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_		

SIDE ONE	Compt.
(Rules 82-3-130 and 82-3-107) This form shall be filed with the Kansas Corporate Derby Building, Wichita, Kansas 67202, within nine completion of a well, regardless of how the well well well with the completion of a well, regardless of how the well well well.	ety (90) days after the
FOR INFORMATION REGARDING THE NUMBER OF COPIES TO REQUIRING COPIES OF ACO-1 FORMS SEE PAGE TWO (2),  F Letter requesting confidentiality attached.	
CAttach ONE COPY of EACH wireline log run (i.e gamma ray neutron log etc.)***Check here if NO log	e. electrical log, sonic log, gs were run
PLEASE FILL IN <u>ALL</u> INFORMATION. IF NOT AVAILABLE, LATER BECOMES AVAILABLE, SUBMIT BY LETTER.	, INDICATE. IF INFORMATION
LICENSE # 5769 EXPIRATION DATE	6-85
OPERATOR Harold Krueger Company	API NO. 15-163-22,241-00-06
ADDRESS Box 247	COUNTY Rooks
Natoma, Kansas 67651	FIELD Nyra
** CONTACT PERSON Dean Wineland PHONE 913-885-4701	PROD. FORMATION Arbuckle
PURCHASER Farmland Industries	LEASECarmichael
ADDRESS K.C., Mo.	WELL NO4
	WELL LOCATION 50' W of E/2 NW/4 NW/4
DRILLING Red Tiger Drilling Company	660 Ft. from N Line and
CONTRACTOR 1720 KSB Building	$330$ Ft. from $^{\times}$ Line of $^{\circ}$
Wichita, Kansas 67202	the NW (Qtr.) SEC 15 TWP 9S RGE 17W (W
PLUGGING	WELL PLAT (Office
CONTRACTOR	Use Only
ADDRESS	• KCC_V
	Kes/
TOTAL DEPTH 3,650' PBTD	SWD/REP_PLG.
SPUD DATE 1/24/84 DATE COMPLETED 1/31/84	NGPA
ELEV: GR 2073 DF 2075 KB 2078	NGFA
TOOLS.	
DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE C 14,559	
	OV Tool Used? No
TYPE OF COMPLETION THIS AFFIDAVIT APPLIES TO: (Circle Dry, Disposal, Injection, Temporarily Abandoned. completion Other completion	TE OUTTO de disease e c
ALL REQUIREMENTS OF THE STATUTES, RULES AND REGULATION AND GAS INDUSTRY HAVE BEEN FULLY COMPLIED WITH.	
AFFIDAVIT  Dean Wineland	•
that:	ing of lawful age, hereby certifies
I am the Affiant, and I am familiar with the cor The statements and allegations contained therein are	ntents of the foregoing Affidavit.
	Deun Windows
SUBSCRIBED AND SWORN TO BEFORE ME this /64	_day of,
AL REISNER	
NOTARY PUBLIC	File L Berner
STATE OF KANSAS  RY COMMISSION, EXPIRES: CFIL 18, 1985	(NOTARY PUBLIC)
· · · · · · · · · · · · · · · · · · ·	STATE - 13 CAN PROPERTY OF MISSION

\*\* The person who can be reached by phone regarding any questions concerning this information.

CONSERVATION DIVISION Wichita, Kansas

LEASE Carmichael

SEC. 15 TWP. 9S RGE. 17W (W)

