STATE CORPORATION COMMISSION OF TANSAS ! A ! A	API NO. 15- 193-20,602-00-00
OIL & GAS CONSERVATION DEVISION U NA [- CountyThomas
ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	N/2 - S/2 - NW Sec. 22 Twp. 9S Rge. 32 X
	3630 Feet from (\$/N (circle one) Line of Section
Name: John O. Farmer, Inc.	3960 Feet from (E/W (circle one) Line of Section
Address P.O. Box 352	Footages Calculated from Nearest Outside Section Corner: NE, SE, NW or SW (circle one)
City/State/Zip Russell, KS 67665	Lease Name Renner Well # 2
Purchaser:	Field Name Oh1 Northwest
Operator Contact Person: Marge Schulte	Producing Formation
	Elevation: Ground 3073 KB 3078
Phone (913) 483-3144	Total Depth 4680' PBTD
Contractor: Name: Shields Drilling Co., Inc.	Amount of Surface Pipe Set and Cemented at 287 Fee
License: 5655	 Multiple Stage Cementing Collar Used? Yes X N
Wellsite Geologist: John O. Farmer IV	If yes, show depth setFee
Designate Type of Completion	If Alternate II completion, cement circulated from
OilSWDSIOWTemp. Abd.	 feet depth tow/sx cmt
Gas ENHR SIGW X Dry Other (Core, WSW, Expl., Cathodic, etc)	Drilling Fluid Management Plan OFA 6472 02-17-52
If Workover/Re-Entry: old well info as follows:	(Data must be collected from the Reserve Pit)
Operator:	Chloride content <u>5.000</u> ppm Fluid volume <u>1.260</u> bbl
Well Name:	Dewatering method usedevaporation
	•
·	Location of fluid disposal if hauled offsite: (notwhauled)
Deepening Re-perf Conv. to Inj/SWD PBTD	Operator Name
Commingled Docket No	Lease NameLicense No.
Other (SWD or Inj?) Docket No.	Quarter Sec. Twp. S Rng. E/W
10-29-92 11-7-92 Soud Date	
Spud Date Date Reached TD Completion Date	County Docket No
Derby Building, Wichita, Kansas 67202, within 120 days of 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	L be filed with the Kansas Corporation Commission, 200 Colorado f the 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 promul 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.
signature John Farne #5	K.C.C. OFFICE USE ONE VED
Title President Date 1	
Subscribed and sworn to before me this 25th day of Nove	C Geologist Report Received
19 92.	Distribution 11-30-1992 KCC SWD/Rep SWD/RSPA
Notary Public Margaret ar Schulter	KGS Plug Plug Other
Margaret A. Schulte Margaret A. Schulte	(Specify)
NOTARY PUBLIC - State of Kansas MARGARET A. SCHULTE My Appt. Exp. 1-27-93	Form ACO-1 (7-91)

