013' FORMATION: Chase MUD WEIGHT: 9.2 ppg WORK DESCRIPTION: Continued working stuck pipe and spotted 200 bbls crude oil in hole. Pipe came free. TOOH, repaired air compressors. TIH, drilled and surveyed 2922-3013'. SURVEYS: 2973', .75°, Totco.
10-09	RIG DAY: 6 FOOTAGE: 633' CURRENT STATUS: Drilling DEPTH: 3646' FORMATION: Lansing MUD WEIGHT: 9.1 ppg WORK DESCRIPTION: Drilled 7-7/8" hole 3013'-3646'. SURVEYS: 3507', 1.00°, Totco.
10-10	RIG DAY: 7 FOOTAGE: 524' CURRENT STATUS: Drilling DEPTH: 4170' FORMATION: Lansing MUD WEIGHT: 8.9 ppg WORK DESCRIPTION: Drilled 3646'-4008'. Displaced hole fresh gel mud. Drilled 4008'-4170'. SURVEYS: 3978', .50°, Totco.

MAR 8 1991
CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

15-071-20535-00-00

01-11 RIG DAY: 8 FOOTAGE: 520' CURRENT STATUS: Drilling
DEPTH: 4690' FORMATION: Marmaton MUD WEIGHT: 9.0 ppg
WORK DESCRIPTION: Drilled 4170'-4263'. Lost circulation - 40 bbls. Regained full circulation. Drilled and surveyed 4263'-4690'.
SURVEYS: 4477', 1.00°, Totco.

01-12 RIG DAY: 9 FOOTAGE: 321' CURRENT STATUS: Drilling
DEPTH: 5011' FORMATION: Marmaton MUD WEIGHT: 9.1 ppg
WORK DESCRIPTION: Drilled 4690'- 4735'. Lost circulation. Mixed pills and regained returns. Drilled 4735'-5011'.
SURVEYS: N/A

01-13 RIG DAY: 10 FOOTAGE: 165' CURRENT STATUS: Lost circulation
DEPTH: 5176' FORMATION: Morrow MUD WEIGHT: 8.9 ppg
WORK DESCRIPTION: Drilled 5010'-5080'. Circulated for samples. Surveyed. Drilled 5080'-5176'. Lost returns. TOOH 14 stands. Mixed and pumped LCM pills. TIH. Lost returns. TOOH 14 stands. Mixed and pumped LCM pills. TIH. Lost returns. TOOH 4 stands. Mixed LCM pills.
SURVEYS: 5080', 1.00°, Totco.

01-14 RIG DAY: 11 FOOTAGE: 224' CURRENT STATUS: Circ./Cond. hole
DEPTH: 5400' FORMATION: Mississippian MUD WEIGHT: 9.0 ppg
WORK DESCRIPTION: Continued fighting lost circulation at 5176'. Lost total of 1200 bbls mud. Regained full returns. Drilled 5176'-5400' (TD). Circulated and conditioned hole for logging.
SURVEYS: N/A

01-15 RIG DAY: 12 FOOTAGE: -0-' CURRENT STATUS: Logging
DEPTH: 5400' FORMATION: Mississippian MUD WEIGHT: 9.0 ppg
WORK DESCRIPTION: Circulated and conditioned hole. Made 10 stand short trip and circulated. Lost circulation. Pumped 2-200 bbl LCM pills and regained returns. TOOH. Rigged up and ran wireline logs. Loggers TD = 5374'.
SURVEYS: N/A

01-16 RIG DAY: 13 FOOTAGE: PBSD=Surf. CURRENT STATUS: P&A - Rig Released
DEPTH: 5400' FORMATION: P & A MUD WEIGHT: 9.0 ppg
WORK DESCRIPTION: Finished logging. Waiting on orders. TIH with BHA. Circulated. TOOH. Laid down drill collars. TIH open ended. Waiting on cementers. Set five abandonment plugs (210 sxs). Released rig at 6:00 a.m., 01/16/91.
SURVEYS: N/A

MAR 8 1991
UNCLERIFIED DIVISION
Wichita, Kansas

HALLIBURTON SERVICES

WELL NO. RT-1

LEASE # 7592

TICKET NO.

JOB LOG

CUSTOMER Marathon Oil Co.

