STATE OF KANSAS STATE CORPORATION COMMISSION CONSERVATION DIVISION 200 Colorado Derby Building Wichita, Kansas 67202

WELL PLUGGING APPLICATION FORM

(PLEASE TYPE FORM and File ONE Copy)

15-103-21819-00-00
API # Comp. 11/82 (Identifier number of this well). This must be listed for wells drilled since 1967; if no API# was issued, indicate spud or completion date.
WELL OPERATOR AMERICAN LARIAT KCC LICENSE # 6656 (owner/company name) (operator's)
ADDRESS 850 BOW VALLEY SQUARE 3 CITY CALGARY, ALBERTA, CANADA,
STATE 255 5th Ave. SW ZIP CODE T2P 3G6 CONTACT PHONE # (403) 266 - 1024
LEASE LARIAT M. ROGERS WELL# 1 SEC. 18 T. 7S R. 17W (East/West)
330' FEET (in exact footage) FROM (Not Lease Line)
1650' FEET (in exact footage) FROM (E)W (circle one) LINE OF SECTION (NOT Lease Line)
Check One: OIL WELL X GAS WELL D&A SWD/ENHR WELL DOCKET#
CONDUCTOR CASING SIZE 13 3/8 SET AT 110. CEMENTED WITH 100 Sx. SACKS
SURFACE CASING SIZE 8 5/8 SET AT 1232' CEMENTED WITH 225 SX SACKS
PRODUCTION CASING SIZE 5 1/2 SET AT 3322* CEMENTED WITH 100 SX SACKS Squeezed down thru Braden W/125 Sx. LIST (ALL) PERFORATIONS and BRIDGEPLUG SETS: Arbuckle Perfs: 3295 to 3301*
Baker BP @ 3280' 1 Sx. Gement on top Baker BP @ 3268' Arb. Perfs: shut off by BP/ ELEVATION 1770 CI T.D. 3325' PBTD 3268' ANHYDRITE DEPTH 1222' (G.L./K.B.) (Stone Corral Formation)
CONDITION OF WELL: GOOD POOR CASING LEAK X JUNK IN HOLE No
PROPOSED METHOD OF PLUGGING 300 Sx 35/65 Poz 10% Gel. Fill Casing and squeeze to 500#.
As required for K.S.A. 55-101
(If additional space is needed attach separate page)
IS WELL LOG ATTACHED TO THIS APPLICATION AS REQUIRED? Yes IS ACO-1 FILED? Yes
If not explain why?
PLUGGING OF THIS WELL WILL BE DONE IN ACCORDANCE WITH K.S.A. 55-101 et. seq. AND THE RULES AND REGULATIONS OF THE STATE CORPORATION COMMISSION.
LIST NAME OF COMPANY REPRESENTATIVE AUTHORIZED TO BE IN CHARGE OF PLUGGING OPERATIONS: RECEIVED RECEIVED
Charles D. Farr, Consultant for American Lariat PHONE 913) 628-2513 ADDORAGE 1973
ADDRESS 209 West 33 St. City/State Hays, Kansas 67601 2 9 1553
PLUGGING CONTRACTOR Allied Cementing Co. Russell. Kansas KCC LICENSE # NAIGHON
(company name) (gostilla a (company name) (gost
PROPOSED DATE AND HOUR OF PLUGGING (If Known?) ASAP .
PAYMENT OF THE PLUGGING FEE (K.A.R. 82-3-118) WILL BE GUARANTEED BY OPERATOR OR AGENT
DATE: 6/10/93 AUTHORIZED OPERATOR/AGENT: 6 Marles D. Jarr (signature)

Joan Finney Governor

Jim Robinson Chairman

F. S. Jack Alexander Commissioner

> Rachel C. Lipman Commissioner

Judith McConnell Executive Director

> Brian Moline General Counsel



Kansas Corporation Commission

15-163-21819-00-00

NOTICE OF RECEIPT OF WELL PLUGGING APPLICATION

June 29, 1993

American Lariat 850 Bow Valley Square 3 255 5th Ave SW Calgary Alberta Canada

Lariat M. Rogers #1 API 15-N/A 330 FSL 1650 FEL Sec. 18-07S-17W Rooks County

Dear Charles D. Farr, Consultant for American Lariat,

This letter is to notify you that the Conservation Division is in receipt of your plugging proposal, form CP-1, for the above-captioned well.

