

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 7124
Name H & H Production
Address P.O. Box 348
City/State/Zip Russell, KS 67665

Purchaser Farmland Industries, Inc.
Box 7305 K.C., MO 64116

Operator Contact Person Rudy Herman
Phone (913) 483-4898

Contractor: License # 5929
Name Duke Drilling Co., Inc.

Wellsite Geologist Nelson R. Thomas
Phone 316-943-4676

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date
Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
03-07-89 3-14-89 4-14-89
Spud Date Date Reached TD Completion Date
3590'
Total Depth PBDT

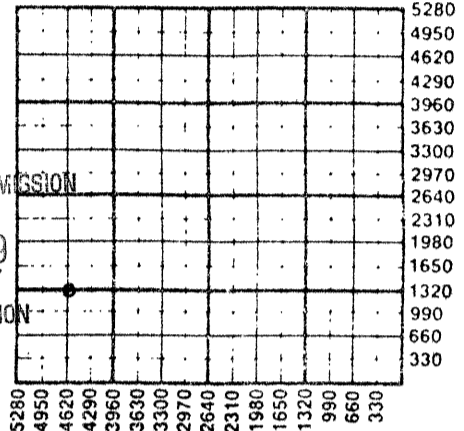
Amount of Surface Pipe Set and Cemented at 252' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set... feet
If alternate 2 completion, cement circulated from 252' feet depth to surface/125' SX cmt
Cement Company Name Allied Cementing Co., Inc.
Invoice # 53546
7-12-89

API NO. 15-141.20.243-00-00
County Osborne
C.W/2.SW Sec. 11 Twp. 10 Rge. 12 East
X West

1320 Ft North from Southeast Corner of Section
4620 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Sigle Well # 1
Field Name Wildcat Sigle
Producing Formation Kansas City
Elevation: Ground 1723 KB 1728

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
MAY 16 1989
5-16-89
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #
Groundwater...Ft North from Southeast Corner (Well) ...Ft West from Southeast Corner of Sec Twp Rge East West
Surface Water...Ft North from Southeast Corner (Stream, pond etc)...Ft West from Southeast Corner Sec Twp Rge East West
X Other (explain) City of Luray (purchased from city, R.W.D. #)

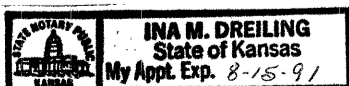
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature H & H Production, INC. (Rudy A. Herman)
Rudy A. Herman
Title President Date 5/15/89

Subscribed and sworn to before me this 15th day of May 1989
Notary Public Dan M. Drelling

Date Commission Expires August 13, 1991



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C [checked] Wireline Log Received
C Drillers Timelog Received
Distribution
[checked] KCC [] SWD/Rep [] NGPA
[checked] KGS [] Plug [] Other (Specify)
5-16-89
Form ACO-1 (5-86)

Sec. 11 Twp. 10 Rge. 12W

SIDE TWO

Operator Name H. & H. Production Lease Name Sigle Well # 1

Sec. 11 Twp. 10 Rge. 12 East West County Osborne

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

LANGING 2953
 -1225
 DST NO. 1
 2959-2992
 OPEN 5 MIN
 SI 30
 OP 60
 SI 30
 FP 41-41
 62-114
 CIRC BHP 1122-1080
 HH 1578-1578
 T 97°
 REC 170' GIP
 250' HOEGCM
 CIRC
 V 40 V 45 WT 9.6
 W 9.7 WL 10.8

Name	Top	Bottom
Anhydrite	756	
Topeka	2660	
Heebner	2898	
Lansing	2953	3287
BKC	3281	
Mississippian	3556	

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12 1/4"	8-5/8"	24#	252'	60/40poz	125	2% gel 3% cc.
Production	7-7/8"	5 1/2"	15 1/2#	3182'	common	100	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	2984 - 2988			100 sx common		3250'	
				250 sx common (squeeze)		2000 lb squeeze	
				Shot		2984-2988'	
				700 gal. 15% Reg Acid			
TUBING RECORD		Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No		
		2"	2950'				
Date of First Production		Producing Method					
4-14-89		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
25 Bbls			MCF	7%	Bbls	CFPB	34

