OIL & GAS CONSERVAT	API NO. 15 063-20,811							
WELL COMPLETION OR REC ACO-1 WELL HIS		County Gove						
DESCRIPTION OF WELL	AND LEASE	SE SE	SE se	ec . 17 Twp	115 <sub>Rge</sub> 3	1   XW		
Operator: license # . 5198	• • • • • • • • • • • • • • • • • • • •	(loca	330	. Ft North from S	Southout Come			
Operator: license # 5198  name A. Scott Ritch address 125 N. Market				Ft West from Socate well in section	Southeast Corne	r of Secti		
City/State/Zip Wichita, KS				· ······	Well#			
Operator Contact Person Rocky Phone (316) 267-4375	Milford	1	Penny					
Contractor: license #5422 nameAbercrombie I	Orilling Co.	į		Lansing Ke				
Wellsite Geologist Rich Robb Phone (316) 264-6653	oa			Section Plat				
PURCHASER Koch Oil Con	npany				5280 4950			
Designate Type of Completion  XX New Well Re-Ent	ry i Workover				4620 4290			
⊠ Oil	Town Abd				3960 3630			
☐ Gas ☐ Inj	<ul><li>Temp Abd</li><li>Delayed Comp.</li></ul>				3300 2970			
☐ Dry ☐ Other (Core, Water	er Supply etc.)				2640			
If OWWO: old well info as follows:	· RE	CEIVED			1980 1650 1320			
Operator		RATION COMMISS	101		990 660			
Comp. Date OI	d Total Danib DEC	7 1984			330			
•	CONSERVA	77-1984	5280 4950 4620 4290 3960 3630	2970 2640 2310 1980 1650 1320 990	330			
WELL HISTOR	Y Wichit	a. Kansas	WATER SU	PPLY INFORM	MATION			
Drilling Method: X Mud Rotary Air	_	Source of Wat	er:	•		•		
9/19/84 10/01/84  Spud Date Date Reached TD	11/13/84 Completion Date	Division of V	_	Permit #	••••••			
4665 RTD 4490 PBTD		∭ Groundwa (Well)	2310	Ft North Fr Ft. West I 11SRge 31	From Southeas			
Amount of Surface Pipe Set and Cemented at	290.70 feet	Surface W	ater	Ft North Fro	om Sourtheast	Corner ai		
Multiple Stage Cementing Collar Used?	🛛 Yes 🗌 No	(Otteam, ron	Sec Twp	Ft Wes		east Corn West		
If Yes, Show Depth Set 2498	} ' feet	⊠ Other (exp	,	water pit	· · · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • • • • • • • •		
If alternate 2 completion, cement circulated	200	(purchased from city, R.W.D.#)						
from . 290.70 feet depth to . surfa	Disposition of Produced Water:   Disposal  Repressuring							
		Docket #	•••••••••••••••••••••••••••••••••••••••	• • • • • • • • • • • • • • • • • • • •		-		
INSTRUCTIONS: This form shall be co Wichita, Kansas 67202, within 90 days after con	ompleted in duplicate and file opletion or recompletion of any	d with the Kansa well. Rules 82-3-1	s Corporation Co	ommission, 200 Co	olorado Derby	Building,		
Information on side two of this form will be held for confidentiality in excess of 12 months.	confidential for a period of 12	months if reques	ted in writing and	submitted with the				
One copy of all wireline logs and drillers time all temporarily abandoned wells.	log shall be attached with thi	s form. Submit C	CP-4 form with ail	plugged wells. Si	ubmit CP-111 f	orm with		
All requirements of the statutes, rules, and reginerein are complete and correct to the best of m	ulations promulgated to regula y knowledge.	te the oil and gas	industry have be	en fully complied v	with and the sta	itements		
Ma				K.C.C. OFFICE US	SE ONLY	Ţ,		
Signature	To talais		F Lette	er of Confidentialit eline Log Received	y Attached	1		
Operator	· · · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • • • • • • • •	C 🗆 Drille	ers Timelog Recei	ved	I Twp		
Title	e-	1.2/.1.4/.1.8.4	☑ KCC	Distribution  SWD/Rep	on [] NGPA	]:=		
Subscribed and sworn to before me this	d. day of December	W. 19 8.4		Plug	Other (Specify)	Rgc .		
Notary Public Lunda K. K. Date Commission Expires 6/0.7/88	ice LHDA	K. RICE			• • • • • • • • • • • • • • • • • • • •	3/4		
	NOTARY STATE OF My Appl. Exp	KANSAS 6/07/88	· F	orm ACO-1 (7-8	14)			