PAGE NO. 1

JOB TYPE PTA

DATE 1-15-91

FORM 2013 R-1

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASINO	
								ORIGINAL
								ON LOCATION
		5	10				600	
2076		5	14.7				400	START CEMENT (50 SKS @ 5225')
			3.5				400	START
			60.9				200	START Mud
								Plug balanced
								Pull Pipe
								2nd Plug 50 SKS @ 2400 FT
		5	10					START WATER Ahead
		7.5	14.7					MIX CEMENT
		3.5	3.5					START WATER behind
		7	26.8					START Mud Despl.
								Finish Despl. Plug down & BALANCED
								Pulling Pipe
								3rd Plug 50 SKS @ 1400 FT
		5	10					START WATER Ahead
		7.5	14.7					MIX CEMENT
		3.5	3.5					START WATER behind
								START Mud Despl.
		6	12.5					Finish Mud Despl. Plug BALANCED
								Pulling Pipe
								4th Plug 30 SKS @ 500 FT
		7	21					START WATER Ahead
		7.5	14.7					MIX CEMENT
								START DESPLACEMENT/WATER
		3.5	3.5					Finish Despl. Plug Down & BALANCED
								Pulling Pipe
								5th Plug 10 SK Top Surface
		2.9	2.9					MIX CEMENT
								6th Plug 10 SKs Mouse hole
		2.9	2.9					MIX CEMENT
		4	4.4					7th Plug 15 SKs Rat hole

MAR 8 1991

COURTESY OF MARATHON OIL COMPANY

ORIGINAL

WELL DATA

FIELD: 26 TRAP: 70 RING: 43W COUNTY: Greene STATE: Ks

FORMATION NAME: _____ TYPE: _____

FORMATION THICKNESS: FROM _____ TO _____

INITIAL PRODI OIL: _____ SPD. WATER: _____ SPD. GAS: _____ MCFD

PRESENT PRODI OIL: _____ SPD. WATER: _____ SPD. GAS: _____ MCFD

COMPLETION DATE: _____ MUD TYPE: _____ MUD WT. _____

PACKER TYPE: _____ SET AT _____

BOTTOM HOLE TEMP.: _____ PRESSURE _____

MISC. DATA: _____ TOTAL DEPTH _____

JOB DATA

CALLER OUT DATE: 1-15 ON LOCATION DATE: 1-15 JOB STARTED DATE: 1-15-91 JOB COMPLETED DATE: 1-16-91

TIME: 15:36 TIME: 19:30 TIME: 20:24 TIME: 05:45

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
READ		
PACKER		
OTHER		

MATERIALS

TREAT. FLUID: _____ DENSITY: _____ LB/GAL. API _____

DISPL. FLUID: _____ DENSITY: _____ LB/GAL. API _____

PROP. TYPE: _____ SIZE: _____ LB. _____

ACID TYPE: _____ GAL. _____

ACID TYPE: _____ GAL. _____

ACID TYPE: _____ GAL. _____

SURFACTANT TYPE: _____ GAL. _____

HE AGENT TYPE: _____ GAL. _____

FLUID LOSS AGENT TYPE: _____ GAL. LB. _____

GELING AGENT TYPE: _____ GAL. LB. _____

FRIC. RED. AGENT TYPE: _____ GAL. LB. _____

BREAKER TYPE: _____ GAL. LB. _____

BLOOMING AGENT TYPE: _____ GAL. LB. _____

PERF. BALLS TYPE: _____ QTY. _____

OTHER: _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
F. P... 44366	33070	Le... Co.
J. P... 07577	704	"
W. L. ... R 2085	5070	"
B. D. ... 46466	40079	LAMARCO

DEPARTMENT: C 117

DESCRIPTION OF JOB: PTA

JOB DONE THROUGH TUBING CASING ANNULUS TRO. JANN.

CUSTOMER REPRESENTATIVE: X Tom Bank

HALLIBURTON OPERATOR: TE P... COPIES REQUIRED: 1

CEMENT DATA

STAGE	NUMBER OF BAGS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIONS	VOLUME CU. FT./GAL.	MIXED LB./GAL.
1	50	SET AT	5225'			60% CMT 40% Poz (Label) 1/4" Floccle	1.66	13.8
2	50	"	2400'			"		
3	50	"	1900'			"		
4	50	"	500'			"		
5	10	"	40'			"		

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING: _____ DISPLACEMENT: _____ PRES. PSI: _____ BEL. GAL. _____ TYPE: _____

BREAKDOWN: _____ MAXIMUM: _____ LOAD @ WDR: _____ BEL. GAL. _____ PAPI: _____ BEL. GAL. _____

AVERAGE: _____ FRACTURE GRADIENT: _____ TREATMENT: _____ BEL. GAL. _____ DISPL: _____ BEL. GAL. _____

SHUT-IN: INSTANT _____ 5 MIN. _____ 15 MIN. _____ CEMENT SLURRY: _____ BEL. GAL. _____

HYDRAULIC HORSEPOWER: _____ TOTAL VOLUME: _____ BEL. GAL. _____

ORDERED: _____ AVAILABLE: _____ USED: MAR 8 1991 AVERAGE RATES IN BPM: _____

TREATING: _____ DISPL.: _____ OVERALL: _____ CEMENT LEFT IN PIPE: _____

REMARKS: 15 lbs cement per sack

Wichita, Kansas

RETAIN

Vertical text on the right edge of the page, including "10.591" and other markings.