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled

THE DUKE DRILLING COMPANY
GREAT BEND, KANSAS

15-141-20243-00-00
DAILY DRILLING RECORD

FOR 24 HOURS ENDING AT MIDNIGHT

WELL OWNER: *Hot H Production Lease*

19 *87* RIG NO. *1*

SECTION *11* TOWNSHIP *10* RANGE *12* COUNTY *Osborne*

WELL NO. *1*

STATE *Ks*

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
				<i>GARY REEVES</i>	<i>DARRELL LANE</i>	<i>BILL DEAN</i>	<i>15DPT DAYDON WAGNER</i>

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <i>1</i>	REMARKS: <i>RIG UP & WORK ON MUD PUMP</i>				
SIZE					
MAKE					
SERIAL NO.					
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
<i>0</i>	<i>60</i>			<i>Larry Curtis</i>	<i>Dan Gandy</i>	<i>Frank Soucigran</i>	<i>Francis Siggins</i>

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 MAY 16 1989
 CONSERVATION DIVISION
 Wichita, Kansas

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <i>1 1/2</i>	REMARKS: <i>7:00-1:15 Rig up 1:15-1:45 Ratchet</i>				
SIZE <i>505</i>	<i>1:45-3:00 Drill</i>				
MAKE	<i>New 6" Liners</i>				
SERIAL NO.					
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
<i>60</i>	<i>252</i>		<i>Shale & Sd</i>	<i>Curtis Uhl</i>	<i>Steve Cranston</i>	<i>Ralph Droney</i>	<i>Leland Hamby</i>

Run 6" JTS New 2 1/2" 8 1/2" surface pipe 244.9'
 Run 2 1/2" by 1 1/2" well 28' 3" 7.1'
 2 1/2" 2 1/2" well 28' 3" 8.0'
 Plug 1 1/2" 2 1/2" Plug Down @ 8:35
 Cement did fine 1 1/2"
 Pipe set @ 252.0m

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <i>3</i>	REMARKS: <i>3:00 to 6:10 Drill 6:10 to 8:35 Sure</i>				
SIZE <i>505</i>	<i>Shot Bank Bit Run 28' Cement</i>				
MAKE	<i>8:35 to 11:00 Surface work</i>				
SERIAL NO.					
SERIAL NO.					

15-141-20243-00-00

THE DUKE DRILLING COMPANY

DAILY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

3-8 1989 RIG NO. 1

WELL OWNER 144H PROD. INC

LEASE SIGLE

WELL NO. 1

SECTION 11 TOWNSHIP 10 RANGE 10

COUNTY OSBORNE

STATE KS

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
252	504		SHALE-SAND-SHELLS	150AL → BARRY REEVES	DARRELL LANE	BILL DEAN	DAYLON WAGNER

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>1</u> SIZE <u>7/8</u> MAKE <u>SE-200</u> SERIAL NO. <u>RR</u> SERIAL NO. <u>114</u>	REMARKS: 11:00-3:35 W.O.B. CLEAN FUEL STRAINERS ROLL UP PIPE-NEEDLE UP-OUT 30' DALL LENS-TRIP IN W/AR SE-200-GREASE GRABES-RIG MAINT 3:35-3:45 PLUG LEM 3:45-5:45 DALL 5:45-7:00 TRIP 4) #10 SDS CUT 354' IN 1 1/4 NRS-5-3+5 SWIVEL				

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
506	545		shaly	Larry Curtis			
545	756		Red B. 6		Dan Grund		
756	790		A-54			Frank Soucariga	
790	1040		Red B. 6				* Frank Simmons
1040	1105		5014				

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u> SIZE <u>7/8</u> MAKE <u>03</u> SERIAL NO. <u>RT</u> SERIAL NO. <u>34</u>	REMARKS: Pack swing + go into 1-7:00 9:05-Trip 9:05-3:00 Drig				

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
1105	1378		Shale + lime	Curtis Uhl	Steve Cranston	Ralph Droney	* Leland Hamby
1378	1578		Shale + Lime				

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CONSERVATION DIVISION
Topeka, Kansas

