

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

S

API NO. 15-185-22,433-0000
County: Stafford
C NE 1/4 SW 1/4 Sec 28 Twp 23S Rge 13W East
1980 Ft North from Southeast Corner of Section
3300 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Operator: License # 5020
Name Rine Exploration Company
Address Suite #645
300 W. Douglas
City/State/Zip Wichita, KS 67202

Lease Name O'Connor Well # 2-28
Field Name N/A
Producing Formation N/A
Elevation: Ground 1895' KB 1900'

Purchaser N/A

Operator Contact Person M. Bradford Rine
Phone 316/262-5418

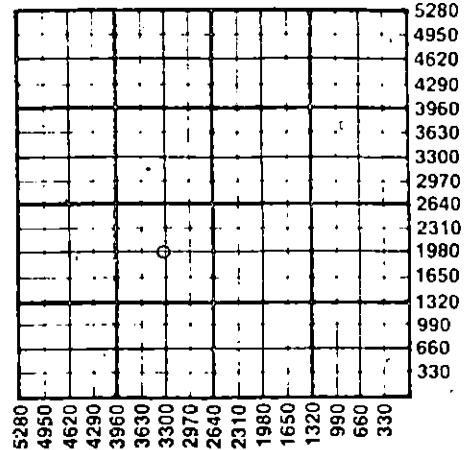
Contractor: License # 5929
Name Duke Drilling Co., Inc.

Wellsite Geologist M. Bradford Rine
Phone 316/262-5418

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

Section Plat



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
Other (explain)
(purchased from city, R.W.D. #)

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

05/11/87 05/21/87 5-21-87
Spud Date Date Reached TD Completion Date
4007'
Total Depth PBTD

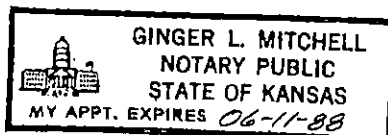
Amount of Surface Pipe Set and Cemented at 402 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from feet depth to w/SX cmt
Cement Company Name
Invoice #

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 M. Bradford Rine
(M. Bradford Rine)
Title President & Geologist Date 06/03/87

Subscribed and sworn to before me this 3rd day of June 1987
Notary Public Ginger Lou Mitchell
(Ginger Lou Mitchell)
Date Commission Expires June 11, 1988



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)
RECEIVED
STATE CORPORATION COMMISSION
JUN 11 1987

Form ACO-1 (5-86) 1987

CONSERVATION DIVISION
Wichita, Kansas

6-8-87

Sec. 28 Twp. 23S Rge. 13W

SIDE TWO

Operator Name Rine Exploration Company Lease Name O'Connor Well # 2-28

Sec. 28 Twp. 23S Rge. 13W East West County Stafford

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

DST #1: 3535'-3560', 45-45-45-60. Weak blow bldg. to fair, steady throughout. Rec. 90' watery mud w/show of oil & gas. IFP 55-55, ISIP 940, FFP 77-77, ISIP 973.

DST #2: 3634'-3650', 30-30-30-30. Weak blow, died in 15 min. Rec. 10' mud with show of oil. IFP 55-55, ISIP 66, FFP 55-55, FSIP 77.

DST #3: 3647'-3716', 45-45-45-60. Weak blow bldg. to strong. Rec. 180' SOGCM-5% oil, 120' SOGCM-10% oil, 120' SOGCM-15% oil, trace of H2O throughout. IFP 110-110, ISIP 1050, FFP 165-199, FSIP 1050.

DST #4: 3810'-3880', 45-45-45-60. Weak blow & steady. Rec. 80' mud. IFP 33-33, ISIP 884, FFP 55-55, FSIP 829.

DST #5: 3908'-3949', 30-30-10-Out. Weak blow, died in 15 min. Rec. 15' mud. IFP 33-33, ISIP 33, FFP 33-33, FSIP 33.

DST #6: 3908'-3963'. Misrun.

