



**CONFIDENTIAL**

OIL & GAS CONSERVATION DIVISION

**WELL COMPLETION FORM**

**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

OPERATOR: License # 33168  
 Name: Woolsey Operating Company, LLC  
 Address 1: 125 N MARKET STE 1000  
 Address 2: \_\_\_\_\_  
 City: WICHITA State: KS Zip: 67202 + 1729  
 Contact Person: DEAN PATTISSON  
 Phone: ( 316 ) 267-4379  
 CONTRACTOR: License # 33132  
 Name: Dan D Drilling  
 Wellsite Geologist: CURTIS COVEY  
 Purchaser: PLAINS MARKETING / BLUESTEM GAS MARKETING

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SIOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>10/16/2011</u>	<u>11/02/2011</u>	<u>11/30/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-007-23787-01-00

Spot Description: \_\_\_\_\_  
NW NE NE NE Sec. 11 Twp. 34 S. R. 11  East  West  
250 Feet from  North /  South Line of Section  
425 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Barber

Lease Name: TUCKER B Well #: 5 H

Field Name: ROUNDUP SOUTH

Producing Formation: MISSISSIPPIAN

Elevation: Ground: 1400 Kelly Bushing: 1416

Total Depth: 8869 Plug Back Total Depth: 8869

Amount of Surface Pipe Set and Cemented at: 271 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.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: 3000 ppm Fluid volume: 2500 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