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>3</u> SIZE <u>7/8</u> MAKE <u>03</u> SERIAL NO. <u>RT</u> SERIAL NO. <u>64</u>	REMARKS: 3:00 TO 6:00 Drig 6:00 TO 7:30 Bit Trip @ 1400' Net Puller & Replace Belt on Washdown Pump. 7:30 TO 11:00 Drig				

15-141-20243-00-00

THE DUKE DRILLING COMPANY

DAILY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

3-9

1989

RIG NO. 1

WELL OWNER H&H PROD. INC

LEASE SIGLE

WELL NO. 1

SECTION 11 TOWNSHIP 10 RANGE 14

COUNTY OSBORNE

STATE KS

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
1568	1950		LIME & SHALE	GARY REEVES
				DERRICKMAN: DARRRELL LANE
				MOTORMAN: BILL DEAN
				HELPER: DAYLON WAGNER
				HELPER:

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>3</u>	REMARKS: <u>11:00-11:10 R.L.G. 11:10-7:00 DRLG</u>				
SIZE <u>7/8</u>					
MAKE <u>S&S</u>					
SERIAL NO. <u>RR</u>					
SERIAL NO. <u>9/2</u>	JET #1 @ 1626 + 1636				
	JET #2 @ 1688				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
1950	2225		Lime & shale	Larry Curtis
				DERRICKMAN: Dan Gandy
			30 in gal	MOTORMAN: Frank Souvaine
				HELPER: Francis Simmons
				HELPER:

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>3</u>	REMARKS: <u>7:00-7:15 cutting 7:15-3:00 D.L.G.</u>				
SIZE <u>7/8</u>					
MAKE <u>S&S</u>					
SERIAL NO. <u>RR</u>					
SERIAL NO. <u>15/4</u>	JET #1 @ 2055				
	JET #2 @ 2086				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
2225	2520		Lime & Shale	Curtis Ell
				DERRICKMAN: Steve Cranston
			14 Gal	MOTORMAN: Ralph D...
			2 Lime	HELPER: Roland ...
			4 H2115	HELPER:

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>3</u>	REMARKS: <u>3:00 TO 11:00 D.L.G.</u>				
SIZE <u>7/8</u>					
MAKE <u>S&S</u>					
SERIAL NO. <u>RR</u>					
SERIAL NO. <u>22</u>					

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MAY 16 1989
CONSERVATION DIVISION
Wichita, Kansas

THE DUKE DRILLING COMPANY

GREAT BEND, KANSAS

15-141-20243-00-00
DAILY DRILLING RECORD

FOR 24 HOURS ENDING AT MIDNIGHT

3-10 1989 RIG NO. 1

WELL OWNER 44H PROD INC LEASE SIGLE WELL NO. 1

SECTION 11 TOWNSHIP 10 RANGE 18 COUNTY OSBORNE STATE KS

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
2500	2670		LIME SHALE	DRILLER → PARRY REEVES
				DERRICKMAN DARRRELL LANE
				MOTORMAN BILL DEAN
				HELPER DAYLAN WILNER
				HELPER

NEW AIR FILTER #1
30 STARCH
30 S.GEL

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. 3 SIZE 7/8 MAKE SERIAL NO. 144 SERIAL NO. 10	REMARKS: 1:00-1:30 DRUG 1:30-1:40 DRUG 1:40-2:49 DRUG 2:49-4:10 STARCH UP @ 2650 4:10-4:54 DRUG 4:54-6:15 CES @ 2670 6:15-7:00 TRAP #1 @ 2670 S-S STRAP JET #1 @ 2640				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
2670	2768		Lime	DRILLER * LARRY CURTIS
				DERRICKMAN Dan Gandy
				MOTORMAN Frank Overman
				HELPER Francis Simmons
				HELPER

ST. OP 2671.10 BT
2670.09
1.01

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. 4 SIZE 9/16 MAKE CESI SERIAL NO. RR SERIAL NO. 5 1/2	REMARKS: 7:00-8:48 Twp @ 2690 D. 7th 3m @ 1370 ft in 76hr 4/min 8:48, 9:04 CTCH = 9:04-3:00 Drig				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
2768	3295		Lime	DRILLER Curtis Uhl
				DERRICKMAN Steve Cranston
				MOTORMAN Ralph Droney
				HELPER * Leland Henry
				HELPER

