Form ACO-1 (7-91)

SIDE ONE

API NO. 15- 189 21548 0001

County Stevens

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

WELL COMPLETION FORM ACO-1 WELL HISTORY	0 NF NN 0 -	25C - 25 - E
DESCRIPTION OF WELL AND LEASE		
Operator: License # 4742	660 Feet from S N circle of	
Name: Texaco E & P, Inc.	1980 Feet from E	
Address P.O. Box 2700	Footages Calculated from Nearest Outs NE, SE, W or SW (cir	
	(FORMBRL	y thomas #1)
City/State/Zip Pampa, TX 79066-2700		Vell #
Purchaser: Northern Natural Gas	Gooch	
Operator Contact Person: Sylvia Porter	Producing Formation MONNOW	
Phone (806) 669-8456	Elevation: Ground 2,986'	_кв <u>2,998'</u>
	Total Depth 6,700	_РВТD_ <u>СІВР @ 6485'</u>
Contractor: Name:	Amount of Surface Pipe Set and Cemented at	1,700' Feet
License:	Multiple Stage Cementing Collar Used?	X Yes No
Wellsite Geologist: None Designate Type of Completion	If yes, show depth set 3,600'	Feet
New Well Re-Entry _X Workover	If Alternate II completion, cement circulated from	
Oil SWD SIOW Temp. Abd SIGW		
Dry Other (Core, WSW, Expl., Cathodic, etc.)		sx cmt.
If Wver/Re-Entry: old well into as follows: Operator: Texaco F & P Inc.	(Data must be collected from the Reserve Pit)	- FR 1-22-37
Well Name: Thomas #1	Chloride content ppm F	Fluid volume bbls
Comp. Date 8-17-93 Old Total Depth 6,700'		
Deepening X Re-perf. Conv. to Inj/SWD XX Plug Back CASS PBTD X RENAMED WE	Location of fluid disposal if hauled offsite	:
Plug Back PBTD RENAMED WE Commingled Docket No	Operator Name	
Dual Completion Docket No Other (SWD or Inj?) Docket No.	Lease Name	License No
8-4-96 8-16-96 9-5-96	Quarter SecTwp.	S RgeE/W
Date of START Date Reached TD Completion Date of	County Dock	et No.
	nall be filed with the Kansas Corporation Co	
Derby Building, Wichita, Kansas 67202, within 120 days of th 82-3-130, 82-3-106 and 82-3-107 apply. Information on side		
requested in writing and submitted with the form (see rule 82-	-3-107 for confidentiality in excess of 12 n	nonths). One copy of all
wireline logs and geologist well report shall be attached with t CP-4 form with all plugged wells. Submit CP-111 form with all		BE ATTACHED. Submit
£		
All requirements of the statutes, rules and regulations promulga and the statements herein are complete and correct to the best of		been fully complied with
Signature Salari Kostosi	K.C.C. OFFICE U	JSE ONLY
Fusing vine Technicism 0	FLetter of Confider	ntiality Attached
	C Drillers Timelog R	
S ribed and sworn to before me this day of day of	FILESTICA	
Notary Public 17 Med 111 July 18	C CURPURATION COMMISSION	SWD/Rep NGPA T
Date Commission Expires 2-23-99	SEP 1 3 1996	(Specify)
Data Commission Expires	<u> </u>	