Your CP-1 has been reviewed by the Conservation Division central office for completeness and to verify license numbers. The plugging proposal will now be forwarded to the district office listed below for review of your proposed method of plugging. Please contact the district office for approval of your proposed plugging method at least at five (5) days before plugging the well, pursuant to K.A.R. 82-3-113 (b). If a workover pit will be used during the plugging of the well it must be permitted. A CDP-1 form must be filed and approved prior to the use of the pit.

It has recently come to my attention that the form CP-1 has been filed by operators other than the owner or operator of the well and without the consent of the owner or operator. The Conservation Division's review of form CP-1, either in the central or district office, does not include an inquiry into well ownership or the filing operator's legal right to plug the well.

This notice in no way constitutes authorization to plug the above-captioned well by persons not having legal rights of ownership or interest in the well. This notice is void after ninety (90) days from the above date.

David P. Williams Production Supervisor

ncerely,

District: #4 2301 E. 13th Hays, KS 67601 (913) 628-1200

Conservation Division
William R. Bryson
Director
200 Colorado Derby Bldg.
202 W. 1st Street
Wichita, Kansas 67202-1286
Telephone (316) 263-3238

WELL SUMMARY COMPLETION OPERATIONS

OPERATOR:

American Lariat Inc.

WELL NAME:

American Lariat #1 M Rogers

LOCATION:

10' SE of C, SE, SW, SE, sec 18-twp 75-rge 17w

COORDINATES:

320' FSL, 1640' FEL

ELEVATIONS:

Grd: - 1770 K.B. - 1775

SERVICE RIG CONTRACTOR: Superior WEll Servicing

PRODUCTION CASING:

82 jts. $5\frac{1}{2}$ ", 14#, J-55 landed at 3321.2£t.K.B. Cemented with 100 sx Class "A" + 6% gypseal + 4% gel + 3/4 of 1% CaCl₂ + 3/4 of 1% friction reducer. Plug down at 1745 hrs 11-25-82.

P.B.T.D.:

Insert float at 3308.7 ft. K.B.

CORRELATION LOG:

Gamma ray/collar locator/MSG bond log

3292-2600' K.B.

Log P.B.T.D. -

3292' K.B.

Current P.B.T.D.

3314.4' K.B.

ZONES TESTED:

1. Arbuckle: perforations 3295-3301' K.B.

with 4" casing gun at 4 SPF.

ZONE STIMULATION:

1. Arbuckle:

3295-3301. Acidized with 250

gals. 15% MSR acid. Max

treating press-600 psi, Max

inj. rate 1 bpm.

DOWN HOLE EQUIPMENT:

102 jts. 2 7/8", 6½#, J-55 tubing, + 2-2 7/8", 6½#, J-55 pup joints. String landed at 3311.7 ft. K.B. Pump seating nipple at 3279.2 ft. K.B.

2½" x 2" x 12' R.W.T. bottom hole pump. Run on

130, 3/4" plain, Norris 78 sucker rods.

WELL STATUS:

Producing Arbuckle Oilwell

,0164

RECEIVED
STATE CORPORATION COMMISSION
JUN 29 1953

CONSERVATION DIVISION Wichita, Kansas

Lariat #1 M Rogers Completion Report

November 27, 1982.

Rig up Great Guns logging unit. Ran combination gamma ray correlation log and MSG bond log from plug back total depth 3292 feet to 2600 feet K.B. Excellent bond through out. Found cement top at 2870' K.B. Rig out Great Guns logging unit.

Daily Cost: \$2216.00

November 29, 1982.