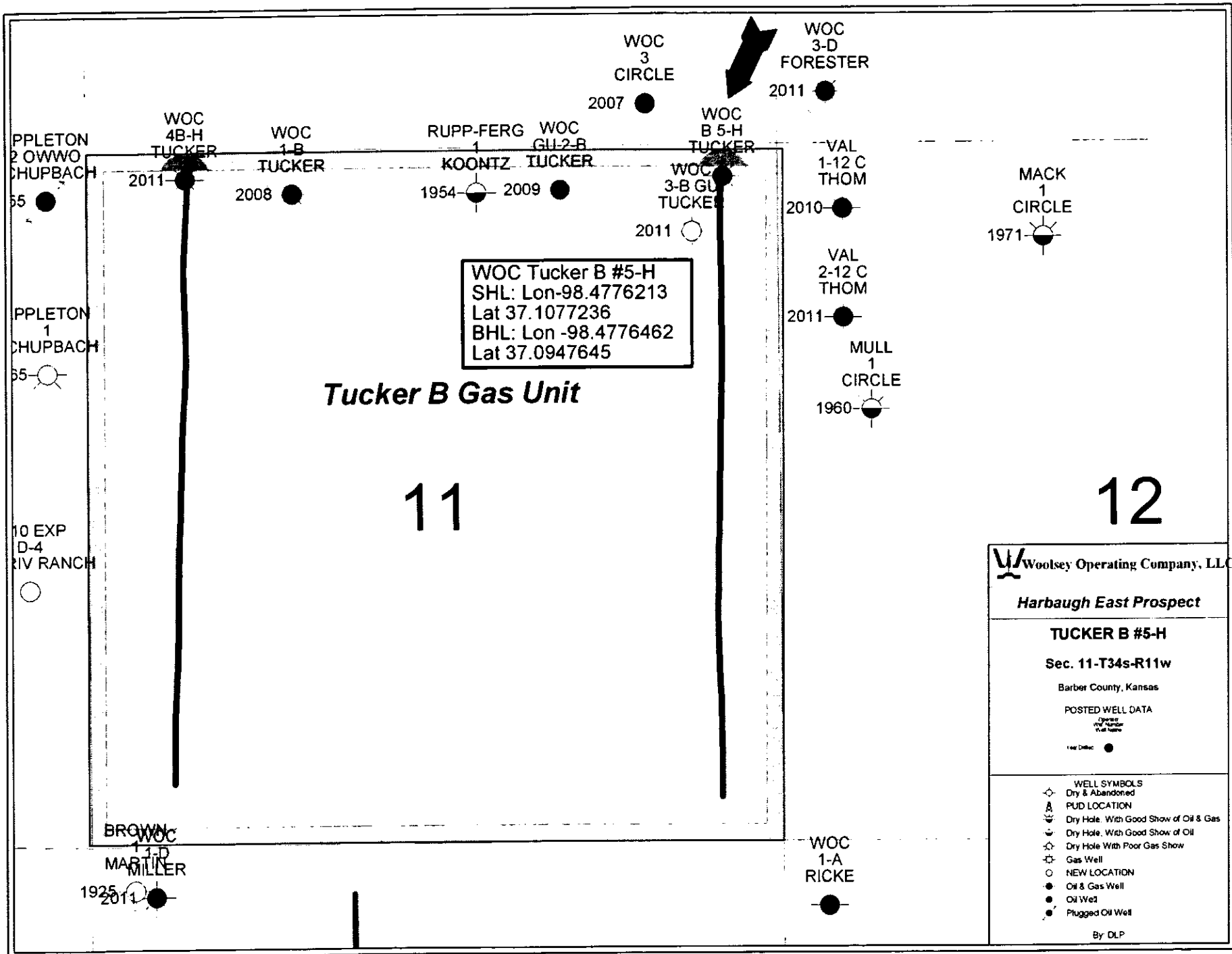
**AFFIDAVIT**

I am the affiant and I hereby certify that 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.

Submitted Electronically

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
 Date: 02/13/2012
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: NAOMI JAMES Date: 02/16/2012



PPLETON  
2 OWWO  
CHUPBACH  
55

PPLETON  
1  
CHUPBACH  
55

10 EXP  
D-4  
RIV RANCH

BROWN  
1-D  
MILLER  
1925  
2011

WOC  
4B-H  
TUCKER  
2011

WOC  
1-B  
TUCKER  
2008

RUPP-FERG  
1  
KOONTZ  
1954

WOC  
GU-2-B  
TUCKER  
2009

WOC  
3  
CIRCLE  
2007

WOC  
B 5-H  
TUCKER  
2011

WOC  
3-D  
FORESTER  
2011

VAL  
1-12 C  
THOM  
2010

VAL  
2-12 C  
THOM  
2011

MULL  
1  
CIRCLE  
1960

MACK  
1  
CIRCLE  
1971

WOC  
1-A  
RICKE

**WOOLSEY OPERATING COMPANY, LLC**  
 125 North Market, Suite 1000, Wichita, Kansas 67202  
 Phone: 316-267-4379 Fax 316-267-4383

**TUCKER B-5 H**  
 Harbaugh East Prospect  
 Survey: 250' FNL, 425' FEL  
 Apx W2 E2 NE NE Section 11-34-11W  
 Barber County, Kansas

API: 15-007-23787-01-00  
 Spud: 10/16/2011  
 Elev: 1400' GL 1416' KB  
 Field: Schubach  
 Acctg code: KDWT12

**DRILLING REPORT**

**Deviation surveys:** Please refer to Pan American report below

**Pan American Drilling Services**

Reference : TRUENORTH      KB Elevation : 15      Gr Elevation : 1400.00  
 Vertical Section Calculated Along Azimuth 180.48°