				SIDE T	WO					East	17
	Operator NameA.	Scott Ritc	hie Lease M	Name Enge	<u>.</u> w	ell# .	2. sec.17	TWP. 115	RGE31		
WELL LOG											
	instructions giving interval tested level, hydrostatic pre extra sheet if more sp	l, time tool ope essures, botton	n and closed, i n hole tempera	flowing and ture, fluid re	shut-in p	ressu	res, whether	shut-in pr	essure rea	ched static	
	Drill Stem Tests Samples Sent to Cores Taken	Taken Geological Survey	⊠ Yes ∑ Yes □ Yes	□ No □ No 凶 No			_	ormation Si Log	Description	i i	
of	Cores laken  F #1 from 3982' to slightly oil cut  [P:1180#/45"; FFP	muddy salt	ronto zone). water. IFP:	. Recovere: 55-161#/		B/A Top	nydrite Anhydrite Deka		7op 2497' 2523' 3749'	Bottom (+ 490) (+ 464) (- 762)	
DST #2 from 4020' to 4028' (Lansing A zone). Recovered 70' of oil specked muddy water. IFP:22-22#/45"; ISIP:1249#/45"; FFP:44-44#/45"; FSIP:1237#/45".						Tor Lar Sta Mar	ebner conto nsing urk maton		3972' 3998' 4014' 4228' 4324'	(- 985) (-1011) (-1027) (-1241) (-1337)	
DST #3 from 4077' to 4109' (Lansing E & F zones). Recover: Pawnee ed 2850' of muddy water. IFP:667-1295#/30"; ISIP:1295#/45; Myrick Station FFP:1295-1295#/30"; FSIP:1295#/45". Ft. Scott							n	4411' 4456' 4478' 4506'	(-1424) (-1469) (-1491) (-1519)		
DST #4 from 4143' to 4231' (Lansing H-J zones). REcovered Johnson zone  240' of gas in pipe, 1245' of gassy mud cut oil with no water. IFP:115-357#/30"; ISIP:1237#/45"; FFP:403-506#/30"; Miss. Dolo. FSIP:1214#/45".							4548' 4576' 4636' 4666'	(-1561) (-1589) (-1649) (-1679)			
of	oil cut mud. IFP 9:57-57#/30"; FSI	:46-46#/30 <mark>"</mark>			ered 30					. :	
DST #6 from 4263' to 4290' (Lansing L zone). Recovered 10' of mud. IFP:34-34#/30"; ISIP:69#/30"; FFP:34-34#/30"; FSIP:57#/30".											
gas 300	DST #7 from 4287' to 4343' (Marmaton). REcovered 180' of gas in pipe, 60' of clean oil, 180' of oil cut watery m 300' of slightly oil cut muddy water. IFP:57-138#/45"; ISIP:1294#/45"; FFP:172-241#/45"; FSIP:1271#/45".								•		
	(Continued on s	second page)						<u></u>			1
		Rep	CASING RI		⊠ new ace.interme	_	used production, etc.		type	e and	
	Purpose of string	size hole drilled	size casing set (in O.D.)	weight	setting	g	type of cement	# sacks used	s   per	rcent litives	
	surface Production	12¼" 7-7/8"	8-5/8" 4½"	20# 10.5#	290.70 4658'		quickset 60/40 poz	200 230	1.0% .	onesalt10 s	a
									,		
	shots per foot specify footage of each interval perforated					Acid, I	Fracture, Shot, (amount and kin	•		Depth	
	2 SSB 421	460' L5'-4218'; L5'-4219'	4556'-45	59½'	Squeez Acidize Acidize	ed w/ ed w/	7/200 sks.6 7/50 sks.50 7/50 gal.of	/50 com .15% ac f.15% a	non 2 id 4 cid 4	1460! 2050!-2500 1556!-595! 1215!-18!	
TUBING RECORD size set at packer at					Squeeze	d w/	(1500.gal) (300 sks. o Liner Run	01128.2 f 60/40 □ Yes	pozmix 4	130 -4490	
	Date of First Production				oing 📮 g	jas lift		olain)			
	11/13/84	OII		Gas	w	ater	Gas	Oil Ratio	G	ravity	
	Estimated Production Per 24 Hours	80.0	Bbls	MCF		4.0	Bbls	CFP	-		
l			Buis	ETHOD OF	COMPLETI	ODIS C			PRODUCTION INTERVAL		J
	Disposition of gas:	open hole	□ perfora	tion		}	5 <b>'-</b> 4219	1			
		sold used on lease	c	other (specify)		•••••	••••••				
□ used on lease □ Dually Completed. □ Lansing "J" zone □ Commingled											

☐Commingled

Ben are and a Kaliffort of State

## 15-063-20811-00-00

SIDE TWO (Page Two)

OPERATOR A. Scott Ritchie

LEASE NAME Engel #2

ACO-1 WELL HISTORY
SEC. 17 TWP 11S RGE. 31

(**@**) (w) X

'ILL	IN	WELL	LOG	AS	REQUIRED:	1	
	_						-

SHOW GEOLOGICAL MARKERS, LOGS RUN OR OTHER DESCRIPTIVE INFORMATION Show all important zones of perosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries. FORMATION DESCRIPTION, CONTENTS, ETC. HAME DEPTH (Continued from 1st page) DST #8 from 4436' to 4475' (Myrick Station). Recovered 1200' of gas in pipe, 420' of clean gassy oil, 300' of gassy mud cut oil, 120' of gassy oil cut muddy water, 420' of muddy water. IFP:138-334#/30"; ISIP:1009#/45"; FFP:380-460#/30"; FSIP:986#/45". DST #9 from 4482' to 4505' (Ft. Scott) Recovered 5' of mud, no show of oil. IFP:33-33#/30"; ISIP:77#/30"; FFP:33-33#/30"; FSIP:55#/30". RECEIVED STATE CORPORATION COMMISSION 12-17-1984 **PEC 1 7 19**8 <u>DST #10</u> from 4503' to 4565' (Johnson zone). Recovered 130' of mud cut oil. IFP:44-55#/45"; ISIP:1078#/45"; FFP:77-88#/45"; FSIP:1066#/45". CONSERVATION DIVISION Wichita, Kansas DST #11 from 4631' to 4641' (Miss. Dolomite). REcovered 70' of muddy water. IFP:22-33#/45"; ISIP:1066#/45" FFP:44-44#/45"; FSIP:998#/45".