At 0800 hrs. move in and rig up Superior Well service rig. Unload 105 jts. 2 7/8" tubing. Make up 4 7/8" bit and sub. Dress, tally, drift and run 103 jts. 2 7/8" tbg with 4 7/8 bit on bottom at 09:45 hrs. Tag fill at 3308.93 feet K.B. Rig up power swivel and clean out to 3314.4 feet K.B. Drilling soft cement and cotton seed hulls. Pull tubing and bit out of hole. At 1530 hrs. rig to swab. Pulled 10 swabs, estimate fluid level at 3200 feet. Rig out swab. Rig up Great Guns and perforate with 4" casing gun from 3295 to 3301 ft. K.B. R.A. Guard reference using 4 S.P.F. Found fluid level at 2875 ft. Retrieve gun to 2600 feet, wait 15 min. fluid level. No apparent fluid entry. perforating gun. Rig out Great Guns perforating S.D.F.N. @ 1630 hrs. unit.

Daily Cost: \$11,185.00 Cum: \$13,401.00

RECEIVED
STATE CORPORATION COMMISSION
JUN 2 9 1953

CONSERVATION DIVISION Wichita, Kansas

November 30, 1982.

At 0800 hrs. SICP - 0 psi. Commence running 102 jts. 2 7/8" tubing in hole. Land tubing at 3311.7 feet K.B. Pump seating nipple at 3279.2 feet K.B. Rig up thg swab. recover 10.7 bbls. Commenced swabbing at 10:15 hrs. Pulled 6 swabs recovered 14 bbls. Hole swabbed dry. Rec'd water with trace oil. Rig out swab. Rig up Service acid truck. Acidized with 250 gallons 15% MSR acid. Unable to treat perforations. Suspended operations with acid on bottom and 600 psi on wellhead. S.D.F.N. @ 1800 hrs.

Daily Cost: \$2512.00 Cum: \$15,913.00

December 1, 1982.

At 0800 hrs. SITP - vacuum. Resume acid treatment. Perforations broke down and took 200 gals acid overnight. Displace remaining 50 gals. at 1 bpm and 0 psi. Well on vacuum. Rig out Service acid. Rig to swab. Load to recover 80 bbls. Pulled total of 19 swabs. Rec'd 90.9 bbls total. Estimated load to recover 19.6 bbls. Estimated oil recovery 30.5 bbls. Shut down for night @ 1700 hrs. Daily Cost: \$1450.00 Cum: \$17,363.00

December 2, 1982.

At 0800 hrs. TP = 0 psi. CP = 0 psi.1 run with swab. Recovered 1800 ft. of fluid, comprising of 1200 feet, oil, and 600 feet of load water. Load to recover 16.1 bbls. out swab. Install flow tee. Pick up and run RWT $2\frac{1}{2}$ " x 2" x 12' insert pump. Run in with 130 3/4" plain Norris 78 sucker rods. Seat pump and install stuffing box. Set pump 1 foot off tap. Rig out equipment. Rig released at 1330 hrs. Commence building grades for tank battery install-RECEIVED \$267,4455.00 ation and pumping unit.

Daily Cost: \$9092.00 Cum:

JUN 2 9 1993

- December 5, 1982. Crew arrived at 1400 hrs. Commence setting gun bbl and oil storage tanks. S.D.F.N. @ 1800 hrs.
- December 6, 1982. Crew arrived with 114 Sentry pump unit and C-66 motor. Assemble and install same. Commence laying gas line to unit. S.D.F.N. @ 1800 hrs.
- December 7, 1982. Complete tank battery installation, lead lines and tie ins. Fluid level at 17½ jts. from surface. Start unit at 1700 hrs, leave pumping with 54" stroke at 6 spm.
- December 8, 1982. TP 30 psi CP 0
 Made 72.4 bbls fluid in 18 hours. Leave pumping.
- December 9, 1982. TP 30 psi CP 0

 Made 63.1 bbls fluid in 24 hrs. Rebalance unit reduce speed to 4 spm. Leave pumping.
- December 10, 1982. TP 30 psi CP 0
 Made 90.2 bbls in 24 hrs. Leave pumping.
- December 11, 1982. TP 30 CP 0 Made 42.7 bbls in 24 hrs. Leave pumping.
- December 12, 1982. TP 30 CP 0

 Made 70.5 bbls in 24 hrs. Shut down unit; shorten stroke to 34'. Restart at 6 spm.

