

# ASPEN DRILLING CO.

Broadway at Morton  
Phone (316) 792-2469

P. O. Box 783  
Great Bend, Kansas 67530

## DRILLING & COMPLETION REPORT

RIG NO. \_\_\_\_\_

WELL NAME: BAUMANN #1  
LOCATION: C NW SE Sec. 32  
T23S-R15W  
Pawnee County, Kansas  
Contractor: H-30 Drilling Co. (Wichita, Ks.)

Elevations  
GL 2027  
DF 2029  
KB 2032  
RTD

OIL PRODUCER

5-30-73 Moved in & rigged up Rig #11. Drilled 12 1/4" hole to 269', ran 6 jts. 8 5/8" 20# surface casing, set at 269' with 200 sacks cement 3% gel. Plug down at 5:15 PM, 5/30/73.

5-31-73 Drilled plug at 1:15 AM, 5/31/73.  
7:00 AM, drilling at 970'.

6-1-73 7:00 AM, depth 1975'. Started diamond coring at 7:00 AM. (coring at 2003')  
Mud Vis. 35, Wt. 9.8, WL 4.6

6-2-73 7:00 AM, cored to 2027'. Recovered 52', reamed hole.  
DST #1, 1977-2027. Initial open 60", final open 60"; Initial shut in 60", final shut in 60".  
*1981-2031* Good blow throughout test. No evident gas. Recovered 185' drilling mud.  
IBHP 123#  
FBHP 345#  
IFP 26-35#  
FFP 35-53#

DRILLING CONTRACTOR

6-3-73 7:00 AM, coring at 2040'.

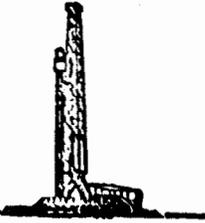
6-4-73 7:00 AM. Cored to 2070', recovered 43'. Reamed hole & drilled to 2088'.  
*2032-2092*  
DST #2, 2028-2088'. Initial open 60", final open 60", initial shut in 60", final shut in 60". Good blow throughout test. No evident gas. Recovered 125' drilling mud.

IBHP 289#  
FBHP 411#  
IFP 61-90#  
FFP 70-87#

*2068-2128*  
6-5-73 DST #3, 2065-2125'. Initial open 60", final open 120", initial shut in 60", final shut in 120". Open first period with fair blow decreasing to dead in 20 min. Open second time with weak blow increasing to fair blow throughout test. No evident gas. Recovered 120' drilling mud.

IBHP 113#  
FBHP 621#  
IFP 43-52#  
FFP 52-70#





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page 2

Welex ran Gamma Guard, Density and Acoustic logs.

6-6-73 Ran 68 jts. (2126.29') used 5 1/2" casing, set at 2124' with 150 sacks 50/50 Pozmix salt saturated, with 10# Gilsonite per sack, spearheaded with 10 bbl. mud flush.  
Plug down at 1:00 AM, 6-6-73 and held.

COMPLETION

6-20-73 Moved in Chase Well Service double drum unit.  
Welex ran Gamma Collar and Cement Bond Logs.  
Perforated Winfield 2056 to 2064 with 3 SPF, electric log measurements.  
Slight show of gas natural.  
Ran Baker Tension Packer on 2 3/8" tubing. Positioned tail pipe at 2060', Packer at 2029'.

6-21-73 75# casing pressure. 300' fluid in well - gassy water.

Dowell acidized with 500 gal. Gas-Well acid with 500 cu. ft. CO<sub>2</sub>/bbl.  
Blew well back, gauged 240,000 cfd.

Re-acidized with 4500 gal. Gas-Well acid w/750 cu. ft. CO<sub>2</sub>.  
Blew well all night.

6-22-73 Well stable at 260,000 cu. ft. /day -- trace of fluid.  
Killed Winfield zone. Perforated Krider 2002-2012. Ran packer and retrievable bridge plug. Good show of gas natural. TSTM.

Dowell acidized with 500 gal. gas-well acid with 500 cf CO<sub>2</sub>/Bbl.  
Blew well back -- gauged 458,000 cfd.

6-23-73 Blew well overnight. Gauged 517,000 cfd this AM.

Dowell re-acidized with 5500 gal. gas-well acid with 750 cf CO<sub>2</sub>/bbl.  
Blew well back - gauged 1,450,000 cfd. Installed choke to test overnight.

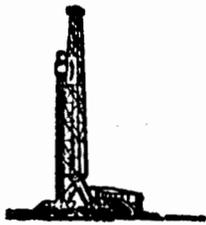
6-24-73 18 hr. flow test. Well stable at 584,000 cfd with 425# flowing tubing pressure.

25-73 17 hr. shut in tubing pressure 550#.

OIL PRODUCER

DRILLING CONTRACTOR





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OIL PRODUCER

DRILLING CONTRACTOR

- 6-25-73      Continued.....  
Killed well with 42 bbls. treated water. Tripped tubing and packers to surface. Ran 66 jts. 2 3/8" EUE tubing and seating nipple, set at 1967'.  
  
