Date Commission Expires

STATE CORPORATION COMMISSION OF KANSAS OIL & GAS CONSERVATION DIVISION

FORM MUST BE TYPED	SIDE ONE
STATE CORPORATION COMMISSION OF KANSAS OIL & GAS CONSERVATION DIVISION WELL COMPLETION FORM	API NO. 15- 155- 21,286 - 000 0 County Reno ORIGINAL
ACD-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	50'S - C - NE - SW :Sec. 20 Twp. 25 S Rge. 09 x
Operator: License # 31160	
Name: Phillips Exploration Company,L	C 3300 Feet from(E)W (circle one) Line of Section
Address 100 S. Main, Suite 510	
	Lease Name Conkling Well # 1-20"A"
City/Stete/Zip <u>Wichita, Kansas 67202</u>	 Field Name _ Langdon
Purchaser: NCRA	Producing Formation Mississippi Chert
Operator Contact Person: James B. Phillips	
Phone (_316)265-2857	
Contractor: Name: Sterling Drilling Co., Inc.	Amount of Surface Pipe Set and Camented at 232 Fee
License:5142	Multiple Stage Cementing Collar Used? Yes _X N
Wellsite Geologist: Casey Galloway	If yes, show depth set Foe
Designate Type of Completion	
x New Well Re-Entry Workover	If Alternate II completion, coment circulated from
X_OflSIOWTempAKC	
Operator: Well Name: Comp. Date Old Total Depth	thloride content 10000 ppm Fluid volume 2000 bbla Dewatering method used evaporation & hauling Location of fluid disposal if hauled offsite:
Deepening Re-perf Conv. to Thj/SWD	
Plug Back PBTD PBTD	Operator Name C & C Tank Service, Inc.
Dual Completion Docket No Other (SWD or Inj?) Docket No	Lease Name Roach SWD License No. 30708
9/3/93 9/12/93 9/30/93	SW Quarter Sec. 14 Twp. 23 S Rng. 09 SEXW
Spud Date	County Reno Docket No. 22208
Derby Building, Wichita, Kansas 67202, within 120 day Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information 12 months if requested in writing and submitted with months). One copy of all wireline logs and geologist we RUST BE ATTACHED. Submit CP-4 form with all plugged	omulgated to regulate the oil and gas industry have been fully complied
The sand SHALD	
Signature () smos D7 104m	K.C.C. OFFICE USE ONLY F Letter of Confidentiality Attached
Title President Date	
Subscribed and sworn to before me this 24^{-1} day of 94 .	Distribution KCC SWD/Rep NGPA
	·

ADA C. MAY
NOTARY PUBLIC
STATE OF KANSAS
MY Appt. Exp. /0-28-95

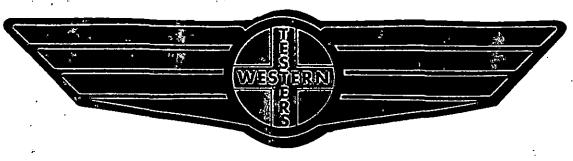
Form ACO-1 (7-91)

Plug

_Other (Specify)