 Leave pumping.

 Final Report.



DATE Nov. 30 - Dec. 1, 1982

WELL NAME

LARIAT #1 M ROGERS

ZONE !	PREATED	ARBUCKLE		PERFORATIO	ONS 3295	-3301 4S	PF		THE STATE OF THE S		nd sandkridger i denaker gage var	er eranden tig innessen.		****	
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13:10	74		3.0				4	150	Load h	ole			,		
13:23	6	74	2.0					150	Hole L	oaded	Star	t 15	응 M:	SR a	cid
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13:34		93½	0	-				0	Acid @	perf	s. Sto	p pu	mps	•	,
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14:08	<u> </u>	93.75				,*		150	Wash b					1	****
14:24								200	Increa	se pre	ess.				
14:35		· · ·					•	200	Press	bled t	0 150	-Inc	reas	se t	.0200
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1600	1,	94						400	Wash b	у.	~				
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16:20									11 11	350	11		11 5	500	
16:30)							11 11	450	!!		" 6	500	
16:40		941/2						600	Wash b	у.		·		han driver draw you	
16:50	Come	32			1 				Bled to	0 475-	-Incre	ase	to (500	

29 1953

Time _.	Vol	Cum Vol	Rate	Sand	Amt. Sd	Sd	Cum Sd	Inj. Press P.s.ć.	Remarks
	$\frac{m^3}{}$	m ³	m ³ /min	Mesh	Kq	Conc3	<u>Ka</u>	Mpa	1
7:15						,			Bled to 475-Increase to 600
7:30		***************************************							" Increase to 600
8:00		~			***************************************			600	Suspend operations-Well head
_		12-1-82	, –	-					to displacement tank. S.D.F.N
800h	rs.								Well took 200 gals of flush o
									night off truck. Pump 50 gal
									more of flush in at an inject
									rate of 1 bpm and 0 psi.
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			***************************************	~*************************************					
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CEH ATION DIVISION							***************************************		
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SWAB REPORT

Well Name: M Rocers # 1 Well Location: 10' SE of C, SE, SW., SE

Packer in hole: no Perfs Swabbed: ARBUCKLE 3295-3301

Tubing Size: 27/8" Casing Size: $5\frac{1}{2}$ " Date: Dec. 1, 1982

nnoing	Size:	2 /	<u>/8" (</u>	Casing Size	e: <u>5</u>	55"	_ Date: <u>Dec. 1</u>	<u>, 198</u>
	Load t	o recov	er = 80 bl	ols.				
				Cum	Pres	sures .	i	
	Swab	Fluid	Recovery	Recovery			<u> </u>	
Time	No.	Level	, T	_			Remarks	
	140.		bbls	bbls	PSi	PSi	NEILALAS	
3:10-		425'-					<u> </u>	
10:15	12	30001	71.2	71.2	nil	nil	grabbing 60°	011
			11.2	11.4	1177	11 T T	swabbing 60%	OTT
1.0:45		2995-					•	
12:45	3	2825	6.9	78.1	- 11	11	60-100% oil	
		2.1						
13:45	1.	2800	2.9	81.0	11	"	100% oil	
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ECEIVED MATION COMMINI MAY 2 9 1993