DST #7: 3960'-3965', 45-45-45-60. Weak blow & bldg. to strong in 20 min. Rec. 360' sulphur water. IFP 33-88, ISIP 1270, FFP 143-199, FSIP 1271.

Name	Top	Bottom
Anhydrite	777 +1123	777 +1123
Base Anhydrite	802 +1098	
Heebner	3344 -1444	
Brown Line	3484 -1584	3486 -1586
Lansing	3508 -1608	3510 -1610
Base Kansas City	3760 -1860	3764 -1864
Mississippian	3816 -1916	3824 -1924
Viola	3848 -1948	3860 -1960
Simpson	3920 -2020	3923 -2023
Arbuckle	3959 -2059	3963 -1063
RTD	4007 -2107	
LTD		4011 -2111

<p align="center">CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used</p> <p align="center">Report all strings set-conductor, surface, intermediate, production, etc.</p>							
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 1/2"	8 5/8"	24#	402 ft.	60/40 poz	225	2% gel, 3% cc
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input 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	
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

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

DRILLER'S WELL LOG

DATE COMMENCED: May 11, 1987
DATE COMPLETED: May 21, 1987

Rine Exploration Company
O'CONNOR #2-28
C NE SW
Sec. 28, T23S, R13W
Stafford County, Ks.

ELEVATION: 1897 K.B.

0 - 777' Surface Soil, Sand, Shale, Red Bed
777 - 802' Anhydrite
802 - 3344' Shale & Lime
3344 - 3348' Shale
3348 - 3508' Lime & Shale
3508 - 3760' Lime
3760 - 3817' Shale & Lime
3817 - 3848' Chert & Lime
3848 - 3920' Chert
3920 - 3959' Sand
3959 - 4007' Dolomite
4007' RTD

FORMATION DATA

Anhydrite 777'
Heebner 3344'
Br. Lime 3484'
Lansing 3508'
Base K.C. 3760'
Mississippi 3817'
Viola 3848'
Simpson 3920'
Arbuckle 3959'
RTD 4007'

Surface Pipe: Set new
8-5/8" 24# pipe @402'
w/225 sacks 60/40 pozmix
2% gel 3% cc.

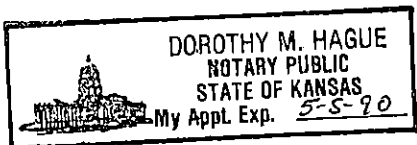
A F F I D A V I T

STATE OF KANSAS
COUNTY OF BARTON) ss

Leonard Williamson of lawful age, does swear and state that the facts
and statements herein are true and correct to the best of his knowledge.

Leonard Williamson

Subscribed and sworn to before me this 26 day of May 1987.



Dorothy M Hague
Notary Public

RECEIVED
STATE CORPORATION COMMISSION

JUN 8 1987

CONSERVATION DIVISION
Wichita, Kansas

THE DUKE DRILLING COMPANY

DAIRY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

5-11

1927 RIG NO. 1

WELL OWNER W. E. ... LEASE ... WELL NO. 2-38
 SECTION 25 TOWNSHIP 33 RANGE 13 COUNTY ... STATE ...
IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
			21 GEL 2 LIME 2 HILLS	LARRY REEVES
				DERRICKMAN ROSS MERRITT
				MOTORMAN BRUCE HROM
				HELPER JIM COBSON
				HELPER

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

CASING RECORD: SIZE, BOTTOMED AT, CEMENT USED, DEFLECTION SURVEY, DEGREES OFF

REMARKS: REG UP

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
0	90		SAND & SLATE	LARRY CURTIS
90	170			DERRICKMAN DAN GOODY
				MOTORMAN FERNAND SERRANO
				HELPER FERNAND SERRANO
				HELPER

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

CASING RECORD: SIZE, BOTTOMED AT, CEMENT USED, DEFLECTION SURVEY, DEGREES OFF

REMARKS: ...