15 Salt mud
3 Starch

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. 4 SIZE 7/8 MAKE CESI SERIAL NO. RR SERIAL NO. 13 1/2	REMARKS: 3:00 to 5:25 Drig S:25 to 6:05 All Mud 6:05 to 11:00 Drig 0				

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CONSERVATION DIVISION
Wichita, Kansas

THE DUKE DRILLING COMPANY

DAILY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

3-11 19 39 RIG NO. 1

WELL OWNER 444 PROD. INC LEASE SIGLE WELL NO. 1

SECTION 11 TOWNSHIP 10 RANGE 12 COUNTY OSBORNE STATE KS

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
2995	2992		LINE	BEARN REEVES
				DERRICKMAN DARRRELL LANE
			32 S.GEL 3 STRACH	MOTORMAN BILL DEAN
				HELPER 150AT → DAYLON WAGNER
				HELPER

DRILLING BITS	
RUN NO.	4
SIZE	7 7/8
MAKE	SICE
SERIAL NO.	RR
SERIAL NO.	1535

CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
REMARKS:	11:00-11:48 DR LG 11:48-11:56 DR LG 11:56-1:44 DR LG		2992	3
	1:44-2:50 CFS @ 2982 2:50-3:13 DR LG 3:13-3:46 CFS @ 2982			
	5:46-7:00 S-S + START OUT 4/1 DST			

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
2992				LARRY CURTIS
				DERRICKMAN LARRE KERN
			9 BATTEN 2 STRACH	MOTORMAN Frank Sweeney
				HELPER Francis Sweeney
				HELPER

DRILLING BITS	
RUN NO.	
SIZE	
MAKE	
SERIAL NO.	
SERIAL NO.	

CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
REMARKS:	7:00-8:50 NOT 8:50 P. K. to 4 gain hole			
	9:50-11:55 TUC/OB 5 min 30-60-30			
	11:55-2:25 DR LG 2:25-2:45 DR LG CTCH			

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
2992	3001		Line	Curtis Uhl
			12 Sal mud 2 Strach	DERRICKMAN Steve Crumston
				MOTORMAN Ralph Draney
				HELPER * Leland Hamby
				HELPER

DRILLING BITS	
RUN NO.	4
SIZE	7 7/8
MAKE	SICE
SERIAL NO.	RR
SERIAL NO.	206

CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
REMARKS:	3:00 TO 3:55 DR LG 3:55 TO 4:30 DR LG MUD			
	4:30 TO 4:45 DR LG 4:45 TO 6:10 CFS @ 3026			
	6:10 TO 7:20 DR LG 9:20 TO 10:30 CFS @ 3076			
	10:30 TO 11:00 DR LG			

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CONSERVATION DIVISION
Wichita, Kansas

THE DUKE DRILLING COMPANY

GREAT BEND, KANSAS

15-141-20243-00-00
DAILY DRILLING RECORD

FOR 24 HOURS ENDING AT MIDNIGHT 3-12 19 27 RIG NO. 1
 WELL OWNER 144 PROD. INC. LEASE ST. GLE WELL NO. 1
 SECTION 11 TOWNSHIP 10 RANGE 12 COUNTY D. BORNE STATE KS
IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
3081	3180		LIME	GARY REEVES
			3 STARCH	DERRICKMAN DARRELL LANE
			3 ADLS	MOTORMAN BILL DEAN
			15 S GEL	HELPER DAYLON WALKER
				HELPER

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>4</u>	REMARKS: <u>15:00-12:07 C.F.S @ 3086 12:07-12:18 DRLG 12:18-</u>				
SIZE <u>7 3/8</u>	<u>12:30 RIGV 12:30-5:40 DRLG 5:40-6:52 C.F.S @</u>				
MAKE <u>RR</u>	<u>3180 6:52-7:00 DRLG</u>				
SERIAL NO. <u>RR</u>					
SERIAL NO. <u>25 1/2</u>					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
3180	3295		LIME	LARRY CURTIS
			5 STARCH	DERRICKMAN Dan Gandy
			12 gal	MOTORMAN Frank Souvignier
			1st pass	HELPER * Francis Souvignier
				HELPER