CONSERVATION DIVISION WINDOWS REPORTED TO THE CONTRACT OF THE

PIPE TALLY SHEET

WELL NAME LARIAT # 1 M ROGERS	DATE	November	29,	1982
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1	32	30	31	10	32	34	32	48	30	61
2		70	32	54	32			58	32	
3	32	65	32	78	32			57	32	27
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5	32	62	32	40	32			35	32	47
6	32	_36	32	_32	32		32	43	32	65
7	32	34	32	32	32	44	30	_75	32	34
8	32	59	32	_37	2.7	87	32	_56	32	63
9	32	57	32	52	32	35	32	50	32	54
	32	55	32	6.3	32	55	32	4.3	32	55
10	32	27	2.9	15	32	58	32	40	32	42
11	32	51	32	54	32	54	30	26	32	52
12	32	50	32	51	32	45	32	80	32	45
13	32	41	32	56	32	26	29	07	32	50
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16	32	60	32	35	32	34	32	43	32	24
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18	32	55	32	51	32	59	32	58	32	62
19	32	.: 86	32	59	32	80	32	59	29	15
20	32	39	32	40	32	61	32	44	32	61
	650	16	644	93	643	39	642	43	644	27

	SUMMARY									
Col. 1	650	16								
2	644	93								
3	643	39								
4	642	43								
5	644	29								
	3225	18								
Fwd.	161	99								
Fwd.	_									
Fwd.	_									

3387

97

TUBING/CASING

o.p. 2 7/8"

6½

Grade J-55

Range two

Thread 8rd

Make ERW

Collar E.U.E

Tallied by: Crew

105 Tot. Jts. on location

3 Jts. out (Incl. Ldg. Jt.)

102 Jts. perm. in hole

Remarks: Bit & sub = 1.85

K.B. diff = 3.25

STAYE COORDON TION COMMISSION

JUN 29 1993

CONSERVATION DIVISION Wichita, Kunsas

PIPE TALLY SHEET

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RECEIVED
STATE CORPORATION OCCUMUSSION
WIN 29 1953

Agent of Operator ___

TUBING AND WELLHEAD	EQU	IPM	IENT D	ate NO	vember 30, 1982
well AMERICAN LARIAT # 1 M ROGER	S		I	ocation _	
K.B. Elevation 1775 K.B. to Csg. F					
Casing: O.D. 5½" Wt. 14 #			•		
Liner: O.D Wt Top _		S	et At	Inte	ernal Depth
Perfs/Open Hole: 3295-330] (F					pen Hole
Tubing: O.D. $\frac{2.7/8"}{w_{t}}$ wt. $\frac{6\frac{1}{2}}{2}$ # Grant	ade	5	Range 2	M	Take JAPANESE
No. of Joints On Location 105 No. of Joints Perm. in Well 102			Tallied	Length _	3387.19
FINAL TUBING STRING FROM BOTTOM UPWAR				20	3270.12
Description	Lengt	h	Set at Top	÷	Remarks
1 jt. 2 7/8" tba.	32	30	3279.56		
1 API PUMP SEAT NIPPLE		25	3279.31	MIN.	I.D. 2½"
102 jts. 2 7/8" tbg.	3257	82	21.49		
2 - 2 7/8" pup jts.	18	24	3.25		
			,	-	
		-			
		·			
Total String Length	3308	61	Time Pipe	Started	0800 HRS.
K.B. to Tubing Hanger Flange (Plus)	3	25	1		0945 HRS.
Setting Depth K.B.	3311	86	1		rbg. 3314
Wt. of Tubing String 21,520 Wt.	on Packer				
Wellhead: Series					
Master Valve: Type					
Choke: Type					rode 21 by 2"
12' B.H.P. 2-2', 1-4', 1-6', 1-1 liner. Pump landed 1' above to		myr	ods. 1% b	λ Τρ.	poilsh rod. c/w
Tanct. Tamp Tanded I above Co	up.		Agent of Oper	atorD	. Smith

