API NO. 15- 141-20,266 -00-00

STATE CORPORATION COMMISSION OF KANSAS OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM	County Osborne
ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	Approx. 100' S of East NW SE NW Sec 22 Twp 10S Rge X West
Operator: License #	2530 V Ft. North from Southeast Corner of Section
Name: Don Karst Well Service, Inc.	2970 Ft. West from Southeast Corner of Section
Address 201 E. 29th Street	(NOTE: Locate well in section plat below.)
P.O. Box 1316	Lease Name Elliott Well # 3
City/State/Zip Hays, KS 67601	Field Name Ruggles
Purchaser: Farmland	Producing Formation Kansas City, Conglomerate, Toronto
	Elevation: Ground 1794' KB 1799'
Operator Contact Person:	Total Depth 3598' PBTD n/a
Phone (913) -628-1125	5280 4950
Contractor: Name: Emphasis Oil Operations	CEIVED 4620 4290
License: 8241 STATE CORPO	PATION COMMISSION 3960 3630
Wellsite Geologist: David Shumaker //~	
Designate Type of Completion X New Well Re-Entry Workover CONSERV	1
Oil SWD Temp. Abd. Wick Gas Inj Delayed Comp Dry Other (Core, Water Supply, etc.)	1320
If OWNO: old well info as follows: Operator:	33,550,500 ALT T
Well Name:	Amount of Surface Pipe Set and Cemented at Feet
Comp. DateOld Total Depth	Multiple Stage Cementing Collar Used? YesX No
Drilling Method:	If yes, show depth set Feet
Mud Rotary Air Rotary Cable	If Alternate II completion, cement circulated from
7/31/91 8/8/91 8/28/91 Spud Date Date Reached TD Completion Date	feet depth tow/sx cmt.
Derby Building, Wichita, Kansas 67202, within 120 days 82-3-106 apply. Information on side two of this form will writing and submitted with the form. See rule 82-3-wireline logs and drillers time log shall be attached with	nd filed with the Kansas Corporation Commission, 200 Colorado of the spud date of any well. Rule 82-3-130, 82-3-107 and be held confidential for a period of 12 months if requested in 107 for confidentiality in excess of 12 months. One copy of all this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 ll temporarily abandoned wells. Any recompletion, workover or ys from commencement date of such work.
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 he best of my knowledge.
Signature Donald Harsh	K.C.C. OFFICE USE ONLY
Donald D. Karst Title President Date 1	F Letter of Confidentiality Attached 1-11-91
Subscribed and sworn to before me this $\underline{11th}$ day of $\underline{\underline{Nove}}$ 19 $\underline{91}$.	Distribution
Notary Public Allem Payton	KCCSWD/RepNGPAOtherOther
Coffleen Payton Date Commission Expires $5-2-95$	(Specify)
Colleen Payton	\(\frac{1}{2}\)
State of Ransde	Form ACO-1 (7-89)



SIDE TWO

perator Name Don	Karst We	ell Service,	Inc.	_ Lease	Name	Elliot	t		Well #	3
Sec. 22 Twp. 10	OS Rge. 1	East		County	<i>/</i>	Osborne	9			
NSTRUCTIONS: Show nterval tested, ti ydrostatic pressure f more space is ne	important ime tool op es, bottom h	tops and base of en and closed, nole temperature,	flowing and	shut-in	pres	sures, wheth	ner shut-ir	pre	ssure read	ched static level
rill Stem Tests Ta (Attach Addition	Formation Description									
amples Sent to Geo	Log XX Sample									
ores Taken		☐ _{Yes} [₹ No	Name	.					·om
Electric Log Run Yes No (Submit Copy.)				Name Top Bottom						
		•		Base Congl	ng K Kans omer kle	Cansas Citsas City	2964 3227	(-1) (-1) (-1)	163) 424) 522) 571)	
•	e epo	rt all strings a	et concucto	X New		sed ntermediate,	production), et	c.	1
Purpose of String	Si ze Ho Drille			Weight Lbs./F		Setting Depth	Type Cemer		# Sacks Used	Type and Percent Additives
Surface	$-\frac{12-1}{7-7}$			24#		702	60/40 p		300	3%cc,2%ge1
Production		/8 5-1/s	<u> </u>	14#		3447	60/40 p	oz_	225	10%salt,5% g
Shots Per Foot		ATION RECORD cootage of Each I	nterval Per	forated		Acid, I				rueeze Record Depth
2hpf		,3153-59,300	08-11,299	92-96		500ga1 15	7 INS			3322-34
2hpf 4hpf	2936-40 3180-82				2000 gal 15% INS 3180-8 4000 gal: 15% INS 3153-5					3180-82
		ر .					15% INS			2994 & 311
TUBING RECORD	Size 2-3/8"	Set At 3595		Packer At		Liner Run	Yes	*X	No	
Date of First Prod 8-28-91	uction Pro	ducing Method	Flowing XX	Pumping	☐ G	as Lift 🗆 (Other (Expl	ain)		
Estimated Production Per 24 Hours	on Oil	Bbls.	Gas O	Mcf	Wate	r Bbls.	Gas	-Oil	Ratio	Gravity
isposition of Gas:	no gas		METHO	DO OF COM	PLETI	ON		***********	F	Production Interva
Vented Solo			Open Ho	le 🗓 F	erfo	ration 🗆 D	ually Comp	lete		
		-	U Other (Specify)					<u>3</u>	322-34
							•			992-3182 o.a. 936-40

