

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 P.O. Box 2690

City/State/Zip Cody, WY 82414-2690

Purchaser: ---

Operator Contact Person: R.P. Meabon

Phone (307) 587-4961

Contractor: Name: Patrick Well Service
Little R Well Service

License: NA

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)
Water Injection

If Workover:

Operator: Marathon Oil Company

Well Name: Otis #3

Comp. Date 9/29/93 Old Total Depth 5300'

Deepening Re-perf. Conv. to Inj/SWD

Plug Back 5180' PBTD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj) Docket No. E-26, 199

Spud Date 2/22/84 Date Reached TD 2/16/84 Completion Date 3/30/84

9-29-93

API NO. 15- 071-20317-0001

County Greeley

- NE - SW - NE Sec. 12 Twp. 16S Rge. 43 X W

1650 Feet from X/N (circle one) Line of Section

1650 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 Otis Well # 3

Field Name Stockholm

Producing Formation Morrow

Elevation: Ground 3896' KB 3906'

Total Depth 5300' PBTD 5180'

Amount of Surface Pipe Set and Cemented at 475' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 1800'
and

~~XXXXXXX~~ 1000' w/ total 450 sx cmt.
See Side Two

Drilling Fluid Management Plan REWORK 8/12-8-93
(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 OCT 12 1993

Lease Name CONSERVATION DIVISION License No. _____

Quarter WICHITA, KS 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.

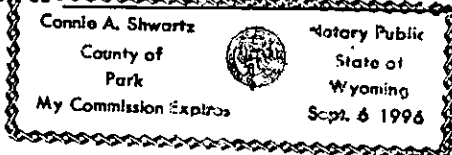
Signature R.P. Meabon

Title Regulatory Coordinator Date Oct. 5, 1993

Subscribed and sworn to before me this 5th day of October, 1993.

Notary Public Connie A. Schwartz

Date Commission Expires 9-6-1996



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received N/A
C Geologist Report Received
Distribution
 KCC 10/12/93 SWD/Rep NGPA
 KGS Plug Other
(Specify)

Operator Name Marathon Oil Company Lease Name Otis Well # 3
 Sec. 12 Twp. 16S Rge. 43 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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No)	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No)NA	Stone Corral	2744'	
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No)	Lansing	4220'	
List All E.Logs Run:		Marmaton	4608'	
		Cherokee	4741'	
		Morrow	5035'	
		Mississippian	5195'	

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#	475'	Class 'C'	280	3% CaCl ₂
Production	7-7/8"	4-1/2"	10.5#	4260'	50-50 Poz	200	5% salt, 3/4% D-65

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate				
<input checked="" type="checkbox"/> Protect Casing	1000-1800'	Light & H	150	100 s. Light & 50 sx. Class H w/3% CaCl ₂
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone	*Sur.-1000'	Light & H	180	130 sx. Light & 50 sx. Class H w/3% CaCl ₂

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
	Sqz. holes @ 1800', RBP@5100', CR@1704'	See above
	Sqz. holes @1000', RBP@5110', Pkr.@ 890'	See above
	Additional cmt. @ right, pkr. @ 810'	Sqz. 50 sx. H, 3% CaCl ₂ ; 50 sx. neat 1000'
4	Additional cmt. @ right, Reperforated 5138'-5170'	Spot 20 sx. Light, 1% CaCl ₂ 1030'
		Spot 25 sx. Class H, no add.