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>4</u>	REMARKS: <u>7:00-7:15 Drlg 7:15-7:30 C.F.S @ 7:30-7:40</u>				
SIZE <u>7 3/8</u>	<u>Drlg</u>				
MAKE <u>CF 51</u>					
SERIAL NO. <u>RR</u>					
SERIAL NO. <u>27 1/2</u>					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
3295	3385		Lime	Curtis WHL
				DERRICKMAN Steve Cranston
				MOTORMAN Ralph Draney
				HELPER * Leland Hamby
				HELPER

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>4</u>	REMARKS: <u>3:00 to 1:00 Drlg</u>				
SIZE <u>7 3/8</u>					
MAKE <u>CF 51</u>					
SERIAL NO. <u>RR</u>					
SERIAL NO. <u>40 1/2</u>					

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Nichita, Kansas

THE DUKE DRILLING COMPANY

DAILY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

3-13 19 83 RIG NO. 1

WELL OWNER WY PROD. INC

LEASE STWIE

WELL NO. 1

SECTION 11 TOWNSHIP 10 RANGE 10

COUNTY OSBORNE

STATE KS

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
8385	3440		LEME	GARY REEVES
				DERRICKMAN → DARRELL LANE
			3 STARCH 3 HULLS 15 S-GEL	MOTORMAN → BILL DEAN
				HELPER → DAYLON WILNER
				HELPER

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>4</u>	REMARKS: 11:00-12:09 DRILL - 12:09-12:26 RIG ✓ 12:30-1:17 DRILL				
SIZE <u>7 1/2</u>	1:17-2:32 CFS @ 3421 2:32-7:00 DRILL				
MAKE <u>WY</u>					
SERIAL NO. <u>100</u>					
SERIAL NO. <u>47</u>	JET HOLE #1 @ 3437				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
3490	3580		1.40	* LARRY CURTIS
				DERRICKMAN → Dan Gandy
				MOTORMAN → Frank Sovereign
				HELPER → Francis S. ...
				HELPER

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>4</u>	REMARKS: 7:00-7:20 Dnlg 7:20-7:30 CFS @ 7:30-11:03 Dnlg				
SIZE <u>7 1/2</u>	11:03-12:12 CFS @ 3548 12:12-1:54 Dnlg				
MAKE <u>WY</u>	1:54-3:00 CFS @ 3580				
SERIAL NO. <u>100</u>					
SERIAL NO. <u>5274</u>					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
3580				Curtis Uhl
				DERRICKMAN → Steve Cranston
				MOTORMAN → Ralph Drancy
				HELPER → * Leland Homby
				HELPER

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>5</u>	REMARKS: 3:00 to 3:10 CFS @ 3580' 3:10 to 3:23 Dnlg				
SIZE <u>5 1/2</u>	3:23 to 4:35 CFS @ 3570' 4:35 to 6:00 Bank				
MAKE <u>WY</u>	for Log 6:00 to 9:10 Logging 9:10 to 10:20				
SERIAL NO. <u>100</u>	Co in Hole @ 10:20 to 11:00				
SERIAL NO. <u>53</u>	Circ to Log Down pipe				

RECEIVED
STATE OIL & GAZETTE COMMISSION
MAY 15 1983
STATE OIL & GAZETTE COMMISSION
WICHITA, KANSAS

THE DUKE DRILLING COMPANY

GREAT BEND, KANSAS

15-141-20243-00-00
DAILY DRILLING RECORD

FOR 24 HOURS ENDING AT MIDNIGHT 3-14 1939 RIG NO. 1

WELL OWNER H&H PROD. INC LEASE SIGLE WELL NO. 1

SECTION 11 TOWNSHIP 10 RANGE 13 COUNTY OSBORNE STATE KS

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
3590	3178	3178	USPH 15" 5/8 CASING Cemented by All of well w/ Robt Satt Flush Ahead Down @ 4:40 Pipe set @ 3:52 RA 3 continuation 1-5-39 Shoe Joint	150 RT GARY REEVES	DARRELL LANE	BILL DEAN	DAYTON WAGNER

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. SIZE MAKE SERIAL NO. SERIAL NO.	REMARKS: 1:00-1:18 C.T.P.H. 4 1/2" 1:18-1:25 L.D.P. 1:25-1:50 CELLAR WORK 1:50-2:20 WAIT ON SHOE C.P. from 3:30 till 4:00 2:20-4:40 RUN + CEM 5" 5/8 CASING 4:40-7:00 SET-SET SLIPS IN CELLAR + START TEAR DOWN				