MD ft	Inc deg	Azi deg	TVD ft	North ft	East ft	V'Sect ft	D'Leg %/100	Build %/100	Turn %/100
3620.00	0.60	314.70	3619.94	4.92	-9.85	-4.84	0.00	0.00	0.00
3649.00	0.50	303.40	3648.94	5.10	-10.06	-5.01	0.51	-0.34	-38.97
3681.00	0.40	281.60	3680.93	5.20	-10.29	-5.11	0.61	-0.31	-68.12
3712.00	1.80	193.60	3711.93	4.74	-10.51	-4.66	5.90	4.52	-283.87
3744.00	5.30	189.80	3743.86	2.80	-10.88	-2.71	10.96	10.94	-11.87
3775.00	8.40	188.80	3774.64	-0.85	-11.47	0.95	10.01	10.00	-3.23
3806.00	11.00	188.80	3805.19	-6.01	-12.27	6.11	8.39	8.39	0.00
3838.00	13.00	188.90	3836.49	-12.59	-13.29	12.70	6.25	6.25	0.31
3870.00	14.80	185.80	3867.55	-20.21	-14.26	20.33	6.09	5.62	-9.69
3900.00	17.10	182.90	3896.40	-28.43	-14.87	28.55	8.11	7.67	-9.67
3931.00	19.50	178.80	3925.83	-38.15	-14.99	38.28	8.78	7.74	-13.23
3963.00	21.60	178.10	3955.79	-49.38	-14.69	49.50	6.61	6.56	-2.19
3995.00	22.90	180.60	3985.41	-61.49	-14.56	61.61	5.02	4.06	7.81
4026.00	24.90	183.80	4013.75	-74.04	-15.05	74.16	7.69	6.45	10.32
4058.00	27.10	185.40	4042.51	-88.02	-16.18	88.15	7.22	6.87	5.00
4089.00	29.10	184.60	4069.85	-102.56	-17.45	102.71	6.56	6.45	-2.58
4121.00	31.50	183.30	4097.48	-118.67	-18.56	118.82	7.77	7.50	-4.06
4153.00	34.30	182.60	4124.35	-136.03	-19.45	136.18	8.83	8.75	-2.19
4184.00	37.00	181.30	4149.53	-154.08	-20.06	154.24	9.05	8.71	-4.19
4215.00	39.90	180.80	4173.81	-173.35	-20.41	173.52	9.41	9.35	-1.61
4246.00	43.50	179.80	4196.95	-193.97	-20.51	194.14	11.81	11.61	-3.23
4278.00	47.30	178.60	4219.42	-216.75	-20.18	216.91	12.17	11.88	-3.75
4310.00	50.90	179.10	4240.37	-240.93	-19.70	241.08	11.31	11.25	1.56
4341.00	53.30	179.80	4259.41	-265.38	-19.47	265.54	7.94	7.74	2.26
4372.00	55.50	180.10	4277.45	-290.59	-19.45	290.74	7.14	7.10	0.97
4404.00	58.20	180.10	4294.95	-317.38	-19.49	317.53	8.44	8.44	0.00
4436.00	60.40	179.90	4311.29	-344.89	-19.49	345.04	6.90	6.87	-0.62
4468.00	62.30	179.90	4326.63	-372.97	-19.44	373.12	5.94	5.94	0.00
4499.00	64.80	179.40	4340.43	-400.72	-19.27	400.87	8.19	8.06	-1.61
4531.00	67.10	179.40	4353.47	-429.94	-18.97	430.09	7.19	7.19	0.00
4562.00	67.40	179.90	4365.46	-458.53	-18.79	458.67	1.77	0.97	1.61
4594.00	69.40	178.60	4377.24	-488.28	-18.40	488.42	7.30	6.25	-4.06
4626.00	69.70	178.80	4388.42	-518.25	-17.72	518.38	1.11	0.94	0.63
4658.00	69.40	178.80	4399.60	-548.23	-17.09	548.35	0.94	-0.94	0.00
4690.00	68.90	178.60	4410.99	-578.13	-16.41	578.24	1.67	-1.56	-0.63
4721.00	69.50	178.80	4422.00	-607.10	-15.76	607.21	2.03	1.94	0.65
4752.00	68.70	178.60	4433.06	-636.05	-15.10	636.16	2.65	-2.58	-0.65
4784.00	68.20	178.80	4444.81	-665.81	-14.42	665.90	1.67	-1.56	0.63
4816.00	68.80	179.10	4456.54	-695.58	-13.88	695.67	2.07	1.88	0.94
4847.00	68.60	178.80	4467.80	-724.45	-13.35	724.54	1.11	-0.65	-0.97
4879.00	68.30	178.60	4479.56	-754.21	-12.68	754.29	1.10	-0.94	-0.63
4911.00	68.30	178.80	4491.39	-783.93	-12.00	784.01	0.58	0.00	0.63
4941.00	67.90	179.10	4502.58	-811.76	-11.49	811.83	1.62	-1.33	1.00
4973.00	67.70	179.30	4514.67	-841.39	-11.08	841.45	0.85	-0.63	0.63

