

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, OWWO, 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 Beartooth Oil & Gas Company

API NO. 15-167-21,870

ADDRESS P.O. Box 2564

COUNTY Russell

Billings, Montana 59103

FIELD \_\_\_\_\_

\*\*CONTACT PERSON \_\_\_\_\_

PROD. FORMATION Lansing Kansas City

PHONE \_\_\_\_\_

LEASE BAXTER

PURCHASER The Permian Corporation

WELL NO. 1

ADDRESS Suite 233, 9810 E. 42nd St.

WELL LOCATION NW SE SE

Tulsa, Oklahoma 74145

990 Ft. from South Line and

DRILLING Allen Drilling Company

990 Ft. from East Line of

CONTRACTOR \_\_\_\_\_

ADDRESS P.O. Box 1389

the SE 1/4 SEC. 33 TWP. 14S RGE. 15W

Great Bend, KS. 67530

WELL PLAT

PLUGGING Allen Drilling Company

CONTRACTOR \_\_\_\_\_

ADDRESS P.O. Box 1389

Great Bend, KS 67530

			o

KCC   
KGS   
(Office Use)

TOTAL DEPTH 3415' PBTD \_\_\_\_\_

SPUD DATE 2/23/82 DATE COMPLETED 3/4/82

ELEV: GR 1886 DF \_\_\_\_\_ KB 1890

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

Amount of surface pipe set and cemented 301' DV Tool Used? \_\_\_\_\_

A F F I D A V I T

STATE OF KANSAS, COUNTY OF BARTON SS, I, \_\_\_\_\_

Robert D. Ballantyne OF LAWFUL AGE, BEING FIRST DULY SWORN UPON HIS OATH,

DEPOSES THAT HE IS Drilling Supervisor (FOR)(OF) BEARTOOTH OIL & GAS COMPANY

OPERATOR OF THE Baxter 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 2nd DAY OF April, 1982, AND THAT

ALL INFORMATION ENTERED HEREIN IS TRUE AND CORRECT.

FURTHER AFFIANT SAITH NOT.

JUL 11 1983

CONSERVATION DIVISION  
Wichita, Kansas

(S) Robert D Ballantyne

SUBSCRIBED AND SWORN BEFORE ME THIS 22nd DAY OF April, 1982.

STATE OF KANSAS

Grace E Brown

NOTARY PUBLIC

MY COMMISSION EXPIRES: May 1, 1984

CONSERVATION DIVISION  
\*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 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
SEE ATTACHED GEOLOGICAL REPORT				

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"	20#	301'	common	250	2% gel, 3% cc
production	7-7/8"	4-1/2"	10#	3414'	50/50 poz	200	2% gel, 10% salt .75 of 1% CFR2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			1		3182'
			1		3134
TUBING RECORD			4		3132-36
Size	Setting depth	Packer set at	4		3180-84
2-3/8"	3199'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
2000 gallons 15% HCl	3132-36 & 3180-84

Date of first production 4/2/82	Producing method (flowing, pumping, gas lift, etc.) pumping	Gravity 34° API
RATE OF PRODUCTION PER 24 HOURS	Oil 8 bbls.	Gas 27 bbls.
Disposition of gas (vented, used on lease or sold)		Water 78 %
		Gas-oil ratio TSTM.: : CFPP
		Perforations 3132-36 & 3180-84

GEOLOGICAL REPORT

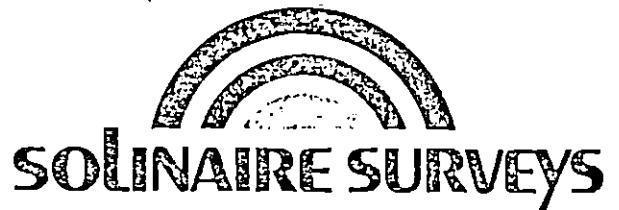
Beartooth Oil & Gas Company  
Baxter #1  
C-SE-SE  
33-14S-15W  
Russell County, Kansas

CHRIS DILTS  
WICHITA, KANSAS

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CONSERVATION DIVISION  
Wichita, Kansas



Beartooth Oil & Gas Co.  
305 Petroleum Building  
Billings, Montana 59101

Re: Beartooth Oil & Gas Co.  
Baxter #1  
C-SE-SE 33-14S-15W  
Russell County, Kansas

Gentlemen:

Submitted herewith is the geological report concerning the above captioned test. Data pertinent to the operation are tabulated below.

Spud: February 23, 1982	Rotary Complete: March 3, 1982
Contractor: Allen Drilling Co.	Tool Pusher: Greg Davidson
Surface Pipe: 8 5/8 @ 301'	Samples: 2300 - RTD
Production Pipe: 4 1/2 @ 3414'	Cores: None
Drill Time: 2300 - RTD	Log: Welex G-GRD w/SWN CAVL
DST: Western Testing (5)	Gas Detector: None
Mud: Mud-Co	Mud Up: 2800' Starch

Geological formation tops as picked from the samples and corrected to the open hole survey follow. All measurements are from the rotary bushing elevation.

Elevations: 1890 RB 1886 GL

Tarkio Limestone	2575 - 685
Elmont	2628 - 738
Howard	2768 - 878
Topeka	2827 - 937
Queen Hill	2967 -1077
Heebner	3052 -1162
Toronto	3070 -1180
Lansing	3106 -1216
Base Kansas City	3312 -1422
Arbuckle	3364 -1474
RTD/LTD	3415/3416

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Zones of interest were encountered at the following depths and evaluated as indicated.

2992 - 2996 Topeka - Limestone, cream, fine crystalline, fossiliferous, fair fossilcast porosity, fair show free oil with fair odor and fluorescence. This zone should be considered for perforation prior to abandonment.