(Attach Additional Sheets.) Yes X No	Operator Name Te	xaco E & P	Inc.		Lease Na	me <u>M. A.</u>	<u>Fields</u>	Well #	4	
INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested. (In the 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. No			East		County	Stevens				
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. Ves	Sec. <u>9</u> Twp. <u>3</u>	<u>5S</u> Rge. <u>35</u>	∭ West		-					
Samples Sent to Geological Survey	interval tested, time hydrostatic pressure	tool open and c es, bottom hole t	osed, flowir emperature,	ng and shu	ıt-in pressures,	whether shut	-in pressure read	ched static	level,	
Cores Taken	Drill Stem Tests Taken (Attach Additional S		Yes	X No	ت ا	g	Formation (Top),	Depth and D	atums	Samp
Test No Pres	Samples Sent to Geolog	gical Survey	Yes	X No						
CASING RECORD X New Used Report all strings set-conductor, surface, intermediate production, etc.	Cores Taken		Yes	X No	Name		Тор	Da	itum	
CASING RECORD Report all strings set-conductor, surface, intermediate production, etc. Purpose of String Size Hole Size Casing Surface 12-1/4" 8-5/8" 24# 1,700' Premt 453 3&CC. Purpose of String Drilled Set (in O.D.) Lbs./Ft. Depth Cement Used Additives Surface 12-1/4" 8-5/8" 24# 1,700' Premt 675 3&CC. Purpose 12-1/4" 8-5/8" 24# 1,700' Premt 675 3&CC. ADDITIONAL CEMENTING/SQUEEZE RECORD Purpose ADDITIONAL CEMENTING/SQUEEZE RECORD Purpose Top Bottom Top Cement #Sacks Used Type and Percent Additives X Perforate X Protect Casing Prug Back TD Plug Off Zone B - 6400: Shots Per Foot Specify Footage of Each Interval Perforated A 6.553 - 6.561' 12,000 Gal. Gel & 27,500 lbs 4 6.557 - 6.596' Sand CIBP@6,503' w/2sk cem. Top @ 6,485' 4 squeeze holes @ 6,255' squeezed with 75 sk. Class H cem.@16.4 ppg TUBING RECORD Size Set At 2-7/8" 6439' Also Froduction Production Swip Set At 2-7/8" 6439' Black of First Resumed Production. SWD or Inj. Production Production Method P-5-96 Estimated Production Production Per 24 Hours METHOD OF COMPLETION Propulation Dually Completed Commingled 6281 - \$308 Wented Size Set At 2-7-80 Specify holes (Specify Holes) Reposition of Gas: METHOD OF COMPLETION Propulation Dually Completed Commingled 6281 - \$308 Vented Size Set At 2-7-80 Specification Commingled 6281 - \$308 Vented Size Set At 2-7-80 Specification Commingled Commingled 6281 - \$308 Vented Size Set At 2-7-80 Specification Commingled Commingled Commingled Cash - \$308 Vented Size Set At 2-7-80 Specification Commingled Cash - \$308 Vented Size Set At 2-7-80 Specification Commingled Cash - \$308 Vented Size Set At 2-7-80 Specification Commingled Cash - \$308 Vented Size Set At 2-7-80 Specification Commingled Cash - \$308 Vented Size Set At 2-7-80 Specification Commingled Cash - \$308 Vented Size Set At 2-7-80 Specification Commingled Cash - \$308 Vented Size Set At 2-7-80 Specification Commingled Cash - \$308 Specification Commingled Cash - \$308 Spec	Electric Log Run (Submit Copy.)		Yes	X No						
New Used Set Now Used Now Used Now Used Now Used Now Used Now	List All E.Logs Run: CBL indicates	Cement @ 59	920-6400	•						
Report all strings set-conductor, surface, Intermediate, production, etc.			CASING	RECORD	∑ New □	llsed				
Drilled Set (In O.D.) Lbs./Ft Depth Cement Used Additives		Report	all strings se	t-conducto	ا ت		tion, etc.			
Surface	Purpose of String							•		
DV Too 2nd stage 3,633	Surface								-	
ADDITIONAL CEMENTING/SQUÉEZE RECORD Purpose Depth Top Bottom Type of Cement #Sacks Used Type and Percent Additives X Protect Casing Plug Back TD Plug Off Zone Plug Off Zone PREFORATION 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 6,553 - 6,561' 12,000 Ga1, Ge1 & 27,500 lbs 4 6,577-6,596' Sand CIBP@6,503' w/2sk cem. Top @ 6,485' 4 squeeze	Production	7-7/8"	5-1/2"		17#	6,696	Prem	260	0.58	Halad
Purpose	DV Tool							<u>i</u>	<u> </u>	
Top Bottom Type of Cement #Sacks Used X Perforate X Protect Casing Plug Back TD Plug Off Zone Shots Per Foot Shots Per Foot Shots Per Foot Specify Footage of Each Interval Perforated 4 6,553 - 6,561' 12,000 Gal Gel & 27,500 lbs 4 6,577-6,596' Sand CIBP@6,503' w/2sk cem. Top @ 6,485' 4 squeeze	Purpose	Depth	ADDITIO	NAL CEME	ENTING/SQUEEZ	E RECORD	Type and Pr	ercent Additi		
Protect Casing Plug Back TD Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated Acid, Fracture, Shot, Cement Sqeeze Record (Amount and Kind of Material Used) Depth			Type of	Cement	#Sacks Used	<u>, </u>	туре апи го	ercent Additi	ves	