TUBING RECORD	Size <u>2-3/8"</u>	Set At	Packer At <u>5113'</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or <u>(Inj.)</u>	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Pending Approval				
Estimated Production Per 24 Hours	Oil <u>N/A</u> Bbls.	Gas <u>N/A</u> Mcf	Water <u>N/A</u> Bbls.	Gas-Oil Ratio Gravity

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

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

Production Interval: _____

* Calculated

4-OCT-93
13:01:38

MARATHON OIL COMPANY
HISTORY OF OIL OR GAS WELL
FROM:30-MAR-93 TO:03-OCT-93 FIELD:STOCKHOLM
WELL:OTIS #3

PAGE 1

AFE 0
FLUID SHOT

RECEIVED
KANSAS CORPORATION COMMISSION

OCT 12 1993

CONSERVATION DIVISION
WICHITA, KS

30-MAR-93 RU CABLE INC. SHOT FLUID LEVEL. 5031 FTF.
OPR PROP:STOCKHOLM UNIT

AFE 380993
CONVERSION

19-MAY-93 MI RU PATRICK WELL SERVICE. BACK OFF RODS AND POOH AND LAY
DOWN RODS. SDFD.

20-MAY-93 RU AND RELEASE TBG. ANCHOR. POOH W/ TBG. RU RIH W/ 3 7/8
BIT AND 4 1/2 SCRAPER. TAGGED PBTD AT 5180. PRESSURE TEST
TBG. TO 800# AND IT FAILED. POOH AND FOUND TBG. LEAK ON
THE 132 JOINT. RU AND RIH W/ RBP AND PACKER. SET RBP AT
5100. POOH AND SET PKR AT 5070. COULD NOT GET RBP TO
TEST. LOADED HOLE W/ WATER AND PRESSURE TEST CSG. FROM
5100 TO SURFACE TO 800# AND IT HELD. LATCHED ONTO AND
RELEASED RBP. STARTED OUT OF THE HOLE W/ TBG. SDFD.

21-MAY-93 FINISH POOH AND LAYING DOWN TBG. RIG DOWN.

16-AUG-93 MIRU LITTLE R WELL SERVICE. RIH W/ RBP AND PACKER. SET
RBP AT 5110. POOH AND SET PACKER AT 5078. LOADED HOLE AND
PRESSURE TEST RBP TO 800# AND IT HELD. SPOT 2 SXS OF SAND
ON TOP OF RBP. POOH W/ TBG AND SDFD.

17-AUG-93 RIH W/ SHIFTING TOOL AND LATCH INTO CEMENT SLEEVE. OPENED
SLEEVE BUT WAS UNABLE TO PUMP THROUGH IT. RU MERCURY
WIRELINE AND PERF. AT 1800 FT. RU HALCO AND SET AN
INJECTION RATE OF 2BPM AT 250#. COULD NOT CIRCULATE. RIH
AND SET CEMENT RETAINER AT 1704. RU HALCO PUMP 100 SXS OF
HALCO LIGHT AND 50 SXS OF CLASS H W/ 3% CC. DISPLACEMENT
PRESSURE WAS 750#. POOH W/ TBG AND RU MERCURY AND RIH AND
PERF. AT 1000 FT. RU RIH AND SET A PACKER AT 890. BROKE
CIRCULATION W/ 20 BBL WATER. RU HALCO AND PUMPED 130 SXS
OF HALCO LIGHT AND 50 SXS OF CLASS H W/ 3% CC. HAD FULL
RETURNS WHILE CEMENTING. SDFD.

18-AUG-93 UNSEAT PACKER AND POOH W/ TBG. RU RIH W/ 3 7/8 DRILL BIT
AND DRILL OUT TOP PLUG. PRESSURE TEST TO 800# AND IT HELD.
START DRILLING THROUGH CEMENT RETAINER AND SDFD.