DON KARST WELL SERVICE, INC. P.O. Box 1316 Hays, Kansas 67601

GEOLOGICAL REPORT

Elliott No. 3 100' S of NW-SE-NW, Section 22, Twp. 10 South, Rge. 15 West Osborne County, Kansas

RECEIVED STATE OF THE STATE OF

NOV 2 1 1991

Co. Womaa, kansas

August 7, 1991

Don Karst Well Service, Inc. P.O. Box 1316
Hays, Kansas §7601

GEOLOGICAL REPORT:

CONTRACTOR:

DRILLING COMMENCED:

DRILLING COMPLETED:

CASING RECORD:

SMAPLES:

DRILLING TIME:

DRILL STEM TESTS:

LOGS:

ELEVATION:

Filiot No. 3 100' S of NW-SE-NW 22-105-15W Osborne County, Kansas

Emphasis Oil Operations Rig No. 6 P.O. Box 506 Russell, Kansas 67665

July 31, 1991

August 6, 1991

8 5/8 set at 702' with 300 sx. 5 1/2 set at 3447' with 210 sx.

10' intervals from 2650' to 3598' R.T.D.

By Geolograph.
1' intervals plotted and recorded from 2550' 3598' R.T.D.

No tests were run on the Elliott No. 3.

Dual Compensated Porosity and Dual Induction Great Guns, Great Bend, Kansas

American Elevations, Inc. Kelly Bushing 1799' Ground Level 1794' Measurements from K.B.

ORIGINAL 15-141-20266-00-00

FORMATION TOPS (Dual Induction Log)

FORMATION	DEPTH	MINUS DATUM
Anhydrite	962	+837
Base-Anhydrite	998	+801
Topeka	2671	-872
Heebner	2913	-1114
Toronto	2935	-11 36
Lansing-Kansas City	2962	-11 63
Base-Kansas City	3 223	-1424
Conglomerate Sand	3321	-15 22
Arbuckle	3370	-1571
Rotary Total Depth	359 8	-1 799
Log Total Depth	3597	- 1798

Lithology: Zones of Interest

NOTE: All sample descriptions have been corrected to the log measurements.

Topeka 2971 (-872-Top)

Topeka 29/1 (-0/2-Top)		
2702-06	LS;	White to buff, poor crystalline porosity with scattered light stain, slightly chalky. Very slight show of free oil and faint odor.
Toronto 2935 (-1136)		
2936 – 39	LS;	White, traces of crystalline porosity with light stain. Trace of free oil and faint odor.
Lansing-Kansas City 2962 (-1163)		
2976-78 B Z one	LS;	White to buff, fine crystalline, dense to chalky. No free oil or odor.
2992-96	LS;	Buff to white, fair colitic
C Zone		and fossil cast porosity, with scattered light stain. Very slight show of free oil and faint odor.

Lithology: Page	- 2
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2000 72	* a	
3009-12 D Zone	LS;	White, crystalline and oolitic porosity with scattered light stain. No free oil but faint odor.
3038-40 F Z one	LS;	White, crystalline to slightly fossiliferous. Poor porosity with scattered light spotty stain. Very slight show of free oil and faint odor.
3046-53 G Zone	LS;	White, fossiliferous and oolitic. No visible show.
3102-05 H Z one	LS;	White, poor crystalline porosity with a trace of stain. No free oil or odor.
3152-56 3158-60 J Zone	LS;	Buff, crystalline porosity, slightly chalky colitic and fossiliferous. Scattered light to dark stain. Show of free cil and fair odor.
3180-82 K Zone	LS;	Buff, crystalline and fossil porosity with scattered light stain. Very slight show of free oil and faint odor.
Base-Kansas City 3223 (-1424)		
Conglomerate Sand 3321 (-k522) 3321-28 3332-35	SS;	White to transparent, fine grained, well sorted and rounded. Fair porosity with dark stain. Very slight show of heavy free oil and very faint odor.
Arbuckle 3370 (-1571)		
3370 - 72	Dol;	White, fine crystalline and dense. No shows.
3407-3416	Dol;	Buff, good medium crystalline porosity with no dhow.
3416-T.D.	Dol;	Buff to pink, fair to good medium to coarse crystalline porosity with no shows. This section appears to be permeable for use as a disposal if needed.
NOTE: All other sample descriptions	are on t	he time/lithology log.
Rotary Total Depth 3598 (-1799) Log Total Depth 3587 (-1798)		