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
170	400		Sand & Shales	CURTIS UHL
				DERRICKMAN Elmer Carris
				MOTORMAN Orvel Dailey
				HELPER
				HELPER

REMARKS: ...

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

CASING RECORD: SIZE, BOTTOMED AT, CEMENT USED, DEFLECTION SURVEY, DEGREES OFF

REMARKS: 3:00 to 4:50 only ... Plug down ... Change Oil & Change Filters Only Mozcos

RECEIVED
 CORPORATION
 JUN 8 1928

THE DUKE DRILLING COMPANY

DAILY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT 5-12 1927 RIG NO. 1
 WELL OWNER RINE EXPLOS-60 LEASE STEMMONS WELL NO. 2-28
 SECTION 28 TOWNSHIP 23 RANGE 13 COUNTY SE STATE KS
IF INJURED, SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
403	777		P BED	GARY REEVES
777	802		SHALE	DERRICKMAN RASS MERRITT
802	1035			MOTORMAN BRUCE HODM
				HELPER JIM DOBSON
				HELPER

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>478</u>	REMARKS: <u>11:00-1:45 W.D.C. GREASE BRAKES-ADJUST</u>				
SIZE <u>5 7/8</u>	<u>ROLLERS-CLEAN OUT PUMP-ROLL UP PIPE-RE PAINT</u>				
MAKE <u>SST</u>	<u>1:45-1:50 PLUG+CEP 1:50-7:00 DRILL</u>				
SERIAL NO. <u>35392</u>					
SERIAL NO. <u>312</u>					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
1245	1605		Shale	L. May Curtis
1605	1905		Shale & lime STR	DERRICKMAN Dan Goudy
				MOTORMAN Frank Soucek
				HELPER Frances Simmons
				HELPER

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>479</u>	REMARKS: <u>7:00-7:15 W.P. 7:15-8:00 DRILL</u>				
SIZE <u>6 3/8</u>					
MAKE <u>SST</u>					
SERIAL NO. <u>35392</u>					
SERIAL NO. <u>874</u>	<u>J-721325 #2 @ 1780</u>				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
1905	2170		Shale & Lime	Curtis Uhl
				DERRICKMAN Elmer Carris
				MOTORMAN Orval Dickey
				HELPER Al. Hughes
				HELPER

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>1</u>	REMARKS: <u>3:00 to 5:25 1 1/2 5:35 to 7:15 Straight Hole</u>				
SIZE <u>7 7/8</u>	<u>Test, Bit 7 7/8 14 ft</u>				
MAKE <u>S-35</u>					
SERIAL NO. <u>25128</u>					
SERIAL NO. <u>470112</u>					
SERIAL NO. <u>114</u>					
SERIAL NO. <u>35</u>					

THE DUKE DRILLING COMPANY

DAY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

5-12 1987 RIG NO. 1

WELL OWNER *PLATE EXPLOR CO*

LEASE *5-23-1987*

WELL NO. *2-28*

SECTION *28* TOWNSHIP *23* RANGE *13* COUNTY *SE*

STATE *KS*

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
<i>2170</i>	<i>2170</i>		<i>L T ME SHALE</i>	<i>GARY REEVES</i>	<i>ROSS MERRITT</i>	<i>BRUCE HADAM</i>	<i>JIM</i>	<i>DORSDALE</i>

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <i>2</i> SIZE <i>7 7/8</i> MAKE <i>S-81</i> SERIAL <i>47010</i> SERIAL NO. <i>104</i>	REMARKS: <i>11:00-11:15 RIG / 11:15-7:00 DRILL</i>				
	<i>JET #1 @ 2249</i>				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
<i>2480</i>	<i>2723</i>		<i>Line & shale</i>	<i>Kenny Curtis</i>	<i>Dan Gandy</i>	<i>Frank Sovereign</i>	<i>Francis Simmons</i>	
			<i>18" Bit 1st hole in pipe</i>					