19-AUG-93 CHANGE OUT 3 7/8 DRILL BIT. DRILLED THROUGH RETAINER AND

4-OCT-93
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FROM:30-MAR-93 TO:03-OCT-93 FIELD:STOCKHOLM
WELL:OTIS #3

PAGE 2

- CEMENT. COULD NOT GET HOLES AT 1800 FT. TO HOLD. PUMPED INTO THEM AT 2 BPM AT 100#. SDFD,
- 20-AUG-93 RIH W/ PKR AND ISOLATE LEAK AT 1000 FT, SET PKR AT 810. RU HALCO PRESSURE TEST CSG AND IT HELD. RU PD TBG W/ 50 SXS CLASS H W/ 3% CC AND 50 SXS CLASS H NEAT. STAGED CEMENT 2HRS BEFORE IT WOULD HOLD 800#. SDFD.
- 21-AUG-93 POOH W/ PKR. RU DRILL OUT CEMENT TO 1000 FT. PRESSURE TEST CSG TO 800# AND IT WOULD LEAK OFF TO 600# IN 15 MIN. ISOLATED LEAK AT 1000 FT. SDFD.
- 23-AUG-93 RU RIH W/ TBG. OPENED ENDED TO 1030. SPOT A BALANCED PLUG OF 20 SXS HALCO LIGHT W/ 1% CACL2. POOH TO 840 AND REVERSED OUT EXCESS CEMENT. PRESSURE SQUEEZE TO 1000# AND STAGED IT FOR 2 1/2 HRS. SDFD.
- 24-AUG-93 PRESSURE TEST CSG TO 800 # AND IT HELD. POOH W/ TBG AND RIH W/ 3 7/8 BIT AND SCRAPER. TAGGED CEMENT TOP AT 957 AND DRILLED 10 FT. CEMENT WASN'T SET UP. SDFD.
- 25-AUG-93 RU DRILLED OUT CEMENT. PRESSURE TEST CSG. AND WELL LEAKED 120# IN 15 MIN. POOH W/ BIT AND SCRAPER, RU RIH W/ PKR. SET PKR AT 1040 AND PRESSURE TEST CSG TO 1000# AND IT HELD. RIH TO 1793 AND SET PKR, PRESSURE TEST CSG TO 1000# AND IT HELD. RIH AND SET PKR AT 1825 AND COULD NOT GET PKR TO SET. POOH W/ PKR, RU RIH W/ TBG TO 1825. RU HALCO SPOT 25 SXS OF CLASS H CEMENT. POOH W/ TBG TO 1672 AND REVERSED OUT EXCESS CEMENT. PRESSURE CEMENT TO 1000#, WAIT 5 MIN AND REPRESSURE TO 1000# AND IT HELD. DISPLACED A TOTAL OF 3/4 BBL OF CEMENT OUT OF LEAK. SDFD.
- 26-AUG-93 UNSEAT PKR AND POOH W/ TBG. RIH W/ 3 7/8 BIT AND DRILL OUT CEMENT TO 1840. PRESSURE TEST CSG TO 800# AND IT LEAKED OFF 10# IN 15 MIN. RIH W/ RBP RETRIEVER AND CIRCULATE SAND OFF RBP. START SWABBING WELL DOWN AND SHUT DOWN DUE TO RAIN AND LIGHTNING.
- 27-AUG-93 FINISH SWABBING WELL DOWN. LATCH ONTO RBP AND POOH. RU MERCURY WIRELINE AND REPERF WELL. (SEE TEMPLATE.) RU RIH W/ 1- PENG0 PR-3 4 1/2 X 2 3/8 PKR - 7.10
1- SSN -1.10
163- JTS 2 3/8 TBG -5099.23

SET PKR AT 5113. RU AND SPOTTED ANHIB. BEHIND CSG. PRESSURE TESTED TO 800#. AFTER 15 MIN CSG HAD 780# PRESSURE. SHUT IN AND RIG DOWN.