Swabbed back to pit. 7:30 PM, casing pressure 470#, tubing pressure 490#.
- 6-26-73      8:00 AM, casing pressure 520#, tubing pressure 520#. Blew well 2 hrs.  
  
2:00 PM, casing pressure 560#, tubing pressure 520#.
- 6-27-73      Installed and hooked up gas separator.
- 6-28-73      Casing pressure 570#, tubing pressure 540#. Start 24 hour test.  
Vent 517,000 cfd.
- 6-29-73      Casing pressure 480#, tubing pressure 425#, vent 417,000 cfd.  
Shut in for 4 point test.
- 7-2-73        NNG ran 4 point test. Absolute open flow 1,650,000 cfd. Well head potential 1,100,000 cfd.
- 7-3-73        One point test: 800,000 cfd. Gas sample: BTU 930. Shut well in.
- 7-13-73      Casing pressure 580#, tubing pressure 520#.  
  
Waiting on Pipeline Connection.



FOR: ASPEN DRILLING COMPANY  
PAWNEE COUNTY, KANSAS

Dowell Division of Dow Chemical

SUBMITTED BY: PETE MILLER  
GREAT BEND, KANSAS

DATE: JUNE 18, 1973

TYPE OF SAMPLE:

LAB LOCATION:

CORES

OKLAHOMA CITY

LAB NO. 5696

BAUMANN NO. 1, SECTION 32-23S-15W

INFORMATION REQUESTED:

THE CORE SAMPLES WERE SUBMITTED TO THE LABORATORY FOR ANALYSIS.

SOLUBILITY TESTS

THE SOLUBILITY OF THE SAMPLES WAS DETERMINED BY A GRAVIMETRIC METHOD.  
IN THIS PROCEDURE THE MAXIMUM AMOUNT OF SOLUBLE MATERIAL PRESENT IN THE  
SAMPLE WAS FOUND.

SAMPLE DEPTH (FEET)	FORMATION	PERCENT SOLUBLE IN AQL
1978 - 79	HERRINGTON	78.6
1983 - 84	HERRINGTON	64.7
1985 - 86	HERRINGTON	62.5
2002 - 03	KRIDER	97.3
2007 - 08	KRIDER	98.7
2054 - 55	WINFIELD	92.5
2056 - 57	WINFIELD	95.2
2058 - 59	WINFIELD	97.0

X-RAY DIFFRACTION

THE FOLLOWING COMPOUNDS WERE IDENTIFIED BY X-RAY DIFFRACTION. THE  
AMOUNT OF EACH COMPOUND WAS ESTIMATED AND FOUND TO BE:

WELL DEPTH (FEET)	FORMATION	MAJOR (25-100%)	MINOR (10-30%)	LOW (LESS THAN 1%)
1978 - 79	HERRINGTON	DOLOMITE	QUARTZ	KAOLINITE, ILLITE, ANHYDRITE, FELDSPARS
1983 - 84	HERRINGTON	DOLOMITE	QUARTZ	KAOLINITE, ILLITE, ANHYDRITE, FELDSPARS
1985 - 86	HERRINGTON	DOLOMITE	QUARTZ	KAOLINITE, ILLITE, ANHYDRITE, FELDSPARS

2002 - 03	KRIDER	DOLomite	ANHYDRITE	QUARTZ
2007 - 08	KRIDER	DOLomite	CALCITE	QUARTZ
2054 - 55	WINFIELD	CALCITE	ANHYDRITE	DOLomite, QUARTZ
2056 - 57	WINFIELD	CALCITE	NONE	ANHYDRITE, QUARTZ DOLomite
2058 - 59	WINFIELD	CALCITE	NONE	ANHYDRITE, QUARTZ, DOLomite

**SPECTROGRAPHIC ANALYSIS**

THE FOLLOWING ELEMENTS WERE IDENTIFIED BY OPTICAL SPECTROGRAPHIC ANALYSIS. THE CONCENTRATION OF EACH ELEMENT WAS ESTIMATED AND FOUND TO BE:

SAMPLE DEPTH (FEET)	FORMATION	MAJOR (10-100%)	MINOR (1-10%)	HIGH TRACE (LESS THAN 1%)
1978 - 79	HERRINGTON	SILICON, CALCIUM, MAGNESIUM	IRON SODIUM	ALUMINUM
1983 - 84	HERRINGTON	SILICON CALCIUM MAGNESIUM	IRON SODIUM	ALUMINUM
1985 - 86	HERRINGTON	CALCIUM SILICON MAGNESIUM	IRON SODIUM	ALUMINUM
2002 - 03	KRIDER	CALCIUM MAGNESIUM	SODIUM	IRON, SILICON
2007 - 08	KRIDER	CALCIUM	MAGNESIUM SODIUM	IRON, SILICON
2054 - 55	WINFIELD	CALCIUM	MAGNESIUM SODIUM	IRON, SILICON
2056 - 57	WINFIELD	CALCIUM	MAGNESIUM SODIUM	IRON, SILICON
2058 - 59	WINFIELD	CALCIUM	MAGNESIUM SODIUM	IRON, SILICON

M. L. BISHOP

PW

CC: KEN JEHLIK, OKLAHOMA CITY  
TULSA LAB FILE