GREAT GUNS

Sonic Cement Bond Log

FILING NO.	COMPAN	IY Hmer	ican L	aria	t I	, 1C.	
	WELL	Laria	t M.	Roge	rs #	±/	
	COUNTY			STAT	TE/	Kansas	
		SE-SN	Other Serv	ices:			
	i	18Twp.					1776
Permanent Datum						Elev.: K.B. 🖊	
Log Measured From	n Kelly	Busking	ج Ft. Above	e Perm.	Datum	1	
Drilling Measured	•					G.L	770_
Diming moderate)				
Run No.		On				One	
Date & Time Surve	Y	//-	27-82				
Date & Time Ceme	enting	// - 5	25-82				
Type Cementing O	peration	Pri	nary		Gani	na Ray - Co 3329	CL
Depth Driller		33	29'			3329	
Depth Logger			92			3292	
Logged Interval		3289	to <i>えんの</i> ひ		32.	84 to 2	600
Casing Driller		5主	@ 3321			@	
Float Collar-D.V.	Tool						
Squeeze Depth							
Amount & Type Co	ement	10	05x. Shu	ir-fill			
Amount & Type A	dmix		•				
Type Fluid in Hole		W	ater			.3	$\perp D \perp \mid$
Fluid Level		F	u /		الم	<u> </u>	
Salinity PPM CI		Fre	esh.		LECEN	JED LESION	$\mathcal{A}\mathcal{A}\mathcal{A}$
Weight lb/gal—Vi	s.			4	NEOF.	W COMO.	
Approx. Logged C	em. Top	28	70 -	STATE	Du.	and:	البيال
Calculated Cemen	t Top		**************************************		4412	1) 1/2/25 / 1	<u> </u>
Max. Hole Temper	rature			°F.	JUN	n (labl)	°F
Tool No.					100017	WAR CAN SIGN	
Spacing Recorded					Macuis	1K ^{sug} sp1 []	
Equipment—Locat	tion	37	Hays	Po	Mable	Mest	
Recorded by		K. Cha	Hee				
Witnessed by		Mr.	Smith				

AMERICAN LARIAT CALGARY, ALBERTA

RECEIVED NOV 1 3 1333

M. ROGERS No. 1 SE-SW-SE

Sec. 18-75-17W Rooks Co. Ks.

Objective: Plug off Arbuckle formation and test Lsg. & Marmaton zones.

Sat. 11/7/92

Move in unit and pull pumping equipment, move in testing tank. Steam clean and pressure test 2 7/8" tubing. (Lost 3 Jts. thread wash and high pressure split.)

Mon. 11/9/92

Gt Guns wireline Co. on location to set EZ drill Cast Iron bridging plug with hydraulic setting assembly Top of Plug at 3280'.

Swab 5 1/2" casing dry to 3000', (static fluid level 850' from surface), 30 Min. test fluid level 2680 pulled 7.5 Bls. wtr. with scum of oil, from 3000'.

2nd 30 Min. test recovered 7 Bls. wtr. from 3000'. 3rd 30 Min. test recovered 7 Bls. wtr. from 3000'. Had sample analysed, appears to be arbuckle water. Suspect plug leaking or casing failure. Fill casing to 850' static level and GtGuns dumped 1 sack portland cement on top of bridging plug.

Shut down over night.

Tue. 11/10/92

GtGuns, Made depth check to check cement fill up, found TD 3276'. Swab down to 2600' and test. 30 Min. test recovered 6 Bls. black sulfide water from 2600' (no oil scum) Set another bridging plug top @ 3268' in next joint of casing. Swab down to 2600' and test, 1st 30 Min. pulled 5 Bls. water (muddy water with some solids). Ran Brad Oil Tools packer on 2 7/8" tubing, tag bridge plug @ 3268', took weight of tubing, pull 1 Jt. and shut down over night.

Wed. 11/11/92

Allied Cementing Company on location to pressure test casing. Set packer at 3230', pressure to 2000#, bridge plug holding, switch to annulus pump in 3 Bls./Min @ 300#. Move packer to 3000', pressure tubing to 750#, holding . Move packer to 2000', pressure tubing to 400# pumpin 2 Bls./Min. Switch to annulus, pump in 3 Bls./Min. @ 300#. Didnot locate bad casing problems, pulled tubing and packer, released rig and Allied Cementing Co. Temporary abandon, pending future developments.

> --- RECEIVED STATE CODDODATION COMMISSION

> > JUN 2 9 1993

CONSERVATION DIVISION Wichita, Kansas