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

## FILL IN WELL INFORMATION AS REQUIRED:

WELL NO. 4

Show all important zones of perceity 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. NAME DEPTH Check if no Drill Stem Tests Run. Check if samples sent to Geological Survey Shale & Sand 270 270 Shale 610 Shale & Sand 610 1062 Red Bed 1062 1339 Anhydrite 1339 1377 1490 Red Bed 1377 Red Bed & Shale 1490 1965 1965 Shale 2570 Shale & Lime 2570 3001 3001 . 3499 Lime Arbuckle 3499 3650 RTD3650 If additional space is needed use Page 2, Report of all strings set -- surface, intermediate, production, etc. CASING RECORD (New) or /(U/s/e/A/) Purpose of string Size hole drilled Size casing set Weight lbs/ft. Setting depth Type and percent additives Type cement Sacks 12 1/4" Surface 8 5/8" 1,353' 24# 60/40 Pozmix 475 2% Gel, 3% C.C. 7 7/8" Production 5 1/2" 3,602' 14# Common 175 10% Salt, 5% Gilsonite, 2% Gel, 3/4 of 1% CFR-2, 10 sx Salt Flush LINER RECORD PERFORATION RECORD Top, ft. Socks coment Shets per ft. Size & type Depth interval TUBING RECORD Setting depth 3543 t Packer set at 2 3/8" 20 الأ 3499 to 3504

	ACID	, FRACTURE, SHOT, CEA	KENT SQUEEZE RECORD	
4	Ameunt e	nd kind of material used		Depth interval treated
250 g <b>a</b> 1.	15% intensified	d acid w/inhibito	or	3499' to 3504'
1000 gal.	15% intensified	l acid w/inhibito	or	3499! to 3504!
		l acid w/inhibito	, or	3499' to 3504'
Date of first product 3-8-84	ion	Producing method (flowing, Pumping		Gravity 23
Estimated Production	-I.P.	Gas 4 bbis.	MCF 97 %	116 bbis. Gas-oil retio

Disposition of gas (vented, used on lease or sold)

Perforations 3499' to 3504'

DEPTH

FORMATION DESCRIPTION, CONTENTS, ETC.

X Check if no Drill Stem Tests Run.

Shale & Sand

Shale & Sand

Shale

Check if samples sent to Geological

LEASE Carmichael

Survey

270

610

BOTTOM

270

610

1062

ACO-1 WELL HISTORY (£)
SEC. 15 TWP. 9S RGE. 17W (W)

FILL IN WELL INFORMATION AS REQUIRED:

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stom tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