c. <u>22</u> Twp. <u>98</u>	^ ^	East	County	<u>Th</u>	omas		
		☑ West					
STRUCTIONS: Show i terval tested, time drostatic pressures more space is need	tool open a , bottom hole	nd closed, flowing temperature, fluid :	and shut-in pres	sures, whet	her shut-in pre	ssure read	hed static leve
ill Stem Tests Take (Attach Additional		X Yes C No	X Log	Formatio	n (Top), Depth	and Datums	Sample
mples Sent to Geolo	gical Survey	□ Yes ☑ No	Name Anhydrite	2	Тор 2654	1	Datum (+424)
res Taken		T Yes No	Topeka Heebner		3833 4040		(-755) (-962)
ectric Log Run (Submit Copy.)		X Yes - No	Lansing Stark		4082 4297	† . †	(-1004) (-1219)
st All E.Logs Run:	Compensate Dual Indu	ed Neutron/Den	Base/KC sity _{Pawnee} Fort Scot	- t	4359 4487 4548	•	(-1281) (-1409) (-1470)
OF SHIELDS DI	RILLERS LO	G ATTACHED.	Cherokee	- -	4578	•	(-1500)
CINUED ON SIDE			Johnson Mississip	ni	4622 4662		(-1544) (-1584)
THOUD ON BIDE	INO, IAGE	CASING RECOR	ת ייד ד	, h ∓	4681		(-1584) (-1603)
	5 4 -1		ں نے ۱۹۰۷ نے				,
	Report at	ll strings set-cond	uctor, surface, i	ntermediate,	production, et	C.	
urpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percen Additives
Surface	12-1/4"	8-5/8"		287'	i 0-40 Pozmi:	195	3% C.C., 2%
		ADDITION	AL CEMENTING/SQUE	ZE RECORD			
Purpose: Depth Top Bottom Type of Cement Perforate		#Sacks Used	#Sacks Used Type and Percent Additives				
Protect Casing Plug Back TD Plug Off Zone	 						
Shots Per Foot		I RECORD - Bridge Pl se of Each Interval			Fracture, Shot, d Kind of Mater	•	Meze Record Depth
· i						·	
JBING RECORD	Size	Set At	Packer At	Liner Run		No	
nte of First, Resumn	ed Production,	SWD or Inj. Prod	lucing Methodi		sping Gas Li		
timated Production Per 24 Hours	oit	Bbls. Gas	Mcf Water		Gas-Oil		Gravity
position of Gas:							
position of des.		PA PA	ETHOD OF COMPLETION	DN		Pi	roduction Interv

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SIDE TWO (Page Two)

. ACO-1 WELL HISTORY

OPERATOR John O. Farmer, Inc. LEASE NAME Renner SEC. 22 TWP. 9S RGE. 32W

Show all important zones of porosity and contents thereof; cored inter- cluding depth interval tested, cushion used, time tool open, flowing and	SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.			
FORMATION DESCRIPTION, CONTENTS, ETC.	ТОР	воттом	NAME	DEPTH
CONTINUED FROM SIDE TWO, PAGE ONE)	·			
DST #1 4241-4288' (L/KC "I" & "J")				
Tool open 30-30-30-30				
Weak blow on both open periods				İ
Rec: 2' mud w/spots of oil FP: 44-44, 44-44]		
SIP: 88-55				
HP: 2125-2125 BHT: 118° F.				
bil: 110 f.				
DST #2 4294-4350' (L/KC "K" & "L")				
Tool open 30-30-45-60 Strong blow on both open periods				
Rec: 5' oil, 224' slight oil & gas cut	mud			
(20% gas, 3% oil) 124' slightly oil cut mud (2% oil)				
1631' oil cut gassy water (10% gas,	L0% oil)			
((Chlorides - 14,000 ppm)				
FP: 516-999, -1030-1030 SIP: 1020-1030			-	
HP: 2104-2094				
BHT: 125° F.				
DST #3 4468-4497' (Pawnee)				
Toollopen 30-30-30				
Weak blow died on 1st open, no blow on Rec: 30' mud, no show	and open			
FP: 38-56, 66-66				
SIP: 895-831 HP: 2157-2136			•	
HP: 2157-2136 BHT: 120° F.				
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hields ORIGINAL Russell, Kansas

WELL LOG

Operator:

John O. Farmer, Inc.

Well:

Renner #2

Commenced:

October 29, 1992

Completed:

November 7, 1992

Contractor:

Shields Drilling Co.

CASING RECORD

Size 8 5/8"

Run 287' Pulled

Cmtd. w/195 sax

Well Description: N/2 S/2 NW

Sec. 22-9S-32W

Thomas County, KS.

