



ANALYTICAL LABORATORY, INC.

424 Greenwood • Wichita, Kansas 67211 • (316) 269-4200

EXTENDED NATURAL GAS ANALYSIS

COMPANY NAME: **Bartleson Oil, Inc.**

Lab #: **341110**

Sample I.D.: **Welshaar 4-G, DST #1**

SETT#: **n/a**

COUNTY: **n/a**

LEGAL LOCATION: **TD 2981-3007**

DATE SAMPLED: **6/3/03**

SAMPLER: **Ricketts Testing**

SAMPLE PRESSURE: **n/a**

TEMPERATURE (F): **n/a**

DATE ANALYZED: **6/9/03**

QUALITY CONTROL DATE: **6/9/03**

ANALYSIS

CALCULATED AT 14,660 PSIA, 80 F, NORMALIZED

COMPONENT	MOLE %	BTU AMOUNT	GPM
METHANE	85.8	861.85	
ETHANE	4.9	86.44	1.3
PROPANE	2.67	64.46	0.7
ISOBUTANE	0.41	13.29	0.13
NORMAL BUTANE	0.8	29.27	0.28
ISOPENTANE	0.29	11.57	0.11
NORMAL PENTANE	0.3	11.89	0.11
HEXANES+	0.92	46.46	0.4
NITROGEN	3.81		
OXYGEN	0		
CARBON DIOXIDE	0.15		
HELIUM	0.15		
HYDROGEN	0	0	
TOTALS	100	1125.3	3.03

BTU/FT³ DRY (IDEAL GROSS): 1125.3
 BTU/FT³ SATURATED (IDEAL GROSS): 1106.52

BTU/FT³ DRY (REAL GROSS): 1128.5
 BTU/FT³ SATURATED (REAL GROSS): 1109.6

SPECIFIC GRAVITY: 0.6737
 COMPRESSIBILITY: 0.9972
 GPM: 3.03

RESPECTFULLY SUBMITTED
Philip J. Finkbeiner
 PRIORITY ANALYTICAL LAB

Hexanes+ parameters: BTU (dry) - 5065.8; S.G. - 3.1785; Summation factor - .0861, at 14,660 psia.
 Analyzed and calculated by: Modified GPA 2261-90, 2145-94 & 2172-90.

Company: BK METALS

Address:

Wellname:

Legal: Sec: Twp: Rge:

Formation: STALNAKER Field/Pool: County: St: KS.

Casing size: Feet of: Wt: Meter run size: 2078 SI: 1110

Tubing Size: Feet of: Wt: Orif (in): .875 95% 1055

TD: Plugged back depth: Packer depth: 2975 90% 999

Type Test: STATE 4-Point / Tap Type: Gravity: 85% 944

Type Completion: ~~PRODUCING~~ OPEN HOLE Producing through: TUBING 80% 888

Date	Clk Tim	Tbg Pres	Csg Pres	Diff	Temp	Static/Prover	Wat Vol1	Oil Vol	Comment
mm/dd	clock	psi	psi	in of H2O	F	PSIA	inch	inch	
06/30	1245	1110	N/A	0	82.5	33	0	0	START TEST
	1300	1076	"	3.1	83	42			
	1315	1074	"	3.3	83	43			
	1330	1073		4.9	84	43.3			
	1345	1065		7.6	86	43.7			1 ST POINT
	1400	1056		14.0	88	44.3			
	1415	1038		19.4	91	45.			
	1430	1016		38.	94	46.4			
	1445	1001		49.5	96	47.4	0	0	2 ND POINT
	1500	989		58.8	97	48.5			1000 1000
	1515	983		61.6	97	49.3			
	1530	968		77.2	96	50.7			
	1545	947		81.5	96	51.2			3 RD POINT
	1600	939		100.4	96	53.1			
	1615	921		117	96	55.			
	1630	901		130	96	55.8			
	1645	892		132	95	56.6			4 TH POINT
07/01	1600	910		32.8	100	76			24 HR POINT G.P.

Date	Miles	Name	Date	Miles	Name	Date	Miles	Name
06/30	170	Cooney						
07/01	0	Cooney						

PERF / OPEN HOLE FROM 3004-3007