**WOOLSEY OPERATING COMPANY, LLC**  
 125 North Market, Suite 1000, Wichita, Kansas 67202  
 Phone: 316-267-4379 Fax 316-267-4383

**TUCKER B-5 H**  
 Harbaugh East Prospect  
 Survey: 250' FNL, 425' FEL  
 Apx W2 E2 NE NE Section 11-34-11W  
 Barber County, Kansas

API: 15-007-23787-01-00  
 Spud: 10/16/2011  
 Elev: 1400' GL 1416' KB  
 Field: Schubach  
 Acctg code: KDWT12

**DRILLING REPORT**

5005.00	68.10	179.90	4526.71	-871.04	-10.87	871.10	2.14	1.25	1.88
5037.00	68.80	180.60	4538.46	-900.80	-11.00	900.86	2.99	2.19	2.19
5068.00	68.30	180.60	4549.80	-929.65	-11.30	929.71	1.61	-1.61	0.00
5100.00	69.10	180.30	4561.42	-959.46	-11.54	959.53	2.65	2.50	-0.94
5132.00	71.30	180.40	4572.26	-989.57	-11.72	989.63	6.88	6.88	0.31
5163.00	73.10	180.60	4581.74	-1019.08	-11.98	1019.15	5.84	5.81	0.65
5208.00	73.60	180.60	4594.63	-1062.19	-12.43	1062.26	1.11	1.11	0.00
5240.00	75.70	179.80	4603.10	-1093.05	-12.54	1093.12	6.99	6.56	-2.50
5271.00	79.40	178.30	4609.78	-1123.31	-12.03	1123.37	12.84	11.94	-4.84
5302.00	82.00	178.10	4614.79	-1153.88	-11.07	1153.94	8.41	8.39	-0.65
5334.00	86.10	178.10	4618.11	-1185.69	-10.02	1185.73	12.81	12.81	0.00
5366.00	89.30	179.30	4619.39	-1217.65	-9.29	1217.68	10.68	10.00	3.75
5397.00	90.10	179.30	4619.56	-1248.65	-8.91	1248.68	2.58	2.58	0.00
5429.00	91.20	178.90	4619.19	-1280.64	-8.41	1280.67	3.66	3.44	-1.25
5460.00	92.10	178.80	4618.30	-1311.62	-7.79	1311.64	2.92	2.90	-0.32
5492.00	91.90	179.80	4617.18	-1343.60	-7.40	1343.61	3.19	-0.63	3.12
5524.00	92.30	180.30	4616.01	-1375.58	-7.42	1375.59	2.00	1.25	1.56
5555.00	92.40	181.30	4614.74	-1406.55	-7.86	1406.56	3.24	0.32	3.23
5587.00	92.50	181.40	4613.37	-1438.51	-8.61	1438.53	0.44	0.31	0.31
5619.00	91.70	181.30	4612.20	-1470.48	-9.36	1470.50	2.52	-2.50	-0.31
5651.00	90.30	181.30	4611.64	-1502.46	-10.09	1502.50	4.38	-4.38	0.00
5683.00	89.90	181.30	4611.59	-1534.46	-10.82	1534.49	1.25	-1.25	0.00
5715.00	89.80	181.80	4611.67	-1566.44	-11.68	1566.49	1.59	-0.31	1.56
