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

My Commission Expires

 $w_{\text{yoming}}$ Sept. 6, 2000

FORM MUST BE TYPED	SIDE ONE
STATE CORPORATION COMMISSION OF KANSAS OIL & GAS CONSERVATION DIVISION WELL COMPLETION FORM ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	API NO. 15- 199-20125 0 002 ORIGINA  County Wallace  NE - SE - NE Sec. 30 THP. 155 Rge. 42 X
Operator: License # 30689	3630 Feet from SN (circle one) Line of Section
Name: <u>Marathon Oil Company</u>	
Address 1501 Stampede Avenue	Footages Calculated from Nearest Outside Section Corner: NE, SE, NW or SW (circle one)
City/State/Zip Cody, WY 82414-4721	Lease Name Krautkramer Well # 2-30 Field Name Stockholm
Purchaser:	INJECTION
Operator Contact Person: R. P. Meabon	Producing Formation Morrow
Phone ( <u>307</u> ) <u>587-4961</u>	Elevation: Ground 3901' KB 3906'
Contractor: Name: Murfin Drilling	Total Depth 5292' PBTD 5226'
License: 6003	Amount of Surface Pipe Set and Cemented at 432 Fe
Wellsite Geologist: Russel Bak	Multiple Stage Cementing Collar Used?Yes X
Designate Type of Completion	If yes, show depth setFe
New Well Re-Entry X Workover	If Alternate II completion, cement circulated from1970
Oil SUD SIOW Temp. Abd SIGW	feet depth to Surface w/ 225 sx cm
Other (Core, WSW, Expl., Cathodic, etc.  If Workover:	Drilling Fluid Management Plan REWIRK 976 11-5-96 (Data must be collected from the Reserve P(t) ATT
Operator: <u>Marathon Oil Company</u>	Chloride contentppm Fluid volume;bbl
Well Name: Krautkramer #2-30	Dewatering method used 10-04-97
Comp. Date 12/87 Old Total Depth 5292'	Location of fluid disposal if hauled offsite:
Deepening X Re-perf. Conv. to Inj/SWD Plug Back 5227' PBTD Commingled Docket No. Dual Completion Docket No.	Operator Name
Other (SWD or Inj?) Docket No.	Crecise No.
7/16/96 8/5/96 tarting Date of Pate Reached ID Completion Date	Quarter Sec. Twp. S Rng. E/W
tarting Date of Date Reached ID Completion Date Orkover Of Workover	County Docket No
Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on 12 months if requested in writing and submitted with th months). One copy of all wireline logs and geologist well MUST BE ATTACHED. Submit CP-4 form with all plugged we	t be filed with the Kansas Corporation Commission, 200 Colorado of the spud date, recompletion, workover or conversion of a well. side two of this form will be held confidential for a period of e form (see rule 82-3-107 for confidentiality in excess of 12 report shall be attached with this form. ALL CEMENTING TICKETS lls. Submit CP-111 form with all temporarily abandoned wells.
with and the statements herein are complete and correct to the	gated to regulate the oil and gas industry have been fully complied the best of my knowledge.
Signature RPMeda	K.C.C. OFFICE USE ONLY
Subscribed and sworn to before me this 27th day of SUT	27/96 F Letter of Confidentiality Attached
19 96.	Distribution
Notary Public (Amea) (mnor	KCC SWD/RepNGPA
Date Commission Expires	(Specify)
Connie A. O'Connor Notary Public	
Park State of	Form ACO-1 (7-91)

C T	n	F	Tun	

Operator Name	Marathon O	il Company	SIDE TWO	14 .		•	••
• .					kramer	Well	# _ 2-30
Sec. 30 THP.	15SRge. 42	East West	County	Wa]la	çe		<del>-</del>
INSTRUCTIONS: Sh	ow important to time tool open wres.bottom.hol	ps and base of forma and closed, flowin	ations penetrate g and shut-in p recovery, and f	d. Detail al ressures, whe low rates if g	l cores. Repor ether shut-in p las to surface d	t all dri ressure re uring test.	ll stem tests giv eached static lev . Attach extra sh
Drill Stem Tests (Attach Additio	Taken onal Sheets.)	☐ Yes ☑ No	Ŋ L.	g Formati	ion (Top), Depth	and Datum	ns Sample
Samples Sent to Ge	eological Survey	Yes 🗓 No	Name		Тор	•	Datum
ores Taken		Yes 🗓 No	1.	ne Salt	227		
lectric Log Run (Submit Copy.)	•	☐ Yes 🖫 NA	Ston Heeb	e Corral ner	277! 413:		
ist All E.Logs Ru				ow Shale	5030		
	n: ·			ow Sand Genevieve	5128	3'	
-	•						
	_			<u></u>		•	
		CASING RECOR	, <u> </u>			<del>_</del>	
	Report a	ll strings set-cond	Uctor, surface,	Used intermediate,	pròduction, et	·c_	
urpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent
Surface	121	8-5/8	24	432	60-40 Poz	250	2% gel, 3%
Production	7-7/8	5-1/2	15.5	5284	50-50 Poz	125	5% salt
<del> </del>							
<del></del>	ADDITIONAL C	EMENTING/SQUEEZE REC	CORD				
Perforate	Depth Top Bottom	Type of Cement	#Sacks Used	#Sacks Used Type and Percent Additiv		Additives	
X Protect Casing Plug Back TO Plug Off Zone	4511-4541	1 '	120 ·	Class 'H' Neat Cement			
rtug off Zone		<del></del>		<u> </u>			
Shots Per Foat	PERFORATION Specify Footag	RECORD - Bridge Plu of Each Interval P	gs Set/Type erforated	Acid, F (Amount and	racture, Shot, Kind of Materi	Cement Squ al Used)	eeze Record Depth
4 5133'-5142'			250 ga1 7½% MSR				
4 5126'-5133'				6 bbls. 15% MSR			
4 5133'-5142' 7/29/96				135 bbls. 2% Clayfix Water			
ING RECORD	Size 2-7/8"	<b>Set At</b> 5060'	Packer At	Liner Run	☐ Yes 🏻 N		
e of First, Resum 8/5/96	ed Production,		5060'				
imated Production	oil N/A	5013.	not water	8bls.	Gas-Oit R	stio	Graview
<del> </del>	<del></del>					PJ	
Per 24 Hours Osition of Gas:	METHOD OF	COMPLETION		Produ	uction Interval		
<del></del>	METHOD OF	COMPLETION	ole X Perf.	Produ	uction Interval		