Operator Name <u>Phil</u>	lips Explo	ration Co	mpany,	LC Lease	Name	Conklin	g	Well #	1-20"A"
20 Twp. 25 S	Rge. 09	East Wy West		Count	y	Reno			•
IMSTRUCTIONS: Show interval tested, tim nydrostatic pressure if more space is need	e tool open a , bottom hole	nd closed, f temperature,	lowing a	nd shut-ir	pres	ssures, wheti	ner shut-in p	ressure rea	ched static leve
Orill Stem Tests Take		□ _{Y••} □] No	IX.	Log	Formatio	n (Top), Dept	h and Datum	Sample
Samples Sent to Geol	•	□ yes □] No	Nam	•		To	P	Datum
Cores Taken	•	□ yes ☑] ,	Heeb			3214 3421		1495 1702
Electric Log Run (Submit Copy.)		⊠ _{Yes} □		Lans: B/KC Chero	okee	Shale	3766 3873 3896	; - } -	2047 2154 2177
ist All E.Logs Run:				Miss		_ · _	3960		2241
DIL, SDL/DSN, I	FF-MSG, Cor	al		Kindo T.D.	erho	ok Shale	3874 4050		2255 2331
	Report a		i RECORD	X Xew			production,	etc.	
Purpose of String	Size Hole	Size Cas Set (In	- :	Weight Lbs./F		Setting Depth	Type of Cement	# Sacks Used	Type and Percer Additives
Surface	12 1/4	8 5/8		20	,	232	60/40 Poz	175	3%CC,2%ge1
Production	7 7/8	5 1/2	ļ	15.5		4046.54	Howco EA-2	2 150	10%salt,1%g
				5% Ca1S	eal,	.6 of 1%	Halad 322,	5#/sk G	llsonite
		AD	DITIONAL	CEMENTING	/SQUE	EZE RECORD			
Purpose:	Depth Top Bottom	Type of Ce	ment	#Sacks U	sed		Type and Perc	ont Additive	s
Protect Casing Plug Back TD Plug Off Zone						<u> </u>			
Shots Per Foot	PERFORATION Specify Footag	RECORD - Br	_		•		Fracture, Shor		uceze Record Depth
4 .	3898 to 39	03		-	•	250 gal	10% acet	Lc	3898-3903
						500 gal	7 1/2% HCI	L, 1500 g	al 6% HCL/
							/2% HF		3898-3903
		•				<u> </u>			<u> </u>
TUBING RECORD	Size 2 7/8	Set At 4025.7	1	Packer A none	t	Liner Run 	☐ _{Y•s} 5	S No	
Date of First, Resum 10/09/93	-	. SWD or Inj.	Produ	cing Metho	^d □ _F	lowing KXPu	sping Gas	Lift 🗆 Ot	her (Explain)
Estimated Production Per 24 Hours	n jail	` í	Gas 20	Hcf	Wate 2		Gas-0	il Ratio	Gravity 34
Disposition of Gas:	<u></u>		, MEI	THOD OF CO	PLĘTI	COM			Production Interv
Vented Sold (If vented, sul		.ease [_	· ·			Comp. Cor	mmingled _	3898-3903
		L	→ Other	(Specify)				_	

FORMATION TEST REPORT



Home Office:

P.O. Box 1599

Wichita, Kansas 67201

Phone 1-80 -688-7021

DST REPORT

GENERAL INFORMATION

DATE : 9-10-93

CUSTOMER: PHILLIPS EXPLORATION CO.

TICKET: 19173
LEASE: CONKLING
GEOLOGIST: JIM PHILLIPS
FORMATION: MISSISSIPPI
TOWNSHIP: 255 WELL : #1-20 A TEST: 2

ELEVATION: 1716 K.B. SECTION: 20 RANGE: 9W COUNTY: RENO RANGE: 4150 STATE : KS GAUGE SN#: 10270 CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3872.00 ft TO: 3917.00 ft TVD: 3917.0 ft

SIZE:

TEST TYPE: OIL

DEPTH OF SELECTIVE ZONE: DEPTH OF RECORDERS: 3876.0 ft 3879.0 ft

TEMPERATURE: 121.0

DRILL COLLAR LENGTH: 425.0 ft 2.200 in I.D.: WEIGHT PIPE LENGTH: 0.0 ft 0.000 in I.D.: DRILL PIPE LENGTH : 3427.0 ft DRILL PIPE LENGTH: 3427.0 ft
TEST TOOL LENGTH: 20.0 ft
ANCHOR LENGTH: 45.0 ft
SURFACE CHOKE SIZE: 0.750 in
MAIN HOLE SIZE: 7.875 in
PACKER DEPTH: 3867.0 ft
PACKER DEPTH: 3872.0 ft
PACKER DEPTH: 0.0 ft I.D.: 3.800 in TOOL SIZE : 5.500 in ANCHOR SIZE: 5.500 in BOTTOM CHOKE SIZE: 0.750 in TOOL JOINT SIZE : 4.5XH SIZE: 6.630 in PACKER DEPTH: PACKER DEPTH: 6.630 in SIZE: 0.000 in 0.0 ft SIZE: PACKER DEPTH: 0.0 ft 0.000 in

MUD INFORMATION

DRILLING CON. : STERLING DRLG. #2

MUD TYPE : CHEMICAL VISCOSITY: 58.00 cp WATER LOSS: 6.000 cc WEIGHT

8.800 ppg 3000 ppm CHLORIDES

JARS-MAKE SERIAL NUMBER: DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

WEAK BUILDING TO A STRONG BLOW IN 9 MINUTES ON INITIAL FLOW PERIOD. STRONG BLOW THROUGHOUT FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID	RECOVERY	}		a.	
Feet of Fluid	%- Oil	% Gas	% Water	% Mud -	Comments
60.0 60.0 60.0 0.0	0.0 5.0 14.0 0.0	0.0 5.0 21.0 0.0 0.0	0.0 0.0 0.0 0.0	100.0 90.0 65.0 0.0	MUD OIL & GAS CUT MUD HEAVY OIL & GAS CUT MUD 2100 GAS ABOVE FLUID