REMARKS AND RECOMMENDATIONS

The Elliott No. 3 Lansing-Kansas City minus of -1163 was 3 feet lower than Elliott No. 2. The Lansing-Kansas City B, C, F, J and K Zones described in this report contained shows of oil and should be perforated.

The Conglomerate Sand minus of -1522 was 2 feet higher than that of the Elliott No. 2. The Sand contained fair porosity and a show of heavy free oil. This sand section should be perforated also.

The Arbuckle datum of 1571 was 21 feet higher than the Elliott No. 2, but contained no shows of oil.

It was recommended that pipe be set at least 50 feet in the Arbuckle with rat hole below for use as a disposal in the future if or when the Lansing and Conglomerate zones become non-commercial.

DMS/das

Respectfully Submitted,

David M. Shumaker Petroleum Geologist Phone 913-483-2627, Russell, Kansas

Phone 315-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

No

3284

ALLIED CEMENTING CO., INC. Home Office P. O. Box 31 Russell, Kansas 67665 15-141-202 66-00-00

							15 111 20.			
and the state of t	Sec.	Гwp.	Range	Ċ	alled Out	On Location	Job Start	Finish		
Date 8 - /	- 11 22	10	15			1,00		8:45-AN		
Lease 5-11	1011 Well No.	3	Location	//	atoma	148-45	County	State		
Contractor &	Emphasis	01/0	120 #	6	Owner					
Type Job					To Allied C	ementing Co., Inc.				
ž.	244		709'	en-en-conservation per diselve	cementer an	eby requested to rent cer d helper to assist owner	nenting equipment an or contractor to do v	d furnish vork as listed.		
Hole Size /	S 5 4 . 8	T.D.	0-7					*		
Csg.	<u> </u>	Depth	702		Charge Don Karst Well Sorvice					
Tbg. Size		Depth			Street 201 8. 29th 54					
Drill Pipe		Depth		-						
Tool	X.	Depth			The above was done to satisfaction and supervision of owner agent or					
Cement Left in	Csg. 15	Shoe Joint		,	contractor.					
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Pumptrk	Helper				Chloride	NOV 2 1 1	991	1		
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Bulktrk	Driver						Sales Tax			
DEPTH of Joh					Handling	1.00 per 5	K			
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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 work-manship 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 913-483-2627, Russell, Kansas none rightyllie y lysasaszorz Phone 316-793-5861, Great Bend, Kansas ORIGINAL Phone Ness City 913-798-3843 2085 15-141-20266-00-00 Home Office P. O. Box 31 Russell, Kansas 67665 Range Called Out On Location Job Start Finish Sec. Γwp. a Am 8-6-91 County State Well No. Location Owner Contractor To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed-Type Job Box 1316 Hole Size T.D. Pungles Charge Csg. Depth To Farmland Depth Tbg. Size Street Deptho Drill Pipe n/aCity State 108-) D800 Anhydrite The above was done to satisfaction and supervision of owner agent or Tool (A] [Shoet Joint Cement Left in Csg. Purchase Order No. 1136) Toro Press Max. ng. (41424) Displace Kansas City Meas Line CEMENT ISEE omerate Perf. (-1471) aree U Amount (-1798)3598 Ordered **EQUIPMENT** Consisting of Common No. Cementer Poz. Mix Helper Pumptrk Gel. Cementer No. Chloride .2Zgel 702 300 60/40 Helper 200 8/2-8 12-1/4 Quickset Surface 5-11-8 1-118 Driver Producti 14件 Bulktrk Sales Tax Driver Bulktrk Handling 8428/91 DEPTH of Job Con Mileage 500ga 2000 Reference: S8 latoT du22936-40 \$ 311.0 2500 Total Sub Total Floating Equipment Tax 2-3/3" Total Remarks: 2-28-91 lith November 130 3180-3182 o.c.

GENERAL TERMS AND CONDITIONS

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