033-20889-0001

Comanche

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

ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	
Operator: License # 3882	2310 Feet from (S)N (circle one) Line of Section
Name: Samuel Gary Jr. & Associates	
Address 1670 Broadway, Suite 3300	Footages Calculated from Nearest Outside Section Corner: NE, SE, NW or (SW)(circle one)
	Lease Name Selzer Well # 16-9
City/State/Zip Denver, CO 80202	Field Name Schumacher North
Purchaser: KOCH	Producing Formation Pawnee
Operator Contact Person: Tom Fertal	Elevation: Ground 1752' KB 1765'
Phone (303) 831-4673	Total Depth 7550' PBTD 5600'
Contractor: Name: Pratt Well Service	Amount of Surface Pipe Set and Cemented at 7081 Feet
License:	Multiple Stage Cementing Collar Used? Yes No
Wellsite Geologist: <u>NA</u>	If yes, show depth set
Designate Type of Completion	
New Well Re-Entry X Workover	If Alternate II completion, cement circulated from
X Oil SWD SIOW Temp. Abd. Gas ENHR SIGW Dry Other (Core, WSW, Expl., Cathodic, etc)	feet depth tow/sx cmt.
Gas ENHR SIGW Other (Core, WSW, Expl., Cathodic, etc)	Drilling Fluid Management Plan REWORK 94 6-4-97 (Data must be collected from the Reserve Pit)
If Workover:	
Operator: Samuel Gary Jr. & Associate	Schloride contentppm Fluid volumebbls
Well Name: Selzer 16-8	Dewatering method used
Comp. Date 3/19-94 Old Total Depth 7350 XXX CEMENT SQUEEZE XXX Deepening XXX Re-perf. Conv. to Inj/SMD X Plug Back PBTD Commingled Docket No.	Location of fluid disposal if hauled offsite: Operator Name
Commingled Docket No. Dual Completion Docket No. Other (SWD or Inj?) Docket No.	Lease NameLicense No
	Quarter Sec TwpS RngE/W
1-19-97 Date of START Date Reached ID Completion Date of WORKOVER OF WORKOVER	County Docket No
- Room 2078, Wichita, Kansas 67202, within 120 days of the Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on 12 months if requested in writing and submitted with the months). One copy of all wireline logs and geologist well records.	be filed with the Kansas Corporation Commission, 130 S. Market spud date, recompletion, workover or conversion of a well. side two of this form will be held confidential for a period of a 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.
All requirements of the statutes, rules and regulations promule 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. 5-30-97
signature <u>thomas litertal</u> Title <u>Senior Leologist</u> Date <u>5</u>	K.C.C. OFFICE USE ONLY Letter of Confidentiality Attached C Wireline Log Received C Geologist Report Received
Subscribed and sworn to before me this 27th day of	KCC SWD/Rep NGPA KGS Plug Other
January 30, 1999	(Specify)