DST #1 2979 - 3065

Op 30 Si 60 Op 30 Si 60

IHP 1588  
IFP 57-57  
ICIP 1011  
FFP 68-68  
FCIP 977  
FHP 1576

REC: 50' Mud with specks of oil on top of tool

3074 - 3078 Toronto - Limestone, cream, fine crystalline, with sparse vugular porosity. Sparse show free oil with weak odor and fluorescence. With cream chalky limestone.

DST #2 3051 - 3085

Op 30 Si 60 Op 30 Si 60

IHP 1610  
IFP 57-57  
ICIP 149  
FFP 57-57  
FCIP 68  
FHP 1599            TEMP: 100° F

REC: 10' Mud

3108 - 3116 Lansing "A" Zone - Limestone, cream, fine crystalline, fossiliferous in part, sparse fossilcast porosity. Very spotty show free oil in a few pieces, weak odor and fluorescence. Chalky in part.

Electric log calculates:

3108 - 3110 6% neutron porosity, 79% water saturation.  
3112 - 3116 5.5 to 7% neutron porosity, 58 to 57% water saturation.

3132 - 3138 Lansing "B" Zone - Limestone, cream, fine crystalline, fossiliferous. Good fossilcast and vugular porosity. Fair show free oil, fair odor, good fluorescence, good sample cut.

Electric log calculates:

3132 - 3134 18% neutron porosity, 46% water saturation.  
3134 - 3136 16% neutron porosity, 38% water saturation.  
3136 - 3138 7% neutron porosity, 68% water saturation.

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DST #3 3107 - 3137

Op 30 Si 60 Op 30 Si 60

IHP 1633  
IFP 137-183  
ICIP 887  
FFP 240-267  
FCIP 864  
FHP 1622 TEMP: 102°F

REC: GTS on Final Shut In

140' O & GCM  
40' SO & GCM  
360' HO & GCM  
180' SMC GSY O

720' Total Fluid

3180 - 3184 Lansing "E/F" Zone - Limestone, cream - tan, fine crystalline, fossiliferous, oolitic in part, fair to good fossilcast porosity with sparse oolitic porosity. Good show free oil, fair to good odor and fluorescence. Electric log calculates:

3180 - 3182 8.5% neutron porosity, 41% water saturation.

3182 - 3184 7% neutron porosity, 58% water saturation.

DST #4 3165 - 3194

Op 30 Si 60 Op 60 Si 90

IHP 1644  
IFP 68-68  
ICIP 458  
FFP 80-80  
FCIP 435  
FHP 1633 TEMP: 104°F

REC: 160' GIP  
70' OCM  
10' SOCMW

240' Total Fluid

3200 - 3208 Lansing "G" Zone - Limestone, cream, fine crystalline, with good oolitic porosity. Chalky in part. This zone was totally barren of show. Electric log calculates:

3200 - 3208 13 to 14% neutron porosity with 5 to 7% acoustic velocity porosity;  
22 to 30% water saturation.

This zone does not merit further evaluation.

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3250 - 3256 Lansing "H" Zone - Limestone, cream, fine crystalline, oolitic, fossiliferous in part, with sparse fossilcast and oolitic porosity. Very spotty show free oil in a few pieces, weak odor and fluorescence.

Electric log calculates:

3250 - 3256 8 to 10% neutron porosity, 44 to 55% water saturation.

This zone does not merit further evaluation.

3272 - 3274 Lansing "I" Zone - Limestone, cream, fine crystalline, fossiliferous in part, sparse fossilcast porosity, spotty show free oil, weak odor and fluorescence. With abundant white chalky limestone.

Electric log calculates:

3272 - 3274 8% neutron porosity, 73% water saturation.

3296 - 3300 Lansing "J" Zone - Limestone, cream, fine crystalline, good oolitic porosity. Fair show free oil, good odor and fluorescence. 50% barren porosity.

Electric log calculates:

3296 - 3298 14% neutron porosity, 28% water saturation.

3298 - 3300 13% neutron porosity, 36% water saturation.

DST #5 3284 - 3303

Op 30 Si 60 Op 30 Si 60

IHP 1735

IFP 57-57

ICIP 126

FFP 57-57

FCIP 91

FHP 1723 TEMP: 106°F

REC: 20' Mud

3348 - 3350 Conglomerate - Chert, tan to red, vitreous, few pieces tan chert tripolitic in part with good pitted porosity. Fair show free oil with fair odor, good fluorescence, good sample cut.

Electric log calculates:

3348 - 3350 16.5% neutron porosity, 46% water saturation.

This zone was not drill stem tested. It should be perforated prior to abandonment of this well.

3376 - 3384 Arbuckle Dolomite - Dolomite, cream - tan, fine crystalline, sucrosic in part, fair intercrystalline porosity. Fair show free oil in few pieces with gilsonite, weak odor.

Electric log calculates:

3376 - 3384 11% neutron porosity, 90 to 97% water saturation.

The Arbuckle Dolomite does not merit further evaluation.

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Structural Position:

	Beartooth Baxter #1 SE SE <u>33-14S-15W</u>	Imperial Baxter #1 SW NW SE <u>33-14S-15W</u>	Imperial Baxter A #3 150' W-C SW SE <u>33-14S-15W</u>
Topeka	- 937	- 939	- 943
Heebner	-1162	-1163	-1166
Toronto	-1180	-1183	-1184
Lansing	-1216	-1219	-1221
Base Kansas City	-1422	-1421	-1423
Arbuckle	-1474	-1476	-1475

Recommendations:

Production casing was set on the Beartooth Oil & Gas Company Baxter #1, to a depth of 3414.

Respectfully submitted,



Chris Dilts

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