5746.00	89.60	181.80	4611.83	-1597.43	-12.65	1597.48	0.65	-0.65	0.00
5778.00	89.30	181.90	4612.14	-1629.41	-13.69	1629.47	0.99	-0.94	0.31
5810.00	89.80	181.80	4612.39	-1661.39	-14.72	1661.46	1.59	1.56	-0.31
5841.00	90.20	181.80	4612.39	-1692.38	-15.69	1692.45	1.29	1.29	0.00
5873.00	90.20	181.60	4612.28	-1724.36	-16.64	1724.44	0.62	0.00	-0.63
5904.00	90.50	181.60	4612.09	-1755.35	-17.51	1755.43	0.97	0.97	0.00
5936.00	91.20	181.30	4611.61	-1787.34	-18.32	1787.43	2.38	2.19	-0.94
5968.00	90.70	181.10	4611.08	-1819.32	-18.99	1819.42	1.68	-1.56	-0.63
6000.00	89.20	180.80	4611.11	-1851.32	-19.52	1851.42	4.78	-4.69	-0.94
6031.00	89.00	180.80	4611.60	-1882.31	-19.95	1882.41	0.65	-0.65	0.00
6063.00	88.40	180.80	4612.32	-1914.30	-20.40	1914.40	1.88	-1.88	0.00
6095.00	88.40	181.10	4613.22	-1946.28	-20.93	1946.39	0.94	0.00	0.94
6127.00	88.30	181.10	4614.14	-1978.26	-21.54	1978.38	0.31	-0.31	0.00
6159.00	89.40	180.80	4614.78	-2010.25	-22.07	2010.37	3.56	3.44	-0.94
6191.00	90.80	180.30	4614.73	-2042.25	-22.38	2042.37	4.65	4.38	-1.56
6222.00	89.80	180.30	4614.56	-2073.25	-22.54	2073.37	3.23	-3.23	0.00
6254.00	88.90	180.10	4614.93	-2105.25	-22.66	2105.36	2.88	-2.81	-0.63
6286.00	89.20	181.10	4615.46	-2137.24	-22.99	2137.36	3.26	0.94	3.13
6318.00	88.80	181.10	4616.02	-2169.23	-23.60	2169.35	1.25	-1.25	0.00
6349.00	89.70	181.40	4616.42	-2200.22	-24.28	2200.35	3.06	2.90	0.97
6381.00	90.70	182.10	4616.31	-2232.20	-25.26	2232.34	3.81	3.12	2.19
6413.00	90.60	181.90	4615.95	-2264.18	-26.37	2264.32	0.70	-0.31	-0.63
6444.00	88.80	182.10	4616.11	-2295.16	-27.46	2295.31	5.84	-5.81	0.65
6476.00	87.50	181.30	4617.14	-2327.13	-28.41	2327.29	4.77	-4.06	-2.50
6507.00	87.60	181.10	4618.47	-2358.09	-29.05	2358.26	0.72	0.32	-0.65
6539.00	87.80	180.60	4619.75	-2390.06	-29.53	2390.23	1.68	0.63	-1.56
6570.00	89.40	180.30	4620.51	-2421.05	-29.77	2421.22	5.25	5.16	-0.97
6602.00	89.30	180.10	4620.87	-2453.05	-29.88	2453.22	0.70	-0.31	-0.63