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East County Comanche	# # \$ \$ \$ 10 mm 10		Tu s desertat	o o lease Nome	Selzer		Well #	16-9	
STREETINGS: Shaw important tops and base of formations penetrated. Detail all cores. Report all drill stee tests give internal tested, the tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static leve drosstatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach coty of log. Fill Sten Tests Taken	'ateror were Ramn								
STRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests givinerval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static levely directed pressures, bottom lote temperature, full recovery, and flow rates if gus to surface during test. Attach copy of log. It is marked to the temperature full recovery, and flow rates if gus to surface during test. Attach copy of log. It is marked to the temperature full recovery, and flow rates if gus to surface during test. Attach capt of log. It is marked to the temperature full recovery, and flow rates if gus to surface during test. Attach capt of log. It is marked to the temperature full recovery, and flow rates if gus to surface during test. Attach capt of log. It is marked to the test of log. It is all sets taken capt of log. It is said to see the set of log. It is all sets to see the set of log. It is all sets to see the set of log. It is all sets to see the set of log. It is all sets to set of log. It is all set	e. <u>16</u> Tup. <u>345</u>		ראח	country	<u> </u>			•	
Name	nterval tested, tim vdrostatic pressures	important tops me tool open and a, bottom hole h	and base of formati nd closed, flowing a temperature, fluid re	and chur-in bres	isures. Wheth	ier suar, in bie	22016 1604		
Name	rill Stem Tests Take	en	☐ Yes ☒ No	⊠ Log	Log Formation (Top), Depth and 1			Sample	
Per Taken	•			1	3991				
CASING RECORD Suppose According to Accordin	specs selle to desiration on the			1 -					
Marmaton 4804' -3039' Pawnee 4890' -3125' Sarge 5476' -3711' Viola 5929' -4164' Sim_pson 5102' -4337' Arbuckle 6263' -4498' Sim_pson 5102' -4337' Arbuckle 5263' -4498' Sim_pson 5102' -4337' Arbuckle	ਰres Taken			Lansin	Lansing		4260'		
Pawnee			Ķ≟ Yes □ No		on				
All logs were submitted with the viola 5929' -4164' Simpson 6102' -4337' Arbuckle 6263' -4498' CASING RECORD	ist All Filogs Run:			Pawnee	!			-3125'	
Simpson 6102' -4337' Arbuckle 6263' -4498'		re submit	ted with the	1 -					
Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String			oca wion one	1	n				
Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Percent Set (in 0.D.) Size Hole Set (in 0.D.) Set				Arbuck	1e	6263	3 '	-4498'	
Report all strings set-conductor, surface, intermediate, production, etc.			CASING RECORD	हा . इ					
Size Hole	1	Report al	ll strings set-condu	ں میں New لیا ctor, surface, i	sed ntermediate,	production, et	c.		
Surface	Purpose of String	Size Hole	Size Casing	Weight	Setting	Type of	# Sacks	Type and Percent Additives	
Surface	Conductor	30	20		42	redi-mix			
Production 7 7/8 5 1/2 15,5&17 7390 50/50, H 280 2%ge15%sa	Surface	12 1/4	8 5/8	24	708	65/35, A	200 150	6%gel,3%cc 2%gel	
Purpose: X. Perforate Protect Casing Plug Back TD Plug Off Zone Shots Per Foot Specify Footage of Each Interval Perforated O OPEN Hole CIBP 7350' 2 6363-6312' 5948-5972'(4) CIBP 6230 &5600 4905-4912' 1750 gal 15% Hcl YUBING RECORD Size 2 7/8" Set At 4974' NA Size of First, Resumed Production, SuD or Inj. Producing Method Type and Percent Additives Ty				15.5&17	7390	50/50.H	280	2%ge15%sa1	
Top Bottom Type of Cement #Sacks Used Type and Percent Additives Perforate Protect Casing Plug Back TD Plug Off Zone	(AB E. ##/2)								
Protect Casing Plug Back TD Plug Off Zone Plug Back TD Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type 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	Purpose:	, ,	Type of Cement	#Sacks Used	Type and Percent Additives			: 3	
Shots Per Foot PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated Camount and Kind of Material Used) Depth	Protect Casing Plug Back TD	5620-22	н 50/50 рог	490	2%gel 5% salt 2%CC				
Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth O OPEN HOLE 5000 gal 15% Hcl 7390-75 CIBP 7350' 2 6363-6312' 5948-5972'(4) none 4 CIBP 6230 &5600 4905-4912' 1750 gal 15% Hcl 4905-499 TUBING RECORD Size Set At Packer At 2 7/8" 4974' NA Liner Run Yes No Sate of First, Resumed Production, SUD or Inj. Producing Method Flowing Pumping Gas Lift Other (Explain) Estimated Production Oil Bbls. Gas Ncf Water Bbls. Gas-Oil Ratio Gravity aposition of Gas: NETHON OF COMPLETION Production Interval Vented Sold Used on Lease (If vented, submit ACO-18.)	Plug Off Zone							100000	
CIBP 7350' 2 6363-6312' 5948-5972'(4) none 4 CIBP 6230 &5600 4905-4912' 1750 gal 15% Hcl 4905-499 TUBING RECORD Size Set At Packer At 2 7/8" 4974' NA Liner Run Yes No Pote of First, Resumed Production, SMD or Inj. Producing Method Flowing Pumping Gas Lift Other (Explain) Estimated Production Dil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity Per 24 Hears 5 1 Production Interval Sposition of Gas: NETHOD OF COMPLETION Production Interval Vented Sold Used on Lease (If vented, submit ACO-18.)	Shots Per Foot				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth				
CIBP 7350' 2 6363-6312' 5948-5972'(4) none 4 CIBP 6230 & 5600 4905-4912' 1750 gal 15% Hcl 4905-499 TUBING RECORD Size Set At Packer At Liner Run Yes No Pate of First, Resumed Production, SUD or Inj. Producing Method Flowing Pumping Gas Lift Other (Explain) Estimated Production Dil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity Per 24 Heurs 5 15 1 Sposition of Gas: NETHOD OF COMPLETION Production Interval (If vented, submit ACO-18.)	0	OPEN HOLE			5000 gal 15% Hcl 739				
2 6363-6312' 5948-5972'(4) none 4 CIBP 6230 &5600 4905-4912' 1750 gal 15% Hcl 4905-49 TUBING RECORD Size Set At Packer At 2 7/8" 4974' NA Liner Run Yes No Sote of First, Resumed Production, SMD or Inj. Producing Method Flowing Pumping Gas Lift Other (Explain) Estimated Production Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity 15 1 Sposition of Gas: METHOD OF COMPLETION Production Interval (If vented, submit ACC-18.)	P.A. MINISTER S.C.A. PROPERTY COMMUNICATION COST DESCRIPTION OF	CIBP 73	50'						
TUBING RECORD Size 2 7/8" 4974' NA Producing Method 1-27-97 Estimated Production Per 24 Hears Sold Used on Lease (If vented, submit ACO-18.) Set At 2 7/8" A974' NA Producing Method Flowing Pumping Gas Lift Other (Explain) Production Natio Flowing Pumping Gas Lift Other (Explain) Production Interval Production Interval Open Hole Perf. Dually Comp. Commingled	2				none		-		
Size Set At 4974' NA Liner Run Yes No Sate of First, Resumed Production, SWD or Inj. Producing Method Flowing Pumping Gas Lift Other (Explain) Estimated Production Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity Per 24 Heurs 5 15 Sposition of Gas: METHOD OF COMPLETION Production Interval Vented Sold Used on Lease (If vented, submit ACO-18.)	4				1750 gal 15% Hcl 4905-				
Estimated Production Oil Bbls. Gas Mcf Vater Bbls. Gas-Oil Ratio Gravity Per 24 Hears 5 15 1 sposition of Gas: METH29 OF COMPLETION Production Interval Vented Sold Used on Lease (If vented, submit ACO-18.)	YUBING RECORD				Liner Run	☐ Yes ☑	No		
Estimated Production Oil Bbls. Gas Mcf Vater Bbls. Gas-Oil Ratio Gravity Per 24 Hours 5 15 1 sposition of Gas: METH29 OF COMPLETION Production Interval			, SWD or Inj. Prod	ucing Hethod	lowing NPu	mping Gas L	ift 🗆 o	ther (Explain)	
Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 4905-4912'			Bbls. Gas	Mcf Wate	r Bbls.			Gravity	
(If vented, submit ACO-18.)	sposition of Gas:	METHOD O	F COMPLETION						
					. Dualty	Comp. Com	aingled 49	905-4912'	

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