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OCT 12 1993

CONSERVATION DIVISION
WICHITA, KS

4-OCT-93
13:01:38

MARATHON OIL COMPANY
HISTORY OF OIL OR GAS WELL
FROM:30-MAR-93 TO:03-OCT-93 FIELD:STOCKHOLM
WELL:OTIS #3

PAGE 3

PERF DATA

VENDOR MERCURY GUN SIZE 3 3/8 CHG SIZE(GM) 16.0
CHG TYPE JRC CORRELATION LOG USED 3-15-84

SEQ: 1 FORM:MORROW SUB: TOP DEP: 5138
BOT DEP: 5160 DEN SPF: 4 PHAS DEG: 90 TOT SHOTS: 88

- 23-SEP-93 RU HOT OILER. FILL CASING WITH 0.8 BW. PRESSURE TEST CASING. PRESSURE DROPPED FROM 780 PSI TO 640 PSI IN 30 MINUTES (ORIGINAL PRESSURE TEST WAS FOR 15 MINUTES, KCC REQUIRES 30 MINUTE TESTS). WILL GET RIG TO ISOLATE PROBLEM.
- 27-SEP-93 MIRU GIBSON WELL SERVICE. PRESSURE TEST CSG AND IT LEAKED. DROP STANDING VALVE AND PRESSURE TEST TBG AND IT LEAKED. PRESSURED UP TBG AND CSG AT THE SAME TIME AND THEY LEAKED. RIH AND FISHED STANDING VALVE, RELEASE PACKER AND START OUT OF HOLE W/ TBG. SDFD BECAUSE SLIPS WOULDN'T HOLD AND RIG DIDN'T HAVE DIES.
- 28-SEP-93 FINISH POOH W/ TBG. RU RIH W/ RBP AND SET AT 5105. POOH W/ TBG AND RU RIH W/ PKR AND SET AT 2642. PRESSURE TEST RBP AND IT HELD. RELEASE PKR, LOAD HOLE W/ WATER, AND PRESSURE TO 840#. AFTER 30 MIN WELL HAD 840# ON CSG. POOH AND LAYED DOWN PKR, RU RIH LATCHED ONTO RBP AND RELEASED. POOH W/ RBP AND SDFD.
- 29-SEP-93 RU HYDROTEST IN HOLE W/ GSII PKR AND TBG AS BEFORE. SPOT CSG ANHIB, AND SET PKR. RU PELCO AND PRESSURE TO 820#. AFTER 30 MIN WELL HAD 780# ON IT. SET UP STATE TESTS FOR OCT. 5. SDFD.

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CONSERVATION DIVISION
WICHITA, KS

MARATHON OIL COMPANY

FIELD NAME Stockholm WELL NAME Otis #3
LOCATION 1650' FNL, 1650' FEL SECTION 12 T 16S R 43W
COUNTY Greeley STATE Kansas

SURFACE CASING

Hole Size: 12-1/4"
Casing: 8-5/8", 24#, K-55
Casing Set @: 475'
Cemented with 280 sxs.

GLE 3,896'
KBE 3,906'

FORMATION TOPS

Stone Corral 2,744'
Lansing 4,220'
Marmaton 4,608'
Cherokee 4,741'
Morrow 5,035'
Mississippian 5,195'

WELL HISTORY

Spud Date: 2/22/84
Original Owner: TXO
IP: 3/30/84
BOPD: 93 BWPD: 0
MCFD: GOR:
Completion Treatment: None

CEMENT TOP

PERFORATIONS

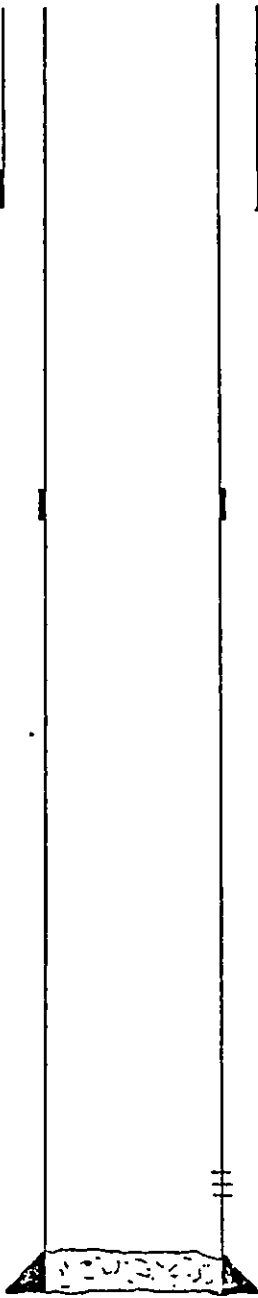
Morrow: 5,138'-5,160', 2 SPF.
Additional 5138'-5160' w/4 SPF