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <i>2</i> SIZE <i>7 7/8</i> MAKE <i>S-81</i> SERIAL <i>47010</i> SERIAL NO. <i>19</i>	REMARKS: <i>7:20-7:50 RIG / 7:50-3:00 DRILL</i>				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
<i>2725</i>	<i>2725</i>		<i>Line & Shale</i>	<i>Curtis Uhl</i>	<i>Elmer Curtis</i>	<i>Orval Dailly</i>	<i>L. Huchins</i>	
			<i>28" Bit 2" SLASH Hulls</i>					

RECEIVED
STATE CORPORATION COMMISSION
JUN 8 1987

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <i>2</i> SIZE <i>7 7/8</i> MAKE <i>S-86F</i> SERIAL <i>47010</i> SERIAL NO. <i>235</i>	REMARKS: <i>3:00-3:15 RIG / 3:15-3:45 DRILL</i> <i>P 11 AM to 3:30 PM at 4:30 to 9:40 Day</i> <i>Troubles</i>				

CONSERVATION DIVISION
Wichita, Kansas

THE DUKE DRILLING COMPANY.

DAY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

5-11 1981 RIG NO. 1

WELL OWNER *Phillips Petroleum Co.*

LEASE *Temporary*

WELL NO. *2-28*

SECTION *28* TOWNSHIP *23* RANGE *13*

COUNTY *SE*

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	HELPER
				<i>BOB</i>	<i>BOB</i>	<i>BOB</i>	<i>BOB</i>	<i>BOB</i>
					<i>RASS</i>	<i>MERRITT</i>		
						<i>BRUCE</i>	<i>RODM</i>	
						<i>WIM</i>	<i>RODM</i>	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: <i>ADD TOO STRIP CENTER SHAFT DOWN + WAIT 41 MECH - RIG WEAR + CLEAN UP</i>				
SIZE					
MAKE					
SERIAL NO.					
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
<i>2911</i>				<i>Larry Curtis</i>	<i>Oran Gandy</i>	<i>Frank Sovereign</i>	<i>Francis Simmons</i>	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: <i>Help make of new hole Reg</i>				
SIZE					
MAKE					
SERIAL NO.					
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
				<i>Carris Uhl</i>	<i>Elmer Carris</i>	<i>Dwain Dailey</i>	<i>W. Hughes</i>	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: <i>3:00 PM - wait on pump 7:00 To 11:00 AM Repairs</i>				
SIZE					
MAKE					
SERIAL NO.					
SERIAL NO.					

RECEIVED STATE CORPORATION JUN 6 1981

CONSERVATION DIVISION Wichita, Kansas

THE DUKE DRILLING COMPANY.

DAY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

1937 RIG NO. 1

WELL OWNER: THE YATES CO. LEASE: 500 AC.

WELL NO. 7-28

SECTION 28 TOWNSHIP 23 RANGE 13 COUNTY ...

STATE KS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
2916	3114		1 1/2' M.E. SHALE	LARRY REEVES
				DERRICKMAN: ROSS MERRITT
				MOTORMAN: ZRILE NEELY
			11' S.B.E.L.	HELPER: TERRY DOUGLAS
				HELPER:

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u> SIZE <u>7 1/8</u> MAKE <u>S.P.</u> SERIAL NO. <u>17617</u> SERIAL NO. <u>2424</u>	REMARKS: 11:00-1:25 FINISH REPAIRS 1:25-4:25 TRIP IN W/ BIT DRESS THREADS ON D.P. & CULL OUT 2 SPTS W/ 1500 YARDS + WASH + CLEAN 8 SPTS TO BOTTOM 4:25-7:00 DRILL				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
3000	3225		Line of shale	Larry Curtis
				DERRICKMAN: Dan Gandy
				MOTORMAN: Frank Southerland
				HELPER: Frances Simmons
				HELPER:

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u> SIZE <u>7 1/8</u> MAKE <u>S.P.</u> SERIAL NO. <u>17617</u> SERIAL NO. <u>32</u>	REMARKS: 7:00-7:25 TRIP IN 7:25-7:00 DRILL				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
3225	3300		Line of shale	Curtis H.H.
			40 Struck	DERRICKMAN: Edward Coates
			45 Salt mud	MOTORMAN: Royal Doherty
			7 Halls	HELPER: H.L. Hunter
			2 Preservatives	HELPER:

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u> SIZE <u>7 1/8</u> MAKE <u>S.P.</u> SERIAL NO. <u>17617</u> SERIAL NO. <u>370</u>	REMARKS: 3:00 TO 4:15 DRILL 4 TO 7:00 AS Struck up 6:35 9:00-9:15 DRILL 7:00 TO 11:00 DRILL Mud up @ 3300'				

CONSERVATION DIVISION
Wichita, Kansas

REC. STATE CORP. DIV. JUN 8 1937

THE DUKE DRILLING COMPANY

DAIRY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

July 1987 RIG NO. 1

WELL OWNER THE DUKES CO LEASE 5000-11-15

WELL NO. 2-18

SECTION 28 TOWNSHIP 23 RANGE 13 COUNTY 23

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
3560	3590		1" 9E	X L. P.
			1 HULL 20 S. S.

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u> SIZE <u>7 7/8</u> MAKE <u>S-86</u> SERIAL NO. <u>470018</u> SERIAL NO. <u>44</u>	REMARKS: 11:00-11:25 DRILL 11:25-11:40 REAM 11:40-5:05 DRILL 5:25-6:09 CEMENT 3520-6:09-7:00 DRILL				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
3590	3560		Lime	L. P. ...	D. G. ...	F. ...	F. ...
			39 SK SATTG 8 STANK 2 HULLS				
			UST-1 3535-356				

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u> SIZE <u>7 7/8</u> MAKE <u>S-86</u> SERIAL NO. <u>470018</u> SERIAL NO. <u>46</u>	REMARKS: 7:00-7:15 DRILL 7:15-7:57 REAM 7:57-9:00 CEMENT 9:00-9:15 DRILL 9:15-10:20 CEMENT 560-11:00 11:00-11:15 DRILL				
	Vertical stability STAPPERS 98 Long				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
3560	3590		Lime	Curtis ...	Elmer ...	Orval ...	Al ...
			15 Self and 2 Stacks				

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u> SIZE <u>7 7/8</u> MAKE <u>S-86-F</u> SERIAL NO. <u>470113</u> SERIAL NO. <u>470113</u>	REMARKS: 3:00 to 5:00 Dst #1 95 35/45/60 ON Bank ... 7:15 P. ... @ 7:20 pm ... till 9:20 pm 9:20 to 11:00 pm Re-Seal Cover on Compound Didn't Correct Board				

THE DUKE DRILLING COMPANY

GREAT BEND, KANSAS

DA'Y DRILLING RECORD

FOR 24 HOURS ENDING AT MIDNIGHT

5-18 1987 RIG NO. 1

WELL OWNER Amco Lumber Co LEASE Amco Lumber Co WELL NO. 7-28
 SECTION 23 TOWNSHIP 45 RANGE 13 COUNTY SE 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	HELPER
3710			7-1/2"	LARRY BEEVES	PAUL MERRITT	PAUL MERRITT	JOHN SPOFFORD	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u> SIZE <u>7-1/2"</u> MAKE <u>WJA</u> SERIAL NO. <u>6374</u> SERIAL NO.	REMARKS: <u>11:00 7:00 DST #3 3647-3710 TOOL OPEN 11:25</u> <u>WJA FAIR BLD 45-45-45-60</u> <u>45 INCH RESPONSE DRILL LINE 5:15-6:00</u>				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
3710	3810		1-1/2"	LARRY CUNTER	PAUL GARDNER	FRANK SORREIGN	FRANCIS SORREIGN	
			8 SK STEEL					