PREFORATION RECORD - Bridge Plugs Set/Type Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) 4 6,553 - 6,561' 12,000 Ga1. Ge1 & 27,500 lbs 4 6,577-6,596' Sand CIBP@6,503' w/2sk cem. Top @ 6,485' 4 squeeze holes @ 6,255' squeezed with 75 sk. Class H cem.@16.4 ppg TUBING RECORD Size Set At Packer At Liner Run Yes X No Date of First Resumed Production, SWD or Inj.Production Producing Method 9-5-96 Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity. Sposition of Gas: METHOD OF COMPLETION Production Dually Completed Commingled 6281 - 6305' Vented X Sold Used on Lease Open Hole X Perforation Dually Completed Commingled 6281 - 6305'	X_ Protect Casing	T - 5920	Class H		75	100		1. Turker	7	· · ·
Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth 4 6,553 - 6,561' 12,000 Ga1. Ge1 & 27,500 lbs 4 6,577-6,596' Sand CIBP@6,503' w/2sk cem. Top @ 6,485' 4 squeeze		B - 6400			!					
4 6,577-6,596' Sand CIBP@6,503' w/2sk cem. Top @ 6,485' 4 squeeze holes @ 6,255' squeezed with 75 sk. Class H cem.@16.4 ppg TUBING RECORD Size Set At Packer At Liner Run 2-7/8" 6439' Yes X No Date of First Resumed Production, SWD or Inj. Production Producing Method 9-5-96 Flowing Pumping Gas Lift Other (Explain) Estimated Production Per 24 Hours 501 Wented X Sold Used on Lease Open Hole X Perforation Dually Completed Commingled 6281 - 5305' (If vented, submit ACO-18.)	Shots Per Foot							•	Record	Depth
CIBP@6,503' w/2sk cem. Top @ 6,485' 4 squeeze holes @ 6,255' squeezed with 75 sk. Class H cem.@16.4 ppg TUBING RECORD Size Set At Packer At Liner Run 2-7/8" 6439' Yes X No Date of First Resumed Production, SWD or Inj.Production Producing Method 9-5-96 Flowing X Pumping Gas Lift Other (Explain) Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity. 501 4 METHOD OF COMPLETION Production Dually Completed Commingled 6281 6305' (If vented, submit ACO-18.)	4	6,553 - 6	561'			12,000	Gal. Gel &	27,500	1bs	Telephon In
4 squeeze holes @ 6,255' squeezed with 75 sk. Class H cem.@16.4 ppg TUBING RECORD Size Set At Packer At Liner Run 2-7/8" 6439'	4	6,577-6,59	96'			Sand			1	
TUBING RECORD Size Set At Packer At Liner Run 2 - 7/8" 6439' Date of First Resumed Production, SWD or Inj.Production 9 - 5 - 96 Estimated Production Per 24 Hours Set At Packer At Liner Run Yes No Producing Method Flowing Pumping Gas Lift Other (Explain) Other (Explain) Set At Packer At Liner Run Yes No Production Other (Explain) Set At Packer At Liner Run Yes No No No Production Other (Explain) Set At Packer At Liner Run Yes No No Production Other (Explain) Set At Packer At Liner Run Yes No No Other (Explain) Set At Packer At Liner Run Yes No No Other (Explain) Set At Packer At Liner Run Yes No No Other (Explain) Other (Explain) Set At Packer At Liner Run Yes No Other (Explain)		CIBP@6,50	3' w/2sk	cem. T	op @ 6,485	,				
2-7/8" 6439' Date of First Resumed Production, SWD or Inj.Production Producing Method 9-5-96	4 squeeze	holes @ 6	•		with	:	Class H ce	m.@16.4	ppg	
9-5-96 Flowing Pumping Gas Lift Other (Explain) Estimated Production Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity,	TUBING RECORD				Packer At	Liner Run	☐ Yes 🗓] No		
Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity. 501 METHOD OF COMPLETION Production Intervent Open Hole Perforation Dually Completed Commingled 6281 - 6305 (If vented, submit ACO-18.)	Date of First Resumed	Production, SWD	or Inj.Product	ion Produ						
Per 24 Hours 501 METHOD OF COMPLETION Production Intervent Vented Sold Used on Lease Open Hole Perforation Dually Completed Commingled 6281 - 6305 (If vented, submit ACO-18.)	9-5-96				Flowing X	Pumping (Gas Lift Otl	her (Explain)		
Sposition of Gas: METHOD OF COMPLETION Production Intervent Open Hole Perforation Dually Completed Commingled 6281 - 6305 (If vented, submit ACO-18.)	Estimated Production Per 24 Hours	Oil	Bbls.		4		Gas−Oil ,	l Ratio		Gravity,
Vented Sold Used on Lease Open Hole Perforation Dually Completed Commingled 6281 - 6305 Open Hole Perforation Dually Completed Commingled 6281 - 6305 Open Hole Open Hole Perforation Dually Completed Commingled Open Hole		i		METH	;				Produc	hip laterial
	☐ Vented ☒ Sold		ease			k - ^ .		ommingled	/,	- 6305°.
Other (Specify)	(If vented, submit	ACO-18.)	1	Other ((Specify)					· · · · · ·

COPY

M. A. FIELDS #4 API #15 189 21548 0001 Section 9-35S-35W Stevens County, Kansas

(Formerly Thomas #1 API #15 189 21548 Completed in Chester Sand)

Perforation Record

Shots Per Foot	Footage of Each Interval Perforated	Amount & Kind of Material
4	6,281' - 6,305' (New Perforations)	2,000 Gal. 7-1/2% HCL & 200 Gal. Methanol w/23,685# Sand Frac