## CHARATHON OIL COMPANY ORIGINAL

HKB		·	General Well Information			
~ 03			Lease Name - Krautkramer #2-30			
			API Code - 15-199-20126			
· · · · · · · · · · · · · · · · · · ·			State - Kansas			
.			County - Wallace			
400 -			District -			
			Permit No			
600		<del></del>	TD Measured - 5292' PBTD- 5226'	Permit -		
·	{		Reservoir - Morrow	Spud - Saturday, December 12, 1987		
800			Field - Stockholm	Finish Drl - Tuesday, December 22, 19		
			Field Code -	Completion - Wednesday, December 23, 19		
1000			Basin -	Abandon - Sunday, January 24, 198		
	J. W. J.		Basin Code -	Not Used -		
1200			Weitt	ocation		
STY				The state of the s		
1400			Meridian -	<del></del>		
		_	Twnship - 15 South	Not Used - 3630' FSL, 330' FEL		
1600			Range - 42 West	Not Used - KB- 3906' GL- 3901		
]			Section - 30			
1800	}			Not Used -		
			Quarter - SE NE	Not Used -		
2000			(Onether Ems	pment Report		
•				face		
2200			Date Run Date Pulled Description Top (RKB) Stm (Ri- 12/12/87 Casing 0.0 43:	(B) Jints (OO (in) IO (in) (W) (ibs/ft) Grd Thrd Commer		
			12/12/87   Casing   0.0 43	7.01 101 8.625 8.097 24.00		
2400						
			المساحة المقطور	a - Albana		
2600	[]] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]			UCTION  (SB)   Just 100 (m)   (D (m)   Wt (be/ft)   Grd   Thrd   Commer		
			12/23/67 Ceeing 0.0 52	KB) Ints OO (s) ID (ii) Wt (be/t) Grd Thrd Commer 84 0 133 5.500 4.850 15.50		
2800						
4004			<u> </u>			
3000				Cement		
7499			String Date Top (ftKB) B Surface 12/12/87 0.0	tm (ftKB) Amnt (sx) Comments 432.0 150 Surface casing		
3200			Production 12/23/87 0.0	1868.0 225 Second stage		
3200	4 - 1		Production 12/23/87 5292.0	4692.0 125 First stage		
3400			(Genera	il Notes		
			(B/4/94) Well drilled in 1987 to 5292 TD. Surface casing of	emented w/ 250 axs. Cement to surface. DV at		
3600.			first stage with cement top at 4592" on production	nd stage, (cmt. top at surrace) and 125 axs, on string. During completion the well was perforated		
- VVV			and acidized w/ 8 bbls, 15% MSR acid. The well	was shut-in as uneconomic on 2/1/94,		
3800			[10/1/94] Well was converted to gas injection after repertors	sting at 5126'-5133', squeezing casing leaks at		
			4511'-4541' with a lotal of 120 sacks cement and 270 BW at rates from 6.5 to 0.25 BPM and pressu at 450 MCFD and 520 psig on 10/1/94 after KCI b	res from 2650 to 1647 asia. Started gas injection		
4000			(7/17/96)			
1444			Performed formation breakdown of 82 bbts, of 2%	KCI water.		
4200			[7/29/96] Reperfd as below:	1_		
74W.7			[8/5/96]			
orono i			Performed breakdown of 135 bbls, water contains	ng 2% ClayFbt. Returned well to injection.		
4400			1			
4700 5			Perfor			
4600			Date   Top (ftKB)   Btm (ftKB)   Shots (ft)	Type - Status Comment		
			8/30/94 5126.0 5133.0 4.0 J	et Perforation - Stockholm		
4800			10/16/93 5133.0 5142.0 4.0 J	et Perforation - Stockholm et Perforation - Stockholm		
				et Perforation - Stockholm		
5000 ·			And the second s	mos de la companya de		
	4 3 4 4	—— Могтом —	Top (fiKB) Btm (fiKB) Not Used Formations	PHORIZONS		
1200 -			5128.0 0.0 NA MOITOW	Gara Inc. Caed Inc. Caed Comments		
1						