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u> SIZE <u>7-1/2"</u> MAKE <u>WJA</u> SERIAL NO. <u>6374</u> SERIAL NO.	REMARKS: <u>7:00 - 7:10 CRIB BT 7:10 - 7:00 Dalg</u>				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
3810	3910		Lime	Curtis Hill	Elmer Chris	Orval Dancy	Al H... ..	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u> SIZE <u>7-1/2"</u> MAKE <u>S-S-R</u> SERIAL NO. <u>6374</u> SERIAL NO.	REMARKS: <u>3:00 to 2:00 Dalg 7:56 to 9:00 DFG</u> <u>@ 3990 7:00 pull up from 3990 Dalg</u> <u>pull up test tool</u>				

THE DUKE DRILLING COMPANY

DA Y DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT 5-19 19 37 RIG NO. 1
 WELL OWNER BEAR ENERGY CO LEASE 522 HONS WELL NO. 3-28
 SECTION 28 TOWNSHIP 23 RANGE 13 COUNTY SE 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	HELPER
3880	3885		lime	P. ELLIOTT	BOB MESSITT	PAULIE MOON	ELMER	
12 S. R. L. 1 STARBU			ADJUST ROLLERS & LARGE LINKAGE HUBBEN					

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u> SIZE <u>7 7/8</u> MAKE <u>S-24</u> SERIAL NO. <u>40111</u> SERIAL NO. <u>10534</u>	REMARKS: <u>1:00-5:40 (SET) 3810-3885 (TWO OPENED) 11:53 AM</u> <u>POWER BLD 45-45-45-40 WASH W/TO BOTTOM 5:40</u> <u>with bit bit 5:20-7:00 DRLG</u>				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
3885	3949		lime	LARRY CARTER	DAN GARDY	FRANK SEVERSON	FRANCIS SIMMONS	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u> SIZE <u>7 7/8</u> MAKE <u>S-24</u> SERIAL NO. <u>40111</u> SERIAL NO. <u>9 1/2</u>	REMARKS: <u>7:00-7:15 1/2" Rig 7:15-7:44 Pol 8:44-10:07 Pump</u> <u>Repla. power Rod 10:29-12:45 Pol 12:45-2:07 3939M</u> <u>2:07-3:45 Pol 3:45 @ 3917 from 2:45 to 3944</u>				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
3949			lime	CURTIS M.L.	ELMER CURRIS	ORVAL DAILEY	AL. HUGHES	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u> SIZE <u>7 7/8</u> MAKE <u>S-24-F</u> SERIAL NO. <u>40111</u> SERIAL NO. <u>692</u>	REMARKS: <u>3:00 to 3:15 CES @ 3949 4:00 to 6:45 Bank</u> <u>pick up tool on bank Tool on bank @ 9:00 am - BIT ON BOTTOM @</u> <u>10:45 am 10:45-11:00 BIT ON</u>				

3:45-10:45 DST.45

THE DUKE DRILLING COMPANY

DALEY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

5-20 19-87 RIG NO. 1

WELL OWNER PINE EXPLOR. CO

LEASE STEMMONS

WELL NO. 2-28

SECTION 28 TOWNSHIP 23 RANGE 13

COUNTY SF

STATE KS

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INSURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
3949	3963		LIME	GARY REEVES	ROSS MERRITT	BRUCE KROM	MATT FENN
			16 S. GEL 2 HULLS				

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u> SIZE <u>7 7/8</u> MAKE <u>S-86</u> SERIAL <u>470618</u> SERIAL NO. <u>7034</u>	REMARKS: 11:00-12:03 C.T. Cut 12:03-1:08 DRILL 1:08-2:38 C.F.S. 3963 2:38-7:00 DST #6 3908-3963 TOOL OPEN @ 5:33 W/ A WEAK BLD TOOL DRIF 5:33-7:00				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
3963	3965		Arb	LARRY CURTIS	DAN GOWDY	FRANK SUTHERLAND	FRANK SIMMONS
			155 K's 51/2" touch				
			0.126 3908-3963				