PBTD 5180'

PRODUCTION CASING

Hole Size: 7-7/8"
Casing: 4-1/2", 10.5#, K-55
Casing Set @: 5,300'
Cemented with 200 sxs.

Cementing sleeve at 1,749'



CURRENT DATA

Pumping Unit: _____
Tubing: _____
Pump Size: _____
Rod String: _____
Remarks: _____

10/85: Treat perforations w/500 gals. of xylene and 500 gals. of acetic acid.

1/86: Frac w/32,000 gals. of 3% gelled acid w/500 SCF/bbl. CO2 and 31,500# of 20/40 sand.

8/93 Cmt squeezed csg. to isolate Dakota. Reperf'd Morrow 5138'-5160'. Ran inj. equipment.

5,300' T.D.

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CONSERVATION DIVISION
WICHITA, KS

WELL DATA

FIELD _____ SEC _____ TWP _____ RNG _____ COUNTY CO STATE KS

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	0	10.5	4 1/2	CL	5200	
LINER						
TUBING	11	4.7	2 3/4	CL	1740	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

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

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 8-12-93 TIME 08:30	DATE 8-12-93 TIME 07:45	DATE 8-22-93 TIME 8:01	DATE 8-17-93 TIME 13:00

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
Paul Van Buren	55600	40079
in well		
DAVE MONTGOMERY	3308	4149

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. API
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE _____ GAL. _____ IN
 NE AGENT TYPE _____ GAL. _____ IN
 FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN
 GELLING AGENT TYPE _____ GAL.-LB. _____ IN
 FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN
 BREAKER TYPE _____ GAL.-LB. _____ IN
 BLOCKING AGENT TYPE _____ GAL.-LB. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____

DEPARTMENT Conservation
 DESCRIPTION OF JOB Squeeze Fracturing
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE X
 HALLIBURTON OPERATOR Paul Van Buren COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	100	HLC	A	B		1.54	13.6
1	50	PCC	H	B		1.18	15.6

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 6-5-23
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 374
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. 15.6 + 11.5 = 27.1
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET _____ REASON _____

RECEIVED
 KANSAS CORPORATION MARKS
 CONSERVATION DIVISION
 WICHITA, KS
 OCT. 12 1993

CUSTOMER _____
 LEASE # _____
 WELL NO. _____
 JOB TYPE _____
 DATE 8-12-93

JOB LOG FORM 2013 R-3

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
HIGGINTON CO		3		OTIS		SQUEEZE		507994	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	04:30								CALL OUT
	07:45								ON LOG Big Running TAC DIE JOB MESSIN Lead TAC: 2.00 lead
	08:40		19 1/2			550	750		speed slower
	09:11					1400	1400		could not pump water write on Refractive TAC Refractive 1800
	10:06		4						Lead Csg
	10:09	2				5	500		INJECTION SHUT DOWN
	10:50	2				450			H2O above Lead cut
			27 1/2			450			Tail C.
			18 1/2						cut in
	11:09	2				550			DISP
	11:12	2	6 1/2			700			disp in facts 1000 FT PER 859
	12:21	2 1/2	10			400			INJECTION
	12:41	2 1/2	36						Lead cut Tail cut
			10.5						
	12:59								wash out pump: Line
	13:07	2				700			START DISP
	13:04	2	4 1/2			750			DISP in

