

COPY SIDE ONE

RECEIVED
KCC DISTRICT #2
MAY 29 1991

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

API NO. 155-155-21,149-0000

County Reno WICHITA, KS

S/2 SE/4 SE/4 Sec. 1 Twp. 26 Rge. 6W East West

330 Ft. North from Southeast Corner of Section

330 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Horsch-Krehbiel Well # 1

Field Name ALBION NORTH

Producing Formation Misener

Elevation: Ground 1512 KB 1517

Total Depth 4028 PBDT

Operator: License # 5330

Name: EXCALIBUR PRODUCTION CO. INC.

Address 1016 N. Main, P.O. Box 278

City/State/Zip McPherson KS 67460

Purchaser: KOCH OIL COMPANY

Operator Contact Person: Charles D. Johnson

Phone (316) 241-1265

Contractor: Name: Tornado Drilling, Inc.

License: 3890

Wellsite Geologist: Clemens P. Brauer

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD Temp. Abandonment
- Gas Inj Delayed Comp.
- Dry Other (Core, Water Supply, etc.)

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STATE CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas

If OWO: old well info as follows:

Operator: _____

Well Name: _____

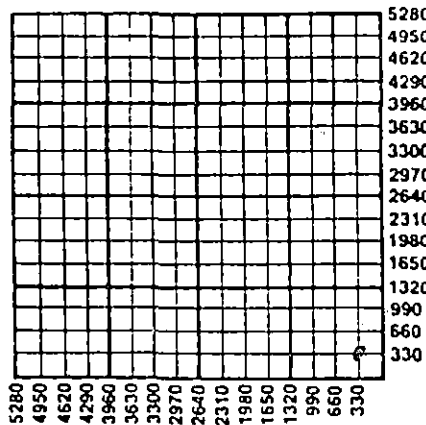
Comp. Date _____ Old Total Depth _____

Drilling Method:

- Mud Rotary Air Rotary Cable

11/14/90 11/25/90 4/2/91

Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 237 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Charles D. Johnson

Title President Date 4/25/91

Subscribed and sworn to before me this 25th day of April, 19 91.

Notary Public Juanita M. Flood

Date Commission Expires 5/27/92

JUANITA M. FLOOD
Notary Public
My Appt. Exp. 5/27/92

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) 2

SIDE TWO

Operator Name EXCALIBUR PRODUCTION CO. INC Lease Name HORSCH-KREHBIEL Well # 1

Sec. 1 Twp. 26 Rge. 6 East West County Reno

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.

<p>Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.)</p> <p>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)</p>	<p style="text-align: center;">Formation Description</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Bottom</th> </tr> </thead> <tbody> <tr> <td>Lansing-K.C.</td> <td>2901</td> <td>3332</td> </tr> <tr> <td>Mississippian</td> <td>3600</td> <td>3802</td> </tr> <tr> <td>Misener</td> <td>3956</td> <td>3996</td> </tr> </tbody> </table>	Name	Top	Bottom	Lansing-K.C.	2901	3332	Mississippian	3600	3802	Misener	3956	3996
Name	Top	Bottom											
Lansing-K.C.	2901	3332											
Mississippian	3600	3802											
Misener	3956	3996											

CASING RECORD <input type="checkbox"/> New <input 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	20#	237	Pozmix 8	180	
Production	7 7/8	5 1/2	15#	4029	common 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	3989-90			none			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
	Size	Set At	Packer At				
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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	12		250		40°		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval _____

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(816) 792-6902

COPY

Date 11-21-1990 Location SE-SE-SE 2-26-6^W Elevation 1517 H.B. County RENO

Company Excalibur Production & Bison Energy Corporation Number of Copies 5

Charts Mailed to P.O. Box 278 Mr. Pherson Kansas 67460

Drilling Contractor Tornado Drilling Inc.

Length Drill Pipe 3577 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X H.