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>2</u> SIZE <u>7 7/8</u> MAKE <u>S-86</u> SERIAL <u>470618</u> SERIAL NO. <u>7055</u>	REMARKS: 7:50-11:50 DST #6 11:50-1:19 C.T. 1:19-1:27 Only 1:27-3:00 C.F. @ 3965				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
3965				CURTIS UHL	ELMER CARRIS	ORVEL DAILEY	AL. HUGHES

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. SIZE MAKE SERIAL NO. SERIAL NO.	REMARKS: 3:00 to 4:45 Bank for DST #7 Tool open @ 6:05 pm 45/45/45/60 Out of Hole @ 11:00 pm				

THE DUKE DRILLING COMPANY

DAVEY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

5-21 1927 RIG NO. 1

WELL OWNER RINE EXPLOR CO. LEASE O'CONNOR

WELL NO. 2-28

SECTION 28 TOWNSHIP 23 RANGE 13 COUNTY SF

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	HELPER
3965	4007		ARB	GARY REEVES	ROSS MERRITT	BRUCE RAMM	MATT FENN	
			2 HILLS 15 S.GEL					

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>S-86</u> SERIAL <u>491618</u> SERIAL NO. <u>73</u>	REMARKS: 11:00-12:10 DST #7 12:10-1:10 C.T.C.H. 1:10-3:23 DRILL 3:23-4:54 C.F.S. @ 4007 4:54-6:22 TRIP OUT 4/106 6:22-9:11 W.B. LOGGERS <u>CLEAN CELLAR</u>				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
4007				LARRY CURTIS	DAN BRADY	FRANK SOUTHERN	FRANCIS SIMMONS	

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>S-86</u> SERIAL NO. SERIAL NO.	REMARKS: 7:00-8:45 Logging on loggers waiting on tool 8:45-10:45 Logging 10:45-3:00 waiting on orders				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	COMMISSION	MOTORMAN	HELPER	HELPER
Plugging order by Dodge C. T. Plugs @ 800 w/ 50 S.A. and The 4 Drill pipe " @ 430 w/ 40 S.A. and The 4 Drill pipe " @ 40' w/ 10 S.A. Cement 15 S.A. in MAT Hole Started plug hole @ 7:50 Hole plugged @ 9:25				Curtis Uhl	Elmer Carris	Orvel Dailey	Ali Hughes		
			STATE CORPORATION JUN 8 1927 Wichita, Kan.						

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. SIZE MAKE SERIAL NO. SERIAL NO.	REMARKS: 3:00 to 4:45 waiting on orders 4:45 to 6:00 Start plugging @ hole @ 7:50 pm Plugged Hole - Rathole @ water well, jet pits				

THE DUKE DRILLING COMPANY

GREAT BEND, KANSAS

DAILY DRILLING RECORD

FOR 24 HOURS ENDING AT MIDNIGHT

5-22 1987 RIG NO. 1

WELL OWNER RENE EXPLOR. CO LEASE O'CONNOR

WELL NO. 2-28

SECTION 28 TOWNSHIP 23 RANGE 10 COUNTY SF

STATE KS

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
				GARY REEVES
				X ROSS MERRITT
				MOTORMAN BRUCE KROM
				HELPER MAT FENN
				HELPER

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: 11:00-1:00 TEAR DOWN - WORK ON RIG + WAIT ON TRUCKS				
SIZE					
MAKE					
SERIAL NO.					
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER

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

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER

RECEIVED
STATE CORPORATION COMMISSION
JUN 8 1987
CONSERVATION DIVISION
Wichita, Kansas

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