\dashv	RATE INF	ORMATION		f
OTT.	VOLUME:	0.0536	STR	Ţ
	VOLUME	0.0000		መርሞል፣ ፣ የተ

GAS VOLUME: 0.4118 SCF TOTAL FLOW TIME: 120.0000 min.
MUD VOLUME: 0.7193 STB AVERAGE OIL RATE: 5.8899 STB/D
WATER VOLUME: 0.0000 STB AVERAGE WATER RATE: 0.0000 STB/D
TOTAL FLUID: 0.7729 STB

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1838.00

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Description	Duration	pl p End
INITIAL FLOW INITIAL SHUT-IN FINAL FLOW FINAL SHUT-IN	30.00 60.00 90.00 120.00	93.00 93.00 749.00 104.00 114.00 769.00

FINAL HYDROSTATIC PRESSURE: 1827.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1846.00

Description	Duration	p1	p End
INITIAL FLOW INITIAL SHUT-IN FINAL FLOW FINAL SHUT-IN	30.00 60.00 90.00 60.00	92.00	92.00 743.00 115.00 701.00

FINAL HYDROSTATIC PRESSURE: 1823.00 %

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 9-10-93 TICKET : 19173

CUSTOMER: PHILLIPS EXPLORATION CO. LEASE : CONKLING : #1-20 A GEOLOGIST: JIM PHILLIPS WELL TEST: 2

FORMATION: MISSISSIPPI ELEVATION: 1716 K.B.

SECTION TOWNSHIP: 25S : 20 : 9W COUNTY: RENO STATE : KS

RANGE GAUGE SN#: 10270 CLOCK : 12 **RANGE** : 4150

INITIAL FLOW Time Delta P (min) Pressure 92.00 92.00 92.00 0.00 5.00 $\bar{0}.00$ 10.00 92.00 0.00 92.00 15.00 0.00 92.00 20.00 0.00 92.00 25.00 30.00 0.00 92.00 0.00

ſ	-	INITIAL SHUT	IN	_	
	·	Time (min)	Pressure	Delta P	Horner T
		3.00 6.00 9.00	109.00 172.00 233.00	109.00 63.00 61.00	0.00 0.00 0.00
		12.00 15.00 18.00 21.00	289.00 343.00 393.00 441.00	56.00 54.00 50.00 48.00	0.00 0.00 0.00 0.00
		24.00 27.00 30.00	488.00 526.00 563.00	47.00 38.00 37.00	0.00 0.00 0.00
		33.00 36.00 39.00 42.00	594.00 628.00 651.00 672.00	31.00 34.00 23500 21500	0.00 0.00 0.00 0.00
		45.00 48.00 51.00 54.00	686.00 701.00 714.00 724.00	14:00 15:00 13:00 10:00	0.00 0.00 0.00 0.00
		57.00	734.00	10.00	0.00

ORIGINAL

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL S	HUT IN (CONTINUED)			
Time (min)	Pressure	Delta P	Horner T	
60.00	743.00	9.00	0.00	-

\dashv	FINAL	FLOW	 -	-
,	Time (min)		Pressure	Delta P
-	0.00 5.00 10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00		107.00 107.00 107.00 107.00 107.00 107.00 107.00 108.00 108.00	107.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00
	50.00 550.00 605.00 70.00 75.00 80.00 90.00		108.00 109.00 110.00 110.00 111.00 112.00 113.00 114.00 115.00	0.00 1.00 1.00 1.00 1.00 1.00

FINAL SHUT	IN		
Time (min)	Pressure	Delta P	Horner T
3.00	135.00	135.00	0.00
6.00	199.00	64.00	0.00
9.00 12.00	251.00 305.00	52.00 54.00	0.00 0.00
15.00	355.00	50.00	0.00
18.00	402.00	47.00	0.00
21.00	447.00	45.00	0.00
24.00	497.00	50.00	0.00
27.00	525.00	28.00	0.00
30.00	553.00	28.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