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars NONE I.D. Drill Collars NONE Tool Joint Size NONE

Top Packer Depth 3596 Bottom Packer Depth 3601 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3601 TO 3607 ANCHOR LENGTH 6 TOTAL DEPTH 3607 Hole Size 7 7/8'

LEASE & WELL NO. Horsch-Kiebbiel #1 FORMATION TESTED Mississippi TEST NO. 1

Mud Weight 9.5 Viscosity 45 Water Loss 16.9 Chlorides - Pits 6700 D.S.T. 37000

Maximum Temp. 114 °F Initial Hydrostatic Pressure (A) 1798 P.S.I. Final Hydrostatic Pressure (H) 1790 P.S.I.

Tool Open I.F.P. from 2:30 A m to 3:00 A m 30 min

Tool Closed I.C.I.P. from 3:00 A m to 4:00 A m 60 min

Tool Open F.F.P. from 4:00 A m to 5:00 A m 60 min

Tool Closed F.C.I.P. from 5:00 A m to 6:30 A m 90 min

from [B] <u>14</u> P.S.I. to [C] <u>7</u> P.S.I.
[D] <u>1195</u> P.S.I.
from [E] <u>29</u> P.S.I. to [F] <u>14</u> P.S.I.
[G] <u>1188</u> P.S.I.

Initial Blow Fair blow - built to the bottom of a 5 Gallon Bucket in 7 minutes

Final Blow Good blow - built to the bottom of a 5 Gallon Bucket in 1 minute

Total Feet Recovered 60 Gravity of Oil _____ Corrected

60 Feet of Oil cut muddy water 15% Gas 20% Oil 20% Mud 45% Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Remarks 1st bump 993 2nd Bump 1152

Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 906 Clock No. 47441 Depth 35.92 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13861 Clock No. 47442 Depth 3604 Insurance NONE

Price of Job _____

Tool Operator Seabudig

Approved By _____

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, of for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

No 11583

RECEIVED
STATE CORPORATION COMMISSION

APR 29 1991

CONSERVATION DIVISION
Wichita, Kansas

Superior Testers Enterprises, Inc.

R.R. 3, Box 2958, Great Bend, Kansas 67530
(316) 792-6902

Date 11-23-1990 Location SE-SE-SE 2-26-64^W Elevation 1517 H.B. County RENO
 Company Excelsior Production & Service Energy Corporation Number of Copes 5
 Charts Mailed to P.O. Box 278 McPherson, Kansas 67460
 Drilling Contractor TORNADO Drilling Inc.
 Length Drill Pipe 3941 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" E.H.
 Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE
 Length Drill Collars NONE I.D. Drill Collars NONE Tool Joint Size NONE
 Top Packer Depth 3955 Bottom Packer Depth 3960 Number of Packers 2 Packer Size 6 3/4"
 TESTED FROM 3960 TO 3976 ANCHOR LENGTH 16 TOTAL DEPTH 3976 Hole Size 7 7/8"
 LEASE & WELL NO. Horsch-Krehniel #1 FORMATION TESTED MISER SAND TEST NO. 2
 Mud Weight 9.5 Viscosity 40 Water Loss 18.4 Chlorides - Pits 12000 D.S.T. _____
 Maximum Temp. 117 °F Initial Hydrostatic Pressure (A) 2049 P.S.I. Final Hydrostatic Pressure (H) 2020 P.S.I.

Tool Open I.F.P. from 12:30 A.M. to 1:00 A.M. 30 min
 Tool Closed I.C.I.P. from 1:00 A.M. to 2:00 A.M. 60 min
 Tool Open F.F.P. from 2:00 A.M. to 2:15 A.M. 15 min
 Tool Closed F.C.I.P. from NONE m to TAKEN m 0 min
 Initial Blow VERY WEAK blow for 10 minutes & DIED
 Final Blow NONE TAKEN on blow - Flushed Tool - no help

from [B]	<u>29</u>	P.S.I. to [C]	<u>14</u>	P.S.I.
[D]	<u>14</u>			P.S.I.
from [E]	<u>14</u>	P.S.I. to [F]	<u>14</u>	P.S.I.
[G]	<u>NONE TAKEN</u>			P.S.I.