WELL NO. 4 SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

HAME

Red Bed Anhydri Red Bed Red Bed Shale Shale & Lime	ite d d & Shale		•	610 1062 1339 1377 1490 1965 2570 3001	106 133 137 149 196 257 300 349	9 7 0 5 0		
Arbuckl RTD	Le			3499	365 365	0		
		,						
							· •	
	·							
If additional Report of all stri	I space is n				RECORD	(New)	or /( <i>Uk</i> ke)	÷ 7.
فالمتات والقائران وبها ومنشير والمناوي ومينا المروب والمنا		intermediate,		c. CASING	RECORD Type ce		or /(U/s/e/	Type and percent additives
Report of all stri	ings set — surface,	intermediate,	production, et	c. CASING	<u> </u>	ment	Spcks	Type and percent
Report of all stri	ings set — surface, Size hole drilled	Size cosing set (in 0.0.)	production, et Weight lbs/ft.	c. CASING	Type ce	ment	Spcks	Type and percent additives  2% Gel, 3% C.  10% Salt, 5%  Gilsonite, 2% Gel, 3/4 of 1
Report of all stri Purpose of string Surface	Size hole drilled  12 1/4"  7 7/8"	Size cesing set (in 0.D.)  8 5/811  5 1/211	Weight Ibs/ft.	Setting depth	тур• се 60/40 I	men? Pozmix	5pcks 475 175	Type end percent edditives  2% Gel, 3% C.  10% Salt, 5%  Gilsonite, 2%  Gel, 3/4 of 1  CFR-2, 10 sx  Salt Flush
Report of all stri Purpose of string Surface	Size hole drilled  12 1/4"	Size cesing set (in 0.b.)   8 5/8"   5 1/2"	production, et Weight lbs/ft. 24#	Setting depth  1,353'  3,602'	тур• се 60/40 I	ment Pozmix PERFORA	\$peks 475	Type and percent additives  2% Gel, 3% C.  10% Salt, 5%  Gilsonite, 2%  Gel, 3/4 of 1  CFR-2, 10 sx  Salt Flush
Report of all stri  Purpose of string  Surface  Production	size hole drilled  12 1/4"  7 7/8"  LINER RECOR	Size cesing set (in 0.b.)  8 5/8"  5 1/2"  RD  Secks ce	production, et Weight lbs/ft. 24#	Setting depth  1,353'  3,602'	60/40 E Common	ment Pozmix PERFORA	475 175	Type and percent additives  2% Gel, 3% C.  10% Salt, 5%  Gilsonite, 2%  Gel, 3/4 of 1  CFR-2, 10 sx  Salt Flush
Report of all stri  Purpose of string  Surface  Production	Size hole drilled  12 1/4"  7 7/8"  LINER RECOR	Size cesing set (in 0.b.)  8 5/8"  5 1/2"  RD  Secks ce	production, et Weight lbs/ft.  24#  14#	Setting depth  1,353'  3,602'	60/40 E Common	ment Pozmix PERFORA	475 175 ATION RECO	Type and percent additives  2% Gel, 3% C.  10% Salt, 5%  Gilsonite, 2%  Gel, 3/4 of 1  CFR-2, 10 sx  Salt Flush  Depth interval
Report of all stri Purpose of string Surface Production Top, ft.	Size hole drilled  12 1/4"  7 7/8"  LINER RECORD  Setting depth 3543"	Size cesing set (in 0,b.)     8	production, et  Weight lbs/ft.  24#  14#   ement  URE, SHOT, 6	Setting depth  1,353' 3,602'  Shets	60/40 I Common	PERFORA  Six	475 175 ATION RECO	Type and percent additives  2% Gel, 3% C.  10% Salt, 5%  Gilsonite, 2%  Gel, 3/4 of 1  CFR-2, 10 sx  Salt Flush  Depth interval
Report of all stri  Purpose of string  Surface  Production  Top, ft.	Size hole drilled  12 1/4"  7 7/8"  LINER RECORD  Bettom, ft.  TUBING RECORD  Setting depth 3543"  Amou	Sixe cessing set (in 0.D.)  8 5/811  5 1/211  ACID, FRACTI	production, et  Weight lbs/ft.  24#  14#   ement  URE, SHOT, 0	Setting depth  1,353' 3,602'  Shets  20  CEMENT SQL	60/40 I Common	PERFORA  Six	Speks 475 175 ATION RECO	Type and percent additives  2% Gel, 3% C.  10% Salt, 5%  Gilsonite, 2% Gel, 3/4 of 1  CFR-2, 10 sx Salt Flush  RD  Depth interval  3499 to 3504