	FINAL SHU	r in (Continued)			
4 •	Time (min)	Pressure	Delta P	Horner T	
_	33.00 36.00 39.00 42.00 45.00 48.00 51.00 54.00 57.00	577.00 603.00 624.00 638.00 654.00 665.00 678.00 687.00 694.00	24.00 26.00 21.00 14.00 16.00 11.00 13.00 9.00 7.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00	

ORIGINAL

STERLING DRILLING COMPANY

BOX 129

STERLING, KANSAS 67579 (316) 278-2131

SAMPLE LOG CONKLING # 1-20-A

API#15-155-21286

Located: 50' South of C NE-SW, Section 20-25S-09W,

Reno County, Kansas

OWNER: PHILLIPS EXPLORATION COMPANY

ROTARY DRILLING CONTRACTOR: STERLING DRILLING COMPANY

COMMENCED: September 3, 1993 COMPLETED: September 12, 1993

TOTAL DEPTH; 4050' K.B. Driller

4047' K.B. Logger

LOG

0' - 74' Surface Soil and Sand

74' - 235' Red Bed

235' - 530' Shale and Red Bed

530' - 800' Red Bed

800' - 4050' Lime and Shale

CASING RECORD

Spud at 8:45 am, 9-3-93. Drilled 235' of 12½" hole. Ran 5 joints of 8-5/8", 20# casing. 220.36' pipe set at 232' K.B. Cemented with 175 sacks of 60/40 Pozmix with 2% gel and 3% cc. Plug down at 1:45 pm, 9-03-93, by Allied Cementing Company with returns to surface.

Ran 97 joints New 5½", 15.5# casing. Total of 4050' pipe set at 4046' K.B. Cemented with 150 sacks EA2 & 500 gal HOWCO mud flush. Plug down at 8:20pm, 9-12-93.

DEVIATION SURVEYS

1/4 degree at 235'; 1 degree at 4050'

KANSAS CORPORATION COMMISSION CONSERVATION DIVISION CONSERVATION DIVISION CONSERVATION DIVISION CONSERVATION DIVISION

Phone 913-483-2627, Russell, Kansas Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

2883

NEW	HORNA OLLICA L' O. BOX 2.1	rōssan'i valista ∩ , ααΩ	
		المحالية ا	nish BOPA
Date /			
Lease CONKLING W	Tell No. 1-20A Location (ANC	SDON IN YOU KEND KAN-	SAS
Contractor STERITNE	DAIG # B	Owner PAIZLLIPS EVPLOPHITON	· · · ·
Type Job SURFAC		You are hereby requested to rent cementing equipment and furnish	•
Hole Size 1-2 1/4"	тр. 235′	cementer and helper to assist owner or contractor to do work as lis	ted.
Css. 85/8" 2	3# Depth 235'	To THILLTPS EXPLORATION	,
Tog. Size	Depth	- Street	- , -
Drill Pipe	Depth		
Tool	Depth	City State The above was done to satisfaction and supervision of owner agent or	:
Cement Left in Csg. 20,	Shoe Joint	contractor.	-
Press Max. 250#	Minimum SO#	Purchase Order No.	· · · · · ·
Meas Line	Displace BUL	x Wihithour /300	
Perf.		CEMENT	,
		Amount 1755x 60:40:2 + 3% (ar	,=
EC	QUIPMENT	Consisting of	
No. Cemente	* KPRINGARD	Common	
Pumptrk 266 Helper	(PAIDTAG	TOL. IVIA	
No. Cemente		Gel. Chloride	
Pumptrk Helper		Outobook	
Driver	R. htroen	Quickset	- 4
Bulktrk 222			
Bulktrk Driver		Sales Tax	
<u>• </u>		- Handling	
DEPTH of Job 235'		Mileage	
Reference: PUNIP	CHARGE		
MacEA		TED COION C	
	OF WOOD PUL	Floating Equipment OF ATION COMMISSION Total KANSAS IAN 2 1994	,45
	Sub Total	Floating Equipment ONF	. 4.
	Tex	Floating Equipment VIII 1994 VAN 2 1994 VAN 2 1994 CONSERVATION DIVISION CONSERVATION KS	
Remarks:	Total	JAN JAISION	
Remarks:	CARRINATE!	- KG	
		COMSE MICHIE	
- · · · · · · · · · · · · · · · · · · ·		pro te	7
1	· · · · · · · · · · · · · · · · · · ·		7
		* * * * * * * * * * * * * * * * * * * *	′

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. Notwith-standing 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.