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
				LARRY CARTER	Move * OAK OAK DR	FRANK SOUTHWELL	FRANK SIMMONS

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. SIZE MAKE SERIAL NO. SERIAL NO.	REMARKS: Frank Tearing Down + Move R.g				

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. SIZE MAKE SERIAL NO. SERIAL NO.	REMARKS:				

RECEIVED
STATE CORPORATION COMMISSION
MAY 16 1939
CONSERVATION DIVISION
Wichita, Kansas

FIELD CEMENTING COMPANY, INC.
P. O. BOX 31
RUSSELL, KANSAS 67665

15-141-20243-00-00

TO: Duke Drilling Company
Box 823
Great Bend, Kns. 67530

INVOICE NO. 53546
TICKET NO. _____
LEASE NAME Segle #1
DATE March 7, 1989

SERVICE AND MATERIALS AS FOLLOWS:

Common 75 sks @\$5.00	\$ 375.00	
Pozmix 50 sks @\$2.25	112.50	
Gel 2 sks. @\$6.75	13.50	
Chloride 4 sks @\$20.00	<u>80.00</u>	\$ 581.00
Handling 125 sks @\$0.90	112.50	
Mileage (32) @\$0.03c per sk per mi	120.00	
Surface	360.00	
Mi @\$1.00 pmp. trk.	32.00	
1 plug	<u>40.00</u>	664.50

If account CURRENT 20% discount will be allowed 0.15 if paid within 30 days from date of invoice.

Total \$ 1,245.50
- 249.10
Total - \$996.40

Cement circ.
RECEIVED
STATE CORPORATION COMMISSION
JUN - 1 1989

THANK YOU

CONSERVATION DIVISION
Wichita, Kansas
All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2% Charged Thereafter.

Surface Pipe - 8 5/8.
OK

Rudy

note Drilling lost.

\$249.10
Discount.

Phone 913-483-2627, Russell, Kc

Phone 316-793-5861, Great Bend, Kansas

15-141-20243-00-00

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

No 4584

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date 3-7-89	Sec. 11	Twp. 10	Range 12W	Called Out	On Location 3/4	Job Start 8:15 PM	Finish 8:35 PM
Lease Segle	Well No. 1	Location Luray S-N of E-N Osborne		County Osborne		State Kansas	

Contractor Duke Drlg	Owner
Type Job Surface	To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.
Hole Size 12 1/4	T.D. 252
Csg. 8 1/2	Depth 251
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg 40-15	Shoe Joint
Press Max.	Minimum
Meas Line	Displace
Perf.	

Charge To Duke Drlg
Street Box 823
City Great Bend State Kansas
The above was done to satisfaction and supervision of owner agent or contractor
Purchase Order No.
X Leonard Williams
CEMENT

RECEIVED
STATE COOPERATION COMMISSION
JUN -1 1989
EQUIPMENT DIVISION
WICHITA, KANSAS

No. 153	Cement	Dave Biel
Pumptrk	Helper	
No. 156	Cement	Scott
Pumptrk	Helper	
Bulktrk	Driver	
Bulktrk	Driver	

Amount Ordered 125.60	40 3% CC 2% gel
Consisting of	
Common 75 Sk @ 5.00	375.00
Poz. Mix 50 Sk @ 2.25	112.50
Gel. 2 Sk @ 6.75	13.50
Chloride 4 Sk @ 20.00	80.00
Quickset	
Sales Tax	

DEPTH of Job	
Reference:	
Pump trk chg	360.00
100 per mile	32.00
8 1/2 wooden plug	40.00
Sub Total	
Tax	
Total	432.00
Remarks: Cement Cir	

Handling @ 90¢ ea	112.50
Mileage 3¢/SK / Mile	120.00
Sub Total	
Total	813.50
Floating Equipment	
Total	432
	124.50

used more SP.