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OCT 12 1993

CONSERVATION DIVISION
 WICHITA, KS

WELL DATA

FIELD _____ SEC _____ TWP _____ RNG _____ COUNTY _____ STATE _____

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			4 1/2	0	5000	
LINER						
TUBING	1		2	0	1000	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE _____ TIME _____	DATE _____ TIME _____	DATE _____ TIME _____	DATE _____ TIME _____

TOOLS AND ACCESSORIES

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

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API

DISPL. FLUID _____ DENSITY _____ LB/GAL-API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

SURFACTANT TYPE _____ GAL _____ IN

NE AGENT TYPE _____ GAL _____ IN

FLUID LOSS ADD. TYPE _____ GAL-LB _____ IN

GELLING AGENT TYPE _____ GAL-LB _____ IN

FRIC. RED. AGENT TYPE _____ GAL-LB _____ IN

BREAKER TYPE _____ GAL-LB _____ IN

BLOCKING AGENT TYPE _____ GAL-LB _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT _____

DESCRIPTION OF JOB _____

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE **X** _____

HALLIBURTON OPERATOR _____ COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT/SK.	MIXED LBS/GAL.
1	50	PORTLAND				1.14	10.6
2	2	"					

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

ORDERED _____ AVAILABLE _____ USED _____

TREATING _____ DISPL _____ OVERALL _____

FEET _____ REASON _____

SUMMARY

PRESLUSH: BBL-GAL _____ TYPE _____

LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____

TREATMENT: BBL-GAL _____ DISPL: BBL-GAL _____

CEMENT SLURRY: BBL-GAL _____

TOTAL VOLUME: BBL-GAL _____

RECEIVED
KANSAS COMMISSION

OCT 12 1993

CONSERVATION DIVISION
WICHITA, KS

CUSTOMER _____
LEASE _____
WELL NO. _____
JOB TYPE _____
DATE _____

JOB LOG FORM 2013 R-3

CUSTOMER W & A T E L L	WELL NO. ?	LEASE 0715	JOB TYPE SE	TICKET NO. 5201
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								2592 # 2 P
								GRIPPER 1. S&T 1000
	6:10							KEO 1000
	7:30							KEO 1000 KIA PUMP TUB: 1000-100
								SET PACKER COLLAR KIA CHECK ANNUUS LEAD
						800		HANGER CHECK FINISH 50
		2				600		PULL PACKER 825 FT
						600		MAKE 1000 FT
								KIA CHECK ANNUUS
		2	21			800		START CRT FINISH CRT
								WAS! PUMPS? LEAD 5
		2	3					START DISP
			3 3/4			800		DISP TO END OF TUB
								DIP CASING
								STAGE END
								PULL 2 STD.
	7:45					800		KE PRESSURE SE
	10:40		4 1/2			800		" "

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CONSERVATION DIVISION
 WICHITA, KS

WELL DATA

FIELD Steele SEC _____ TWP. _____ RNG _____ COUNTY CHIEF STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC DATA _____ TOTAL DEPTH _____

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-27-93</u>	DATE <u>8-27-93</u>	DATE <u>8-27-93</u>	DATE <u>8-27-93</u>
TIME <u>10:30</u>	TIME <u>12:00</u>	TIME _____	TIME _____

TOOLS AND ACCESSORIES

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

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. KRIEGER</u>	<u>2572</u>	<u>LAINE CO</u>
<u>G. KIMMICK</u>	<u>4027</u>	
<u>C. ASHER</u>	<u>27489</u>	

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. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Cont.