Total Feet Recovered 30 Gravity of Oil _____ Corrects _____
30 Feet of MUD NO SHOWS OF OIL OR GAS % Gas _____ % Oil _____ % Mud _____ % Water _____
 _____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____
 _____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____
 _____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____
 _____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____
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 _____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____
 _____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Remarks _____
 Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE
 Top Recorder No. 906 Clock No. 47441 Depth 3970 Ctr. Sub NONE Sampler NONE
 Bottom Recorder No. 13561 Clock No. 47442 Depth 3973 Insurance NONE

Price of Job _____
 Tool Operator Gene Budig
 Approved By _____
NO 11584

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to property or personnel of the one for whom a test is made, or for any loss suffered sustained, directly or indirectly, through the use of its equipment, or its statement opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

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 CONSERVATION DIVISION
 Wichita, Kansas

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530
(316) 792-6902

Date 11-23-1990 Location SE-SE-SE 2-26-6^W Elevation 1517 KB County RENO
 Company Excelsior Production Edison Energy Corporation Number of Copies 5
 Charts Mailed to P.O. Box 278 McPherson Kansas 67460
 Drilling Contractor Tornado Drilling Inc.
 Length Drill Pipe 3949 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" F.H.
 Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE
 Length Drill Collars NONE I.D. Drill Collars NONE Tool Joint Size NONE
 Top Packer Depth 3963 Bottom Packer Depth 3968 Number of Packers 2 Packer Size 6 3/4"
 TESTED FROM 3968 TO 3989 ANCHOR LENGTH 21 TOTAL DEPTH 3989 Hole Size 7 7/8"
 LEASE & WELL NO. Horsch-Krebbiel #1 FORMATION TESTED MISSOURI SAND TEST NO. 3
 Mud Weight 9.31 Viscosity 41 Water Loss 18.4 Chlorides - Pills 16600 D.S.T. 32000
 Maximum Temp. 129 °F Initial Hydrostatic Pressure (A) 2113 P.S.I. Final Hydrostatic Pressure (H) 2092 P.S.I.

Tool Open I.F.P. from 2:30 p.m. to 3:00 p.m. 30 min
 Tool Closed I.C.I.P. from 3:00 p.m. to 4:00 p.m. 60 min
 Tool Open F.F.P. from 4:00 p.m. to 5:00 p.m. 60 min
 Tool Closed F.C.I.P. from 5:00 p.m. to 6:30 p.m. 90 min
 Initial Blow Good blow - Bottom of the bucket in 2 minutes
 Final Blow Good blow - Bottom of the bucket in 2 minutes

from [B] 94 P.S.I. to [C] 485 P.S.I.
 [D] 1410 P.S.I.
 from [E] 558 P.S.I. to [F] 993 P.S.I.
 [G] 1410 P.S.I.

Total Feet Recovered 1850 Gravity of Oil 36 Correct

<u>825</u> Feet of <u>Gas in the Pipe</u>	%	Gas	%	Oil	%	Mud	%	Wal
<u>440</u> Feet of <u>CLEAN Gassy Oil</u>		<u>40</u>		<u>60</u>				
<u>120</u> Feet of <u>Water cut Gassy Oil</u>		<u>49</u>		<u>20</u>		<u>6</u>		<u>25</u>
<u>60</u> Feet of <u>Water cut Gassy Oil</u>		<u>53</u>		<u>18</u>		<u>4</u>		<u>25</u>
<u>120</u> Feet of <u>Slightly muddy water with a trace of oil</u>				<u>LESS THAN 1</u>		<u>3</u>		<u>97</u>
<u>110</u> Feet of <u>Water</u>								
Feet of _____								
Feet of _____								
Feet of _____								

Remarks 298' oil 266' gas 16%

Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE
 Top Recorder No. 906 Clock No. 47441 Depth 3983 Cir. Sub NONE Sampler NONE
 Bottom Recorder No. 13561 Clock No. 47442 Depth 3986 Insurance NONE

Price of Job _____
 Tool Operator Steve Bradley
 Approved By _____
 NE 11585

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