11-10-12 W

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

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31 Russell, Kansas 67665

No. 7886

Date <i>6-21-89</i>	Sec. <i>11</i>	Twp. <i>10</i>	Range <i>12</i>	Called Out <i>6:30 AM</i>	On Location <i>9:00 AM</i>	Job Start <i>11:30 AM</i>	Finish <i>12:30 PM</i>
Lease <i>Single</i>		Well No. <i>#1</i>		Location <i>LURAY 5N34E5E</i>		County <i>OSBORNE</i>	State <i>KANSAS</i>
Contractor <i>Zigler</i>				Owner <i>SAME</i>			
Type Job <i>Circulate Cement Between 5 1/2" x 8 3/4" casing</i>				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.			
Hole Size <i>8 3/8"</i>		T.D. <i>242'</i>		Charge To <i>R. H. S. OIL CO. INC.</i>			
Csg.	Depth			Street			
Tbg. Size	Depth			City _____ State _____			
Drill Pipe	Depth			The above was done to satisfaction and supervision of owner agent or contractor			
Tool	Depth			Purchase Order No.			
Cement Left in Csg.	Shoe Joint			X <i>Handwritten</i>			
Press Max.	Minimum			CEMENT			
Meas Line	Displace			Amount Ordered <i>150 SKS 60/40 POZ 1/2" FLD SEAL PER SACK</i>			
Perf.				Consisting of			
EQUIPMENT				Common _____			
<i>#177</i> No.	Cementer	<i>M KAUFMAN</i>		Poz. Mix _____			
Pumptrk	Helper	<i>Will H.</i>		Gel. _____			
No.	Cementer			Chloride _____			
Pumptrk	Helper			Quickset _____			
<i>#160</i>	Driver	<i>STEVE</i>		Sales Tax _____			
Bulktrk	Driver			Handling _____			
Bulktrk	Driver			Mileage _____			
				Sub Total _____			
				Total _____			
				Heating Equipment _____			
				STATE CORPORATE COMMISSION			
				JUN 27 1989			
				CONSERVATION DIVISION Wichita, Kansas			

Remarks: *circulation 1" Tubing to @ 428'*
Mixed 150 SKS CEMENT CEMENT
circulated to surface

[Handwritten Signature]

TELEPHONE:
AREA CODE 913 488-2627

ALLIED CEMENTING COMPANY, INC. 15-141-20243-00-00
P. O. BOX 31
RUSSELL, KANSAS 67665
1-141-20245-00-00

TO: H & H Production Inc.
P. O. Box 348
Russell, Kansas 67665
competition cash

INVOICE NO. 535820243-00
TICKET NO. _____
LEASE NAME Sigle #1
DATE March 14, 1989

SERVICE AND MATERIALS AS FOLLOWS:

Common 100 sks @\$5.00	\$ 500.00	
Salt 7 sks @\$4.75	33.25	\$ 533.25
Handling 100 sks @\$0.90	90.00	
Mileage (32) @\$0.03c per sk per mi	96.00	
Production string	838.00	
Mi @\$1.00 pmp. trk.	32.00	
1 plug	43.00	1,099.00
1-5 1/2" g. shoe	119.00	
1 AFU	180.00	
3 cent.	132.00	431.00

Total \$ 2,063.25

Float held

-412.65
1650.60

THANK YOU

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2% Charged Thereafter.

OK. Pay.
P. H.

PD 3/31/89
RSB (Cashiers Clk # 87871)

TELEPHONE

AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY INC.

15-141-20243-00-00

P. O. BOX 31

RUSSELL, KANSAS 67665

15-141-20243-00-00

TO: R. H. S. Oil Company, Inc.
Box 348
Russell, Kansas 67665

INVOICE NO. 15-53668-20243-00
TICKET NO.
LEASE NAME Sigle #1
DATE March 29, 1989

SERVICE AND MATERIALS AS FOLLOWS:

Common 150 sks @\$5.00	\$ 750.00	\$ 750.00
Handling 150 sks @\$0.90	135.00	
Mi @\$0.03c per sk per mi. (35)	157.50	
Squeeze	450.00	
Mi @\$1.00 pmp. trk.	35.00	
		777.50
		S. Tax 38.88
		Total \$ 1,566.38

Squeezed to 1500

THANK YOU

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2% Charged Thereafter.

OK - [unclear]
Pd 4-6-89
KSL on [unclear] #1920