Report of all stri Purpose of string Surface Production  Top, ft.  250 gal. 1	Size hole drilled  12 1/4"  7 7/8"  LINER RECORD  Settling depth 3543!  Amount  5% intensif	Size cesing set (in O.D.)  8 5/8"  5 1/2"  Focker s  ACID, FRACTI  acid acid	production, et  Weight lbs/ff.  24#  14#  URE, SHOT, of material used  w/inhibit	Setting depth  1,353' 3,602'  Shels  20  CEMENT SQU	60/40 I Common	PERFORA  Six	Speks 475 175 ATION RECO	Type and percent additives  2% Gel, 3% C.  10% Salt, 5%  Gilsonite, 2% Gel, 3/4 of 1  CFR-2, 10 sx Salt Flush  Popth Interval  3499 to 3504
Report of all stri Purpose of string Surface Production  Top, ft.  250 gal. 1 1000 gal. 1	Size hole drilled  12 1/4"  7 7/8"  LINER RECORDANCE  Bettem, ft.  TUBING RECORDANCE  Setting depth 3543!  Amount  5% intensif	Size cesing set (in O.D.)  8 5/8"  5 1/2"  Secks ce  ORD  Pecker s  ACID, FRACTO  Fied acid  fied acid	production, et  Weight lbs/ft.  24#  14#  URE. SHOT, of  w/inhibit  w/inhibit	Setting depth  1,353' 3,602'  Shets  20  CEMENT SQU  itor	60/40 I Common	PERFORA  Six	3499	Type and percent additives  2% Gel, 3% C.  10% Salt, 5%  Gilsonite, 2% Gel, 3/4 of 1  CFR-2, 10 sx Salt Flush  RD  Depth Interval  3499 to 3504  1 to 3504  1 to 3504
Report of all stri Purpose of string Surface Production  Top, ft.  250 gal. 1 1000 gal. 1 2500 gal. 1 Date of first production	Size hole drilled  12 1/4"  7 7/8"  LINER RECORDANCE  Bettem, ft.  TUBING RECORDANCE  Setting depth 3543!  Amount  5% intensif	Size cessing set (in 0.D.)  8 5/811  5 1/211  RD  Secks ces  ORD  Pecker s  ACID, FRACTI  fied acid  fied acid  fied acid	production, et  Weight lbs/ft.  24#  14#  14#  URE, SHOT, of meterial used  w/inhibit  w/inhibit  w/inhibit g method (flow)	Setting depth  1,353' 3,602'  Shets  20  CEMENT SQU  itor  itor	Type cell 60/40 I Common  per ft.	PERFORA  Six	Speks 475 175  ATION RECO  • 6 type  Jet  3499 3499 3499	Type and percent additives  2% Gel, 3% C.  10% Salt, 5%  Gilsonite, 2% Gel, 3/4 of 1  CFR-2, 10 sx Salt Flush  Popth interval  3499 to 3504  1 to 3504  1 to 3504  1 to 3504
Report of all stri  Purpose of string  Surface  Production  Top, ft.  250 gal. 1 1000 gal. 1 2500 gal. 1 Date of first production 3-8-84	Size hole drilled  12 1/4"  7 7/8"  LINER RECORDANCE  Bettem, ft.  TUBING RECORDANCE  Setting depth 3543!  Amount  5% intensif	Size cessing set (in 0.D.)  8 5/811  5 1/211  RD  Secks ces  ORD  Pecker s  ACID, FRACTI  fied acid  fied acid  fied acid	production, et  Weight lbs/ft.  24#  14#  URE, SHOT, of material used  w/inhibit  w/inhibit	Setting depth  1,353' 3,602'  Shets  20  CEMENT SQU  itor  itor	Common  Per ft.  UEEZE RECO	PERFORA  Sixt	Speks 475 175 175  ATION RECOLO  6 6 type  3499 3499 Gravit	Type and percent additives  2% Gel, 3% C.  10% Salt, 5%  Gilsonite, 2% Gel, 3/4 of 1  CFR-2, 10 sx Salt Flush  RD  Depth interval  3499 to 3504  pth interval treated  1 to 3504  1 to 3504  27 23
Report of all stri Purpose of string Surface Production  Top, ft.  250 gal. 1 1000 gal. 1 2500 gal. 1 Date of first production	Size hole drilled  12 1/4"  7 7/8"  LINER RECORD  Bettom, ft.  TUBING RECORD  Setting depth 3543!  Amou  5% intensif  5% intensif  5% intensif	Size cessing set (in 0.D.)  8 5/811  5 1/211  RD  Secks ce  ORD  Pecker s  ACID, FRACTI  fied acid  fied acid  Freducing	weight lbs/ft.  24#  14#  14#  URE. SHOT, waterial used  w/inhibi  w/inhibi  g method (flow)  Pumpi  Gos	Setting depth  1,353' 3,602'  Shets  20  CEMENT SQU  itor  itor  itor  ing, pumping, ging	Type cell 60/40 I Common  Per ft.  UEEZE RECO  Total lift, etc.)  Weter  MCF 97	PERFORA  Sixo  1211 J  ORD	Speks 475 175 175  ATION RECORD  6 6 Hype  3499 3499 Gravit  116 bbls.	Type and percent additives  2% Gel, 3% C.  10% Salt, 5%  Gilsonite, 2% Gel, 3/4 of 1  CFR-2, 10 sx Salt Flush  RD  Depth interval  3499 to 3504  1 to 3504  1 to 3504  1 to 3504