DESCRIPTION OF JOB SPT 155K

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR C. Asher COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIONS	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>15</u>	<u>PREMIUM</u>		<u>120 CC</u>		<u>1.15</u>	<u>156</u>

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 WICHITA, KS
 VOLUMES

SUMMARY

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 2

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 2

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

RAMARKS

CUSTOMER WARRANTY
 LEASE OTIS
 WELL NO. 3
 JOB TYPE 59
 DATE 8-23-93

CUSTOMER PARATHOR OIL	WELL NO. 3	LEASE OTIS	JOB TYPE SG	TICKET NO. 52201
--------------------------	---------------	---------------	----------------	---------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								2594 P.C.F.
								G-BEFLBY KS
	13:00							REG ON LOG AFTER BEFLBY ON LOG
	14:50		10					C.R. HUBB MIX CNT 155K Disp Tub. PULL 192 FT RIG BEV OUT
			3					
			3					
								PULL 1775.
								LONG LOG PRESSURE UP
								STAGE CNT
	16:10		1.764					CLOSE IN LOG

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CONSERVATION DIVISION
 WICHITA, KS



WELL DATA

FIELD _____ WELL _____ COUNTY G. DIER BE STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD. OIL _____ BPD WATER _____ BPD GAS _____ MCFD _____

PRESENT PROD. OIL _____ BPD WATER _____ BPD GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ LAMUD WT _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP _____ PRESSURE _____

MISC DATA _____ TOTAL DEPTH _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOES		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
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 _____ IN _____

NE AGENT TYPE _____ GAL _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL/LB _____ IN _____

GELLING AGENT TYPE _____ GAL/LB _____ IN _____

FRIG. RED. AGENT TYPE _____ GAL/LB _____ IN _____

BREAKER TYPE _____ GAL/LB _____ IN _____

BLOCKING AGENT TYPE _____ GAL/LB _____ IN _____

PERMPAC BALLS TYPE _____ QTY _____

OTHER _____

OTHER _____

JOB DATA

CALLER: 5-15-93 ON LOCATION: 5-15-93 JOB STARTED: 8-31-93 JOB COMPLETED: 9-27-93

DATE: 8-31-93 TIME: 11:00 DATE: 9-27-93 TIME: 9:00

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>G. KINISTON</u>	<u>2592</u>	<u>LAMAR CO.</u>
<u>E. HEECH</u>	<u>4037</u>	<u>1</u>
<u>D. JOHNSON</u>	<u>2745</u>	<u>4</u>
<u>G. ALLEN</u>		
<u>H. HOBBS</u>		

DEPARTMENT: 101

DESCRIPTION OF JOB: 87

JOB DONE THROUGH: TUBING CASING ANNULUS TBO/ANN.

CUSTOMER REPRESENTATIVE: X

HALLIBURTON OPERATOR: C. Della COPIES REQUESTED: _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU FT./BK.	MIXED LBS./GAL.
<u>1</u>	<u>25</u>	<u>PERMULUB</u>			<u>Neat</u>	<u>116</u>	<u>106</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

EMIT IN INSTANT _____ G-MIN _____ DIS-MIN _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

FREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

SUMMARY

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COOPERATION COMMUNICATION

TREATMENT: BBL-GAL _____

AGENT SLURRY: BBL-GAL _____

TOTAL VOLUME: 4955

RAMARKS

CONSERVATION DIVISION WICHITA, KS



DATE: 5-25-93
 PAGE NO:
 WELL NO: 532011

JOB LOG FORM 2013 R-3

CUSTOMER: MARRATHON
 WELL: J
 LEASE: OTIS
 JOB TYPE: 59

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS	PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
					TUBING	CASING	
							2592 P.C.P.
							G-DRY W. K.S.
	ASPP						FREE ON LOG
	16:00						ON LOG
							RIG TEST CASING
							S-ROT TEST AT 1860 FT
1	17:40	4	5		500		C.V. HOLES
2		2	5		100		MIX CNT 25 SK
3		2	5.9		100		DIP TUB
							PULL TUB
							RIG BED OUT
							PULL 1.75
4	18:20				1000	1000	PRESSURE UP ON CNT
							STAGE CNT
5	18:25				1000	1000	PRESSURE UP
	18:30						CLOSE IN RIG

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 WICHITA, KS

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