

This form shall be filed in duplicate with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within ten days after the completion of the well, regardless of how the well was completed.

Attach separate letter of request if the information is to be held confidential. If confidential, only file one copy. Information on side one will be of public record and side two will then be held confidential.

Circle one: Oil, Gas, Dry, SWD, OWHO, Injection. Type and complete ALL sections. Applications must be filed for dual completion, commingling, SWD and injection, T.A.

Attach wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.). KCC # (316) 263-3238. (Rules 82-2-105 & 82-2-125)

OPERATOR Powderhorn Petroleum, Inc.

API NO. 15 - 191 - 21, 502-A (re-entry)

ADDRESS 910 - 16th St., Suite 1100  
Denver, Colorado 80202

COUNTY Sumner  
FIELD \_\_\_\_\_

\*\*CONTACT PERSON J.R. Murdoch  
PHONE 303/573-6700

PROD. FORMATION Mississippi  
LEASE Kolarik

PURCHASER National Cooperative Refinery Association  
ADDRESS P. O. Box 1167  
McPherson, Kansas 67460

WELL NO. #1  
WELL LOCATION \_\_\_\_\_  
1980 Ft. from S Line and  
600 Ft. from W Line of  
the SW $\frac{1}{4}$  SEC. 16 TWP. 34S RGE. 4W

DRILLING Hayes Well Service  
CONTRACTOR  
ADDRESS P. O. Box 108  
Attica, Kansas 67009

WELL PLAT

PLUGGING  
CONTRACTOR  
ADDRESS \_\_\_\_\_


KCC  
KGS:   
(Office Use)

RECEIVED  
STATE CORPORATION COMMISSION  
MAR 26 1984  
CONSERVATION DIVISION  
Wichita, Kansas

TOTAL DEPTH 4,880 PBDT 4,847

SPUD DATE 7/12/83 DATE COMPLETED 9/23/83

ELEV: GR \_\_\_\_\_ DF \_\_\_\_\_ KB 1245

DRILLED WITH (CABLE) (ROTARY) (AIR) TOOLS

Amount of surface pipe set and cemented 298' DV Tool Used? \_\_\_\_\_

A F F I D A V I T

STATE OF Colorado, COUNTY OF Denver SS, I, J. R.

Murdoch OF LAWFUL AGE, BEING FIRST DULY SWORN UPON HIS OATH,

DEPOSES THAT HE IS President (FOR)(OF) Powderhorn Petroleum, Inc.

OPERATOR OF THE Kolarik LEASE, AND IS DULY AUTHORIZED TO MAKE

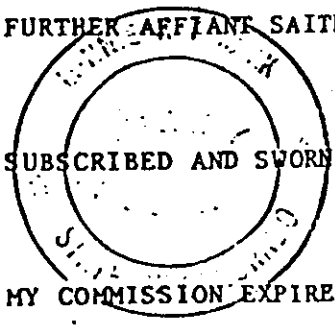
THIS AFFIDAVIT FOR AND ON THE BEHALF OF SAID OPERATOR, THAT WELL NO. #1 ON

SAID LEASE HAS BEEN COMPLETED AS OF THE 23rd DAY OF September, 1983, AND THAT

ALL INFORMATION ENTERED HEREIN WITH RESPECT TO SAID WELL IS TRUE AND CORRECT.

FURTHER AFFIANT SAITH NOT.

SUBSCRIBED AND SWORN BEFORE ME THIS 23rd DAY OF September, 1983.



(S) [Signature]  
Lonnie Kay Isaak  
NOTARY PUBLIC  
910 - 16th St., Denver, Colorado

MY COMMISSION EXPIRES: June 5, 1985

\*\*The person who can be reached by phone regarding any questions concerning this information. Within 45 days of completion, a witnessed initial test by the Commission is required if the well produces more than 25 BOPD or is located in a Basic Order Pool.

Show all important zones of porosity and contents the used intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool of flowing and shut-in pressures, and recoveries.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Shale	0	880'	* Hebner	3040 (-1796)
Shale and Lime	880'	1193'	Stalnaker	3414 (-2170)
Lime and Shale	1193'	2520'	Kansas City	3974 (-2730)
Shale and Lime	2520'	2720'	Mississippian	4413 (-3169)
Lime and Shale	2720'	4531'	Simpson	4835 (-3591)
Lime	4531'	4735'		
Lime and Shale	4735'	4880'		
R.T.D.	4880'			

\* DST #1 4570-4600 Hookwall test 30-60-60-120  
 First Open - strong blow, decreasing to Fair  
 Second Open - Fair blow throughout  
 Recovered 105 Drlg mud., 120' watery mud, 705' muddy water  
 1HP 2235, 1FP 307, 1S1P 2175, FFP 319-99, FSIP 2145  
 Final Hydrostatic Head 2225 psi, Temp. 116°

Report of all strings set - surface, intermediate, production, etc. CASING RECORD (New) or (Used)

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Socks	Type and percent additives
Surface	12 1/4"	8-5/8	24#	296	Class A	250	3% CC
Prod.	7-7/8"	4-1/2"		4842	Poz.	225	10% salt 3/4% CFR-2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Socks cement	Shots per ft.	Size & type	Depth interval
			4	1/2"	4526-40

TUBING RECORD		
Size	Setting depth	Packer set at
2"	4367	NA

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1500 gallons 15% MOD-202 acid	4526 - 40
75,400 fresh water, 18850# sand	4526 - 40

Date of first production 8/22/83	Producing method (flowing, pumping, gas lift, etc.) pumping	Gravity 40.2
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RATE OF PRODUCTION FOR 24 HOURS	OH 19	Gas bbls.	Water % 168	Gas-oil ratio bbls.	CIPB
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Disposition of gas (vented, used on lease or sold)	Perforations 4526 - 4540
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**SIDE TWO**

**WELL LOG**

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Shale	0	880'		
Shale and Lime	880'	1193'		
Lime and Shale	1193'	2520'		
Shale and Lime	2520'	2720'		
Lime and Shale	2720'	4531'		
Lime	4531'	4735'		
Lime and Shale	4735'	4880'		
R.T.D.	4880'			

**RELEASED**  
**OCT 12 1984**  
**FROM CONFIDENTIAL**

**Report of all strings set — surface, intermediate, production, etc. CASING RECORD (New) or (Used)**

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/4"	8-5/8	24#	296	Class A	250	3% CC
Prod.	7-7/8"	4-1/2"		4842	Poz.	225	10% salt 3/4% CFR-2

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	1/2"	4526-40

**TUBING RECORD**

Size	Setting depth	Packer set at
2"	4367	NA

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated
1500 gallons 15% MOD-202 acid	4526 - 40
75,400 fresh water, 18850# sand	4526 - 40

Date of first production 8/22/83	Producing method (flowing, pumping, gas lift, etc.) pumping	Gravity 40.2
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<b>RATE OF PRODUCTION PER 24 HOURS</b>	Oil 19 bbls.	Gas MCF	Water % 168 bbls.	Gas-oil ratio CFPB
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Disposition of gas (vented, used on lease or sold)	Perforations 4526 - 4540
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