Elevation:

3,078' KB

Treatment:

Production:

D & A

Tops:

. Figures Indicate Bottom of Formations

Sand 290' Shale 1,600' Shale & sand streaks 2,127' Shale 2,368' Shale & Sand 2,657 Anhydrite 2,687' Shale 3,172' Shale & lime 4,216' Lime 4,680' RTD

STATE CORPORATION COMMISSION

NOV 7 0 1992

...เจ มเขเรเอเซ niia Kansas

Phone 913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

15-193-20602-00-00 Phone Plainville 913-434-2812 New ORIGINAL

Phone Ness City 913-798-3843

D CEMENTING CO., INC.

1714

Home Office P. O. Box 31

Date 10-30	1-92 Sec. 22	Гwр. 9	Range 3 2	Called Out	On Location	Job Start	Finish 7 15 A
Lease Renn	er Well No.	2	Location	OKley 2'	nd Exit	Thomas	Kan
Contractor 5 h	ields			Owner			
Type Job S	urface		.h, .	To Allied	Cementing Co., Inc.		
Hole Size	2 廿	T.D.	290	cementer a	and helper to assist own	cementing equipment as eer or contractor to do	nd furnish work as listed
Csg.	8 5/8	Depth	287'	Charge To	JO Fain		
Tbg. Size		Depth		.	VVIGIA	3.4.	
Drill Pipe		Depth		Street			
Tool		Depth		City The above w	was done to satisfaction	State and supervision of own	
Cement Left in Csg		Shoe Join	nt .	contractor.		and supervision of Own	er agent or
Press Max.	•			Purchase Or	der No.		
	· ,	Minimun	<u>n</u>	$- x O_1$	inton R	Spery	
Meas Line		Displace	<u> </u>		195	EMENT O	
Perf.				Amount	1 1		
	EQUIPME	NT		Ordered	•	%CC 2%	iel_
No.	Cementer		11/11 -	Consisting	ot		<u> </u>
Pumptrk 177	Helper		14Adoo	Poz. Mix			
No.			321/1	Gel.			
Pumptrk	Helper			Chloride	Contract Contract		
	Driver		Paul	Quickset	A STATE OF THE STA	Market Committee	
Bulktrk							
Bulktrk	Driver				· · · · · · · · · · · · · · · · · · ·	Sales Tax	
	<u> </u>			Handling			
DEPTH of Job	//)	· · · · · · · · · · · · · · · · · · ·		Mileage			
Reference.	ump Ir	uck.				Sub Total	
	Mua						
						Total	
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Remarks:			[otal			RECEIVED STATE CORPORATION OF	OMMISSION
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GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

TERMS: Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

-ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited

to, a reasonable sum as and for attorney's fees:

-PRICES AND TAXES: All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

-TOWING CHARGES: ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

-PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

-DEADHAUL CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S

current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

-SERVICE CONDITIONS AND LIABILITIES: 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner: and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements

caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accom-

plish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

Phone 316-793-5861, Great Bend, Kansas

LIED CEMENTING CO., INC.

Home Office P. O. Box 31 Russell, Kansas 67665 Called Out On Location Job Start Finish Range [wp. Date // - 7 - 92 2:30AN Location DaKley 2Nd EXIT 5N Well No. Owner To Allied Cementing Co., Inc. Type Job You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. 4680' T.D. Hole Size Ċsg. Depth Farmer INC Tbg. Size Depth Street Drill Pipe Depth City The above was done to satisfaction and supervision of owner agent or Tool Depth contractor. Cement Left in Csg. Shoe Joint Purchase Order No. Minimum Press Max. Displace Meas Line Perf. 205 555 60/40 POZ 6706e Ordered 2 **EQUIPMENT** Consisting of Common Cementer Poz. Mix Pumptrk Helper Gel. No. Cementer Chloride 10 Helper Pumptrk Quickset Driver Jason Bulktrk Sales Tax Bulktrk Driver Handling **DEPTH** of Job Mileage Reference: Sub Total Floating Equipment TE PARCORATION CUMMISSION Remarks: 2670 (A) NO_{lotte} 0 SKS Ha Kansas 10

sks in Mouse Hole

10

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