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6634.00	89.80	180.30	4621.12	-2485.05	-30.00	2485.21	1.68	1.56	0.63
6665.00	89.50	180.30	4621.31	-2516.05	-30.16	2516.21	0.97	-0.97	0.00
6697.00	89.30	180.10	4621.65	-2548.05	-30.27	2548.21	0.88	-0.63	-0.63
6729.00	89.10	180.10	4622.09	-2580.04	-30.32	2580.21	0.62	-0.63	0.00
6761.00	88.40	180.80	4622.79	-2612.03	-30.58	2612.20	3.09	-2.19	2.19
6792.00	88.20	181.10	4623.71	-2643.02	-31.09	2643.18	1.16	-0.65	0.97
6824.00	88.60	181.40	4624.61	-2675.00	-31.79	2675.17	1.56	1.25	0.94
6856.00	89.20	182.10	4625.22	-2706.98	-32.76	2707.16	2.88	1.87	2.19
6888.00	90.00	181.60	4625.44	-2738.96	-33.80	2739.14	2.95	2.50	-1.56
6919.00	90.00	181.30	4625.44	-2769.95	-34.58	2770.14	0.97	0.00	-0.97
6951.00	90.20	181.60	4625.39	-2801.94	-35.39	2802.14	1.13	0.63	0.94
6983.00	89.70	181.60	4625.42	-2833.92	-36.29	2834.13	1.56	-1.56	0.00
7015.00	89.10	180.80	4625.75	-2865.92	-36.96	2866.12	3.12	-1.88	-2.50
7046.00	88.70	180.30	4626.35	-2896.91	-37.25	2897.12	2.07	-1.29	-1.61
7078.00	88.50	180.10	4627.13	-2928.90	-37.36	2929.11	0.88	-0.63	-0.63
7110.00	89.00	180.10	4627.83	-2960.89	-37.42	2961.10	1.56	1.56	0.00
7142.00	89.10	180.10	4628.36	-2992.89	-37.48	2993.10	0.31	0.31	0.00
7173.00	88.30	180.10	4629.06	-3023.88	-37.53	3024.09	2.58	-2.58	0.00
7205.00	87.80	179.80	4630.15	-3055.86	-37.50	3056.07	1.82	-1.56	-0.94
7237.00	87.60	180.30	4631.43	-3087.83	-37.53	3088.04	1.68	-0.63	1.56
7269.00	88.10	180.90	4632.63	-3119.81	-37.87	3120.02	2.44	1.56	1.88
7301.00	89.00	181.40	4633.44	-3151.79	-38.51	3152.00	3.22	2.81	1.56
7332.00	91.00	182.10	4633.44	-3182.78	-39.45	3182.99	6.84	6.45	2.26
7364.00	92.20	182.60	4632.55	-3214.74	-40.77	3214.96	4.06	3.75	1.56
7396.00	92.20	181.60	4631.32	-3246.69	-41.94	3246.93	3.12	0.00	-3.13
7428.00	91.60	180.60	4630.26	-3278.67	-42.55	3278.91	3.64	-1.88	-3.12
7459.00	91.60	179.80	4629.39	-3309.65	-42.66	3309.89	2.58	0.00	-2.58
7491.00	91.40	179.60	4628.56	-3341.64	-42.49	3341.88	0.88	-0.63	-0.63
7522.00	91.90	179.30	4627.66	-3372.63	-42.19	3372.86	1.88	1.61	-0.97
7554.00	91.30	179.40	4626.77	-3404.61	-41.83	3404.84	1.90	-1.87	0.31
7586.00	89.50	178.60	4626.55	-3436.61	-41.27	3436.83	6.16	-5.62	-2.50
7618.00	88.40	177.90	4627.13	-3468.58	-40.30	3468.80	4.07	-3.44	-2.19
7650.00	88.60	178.30	4627.97	-3500.56	-39.24	3500.76	1.40	0.63	1.25
7681.00	88.50	177.90	4628.76	-3531.53	-38.21	3531.73	1.33	-0.32	-1.29
7713.00	89.20	177.80	4629.40	-3563.50	-37.01	3563.68	2.21	2.19	-0.31
7745.00	89.50	178.10	4629.76	-3595.48	-35.86	3595.65	1.33	0.94	0.94
7777.00	89.60	178.30	4630.01	-3627.46	-34.86	3627.63	0.70	0.31	0.62
7808.00	89.80	178.10	4630.17	-3658.44	-33.88	3658.60	0.91	0.65	-0.65
7838.00	89.80	178.10	4630.28	-3688.43	-32.89	3688.57	0.00	0.00	0.00
7870.00	89.80	177.80	4630.39	-3720.41	-31.75	3720.54	0.94	0.00	-0.94
7902.00	88.00	177.80	4631.01	-3752.38	-30.52	3752.50	5.62	-5.62	0.00
7933.00	86.20	177.10	4632.57	-3783.30	-29.14	3783.42	6.23	-5.81	-2.26
7965.00	86.00	176.90	4634.75	-3815.19	-27.47	3815.28	0.88	-0.63	-0.63
7996.00	85.90	177.10	4636.94	-3846.07	-25.85	3846.15	0.72	-0.32	0.65
8028.00	86.20	177.40	4639.14	-3877.95	-24.32	3878.02	1.32	0.94	0.94
8060.00	86.90	177.30	4641.07	-3909.86	-22.84	3909.92	2.21	2.19	-0.31
8092.00	87.70	177.60	4642.58	-3941.79	-21.42	3941.84	2.67	2.50	0.94
8123.00	87.60	178.30	4643.85	-3972.75	-20.31	3972.78	2.28	-0.32	2.26
8155.00	88.10	178.30	4645.05	-4004.71	-19.36	4004.73	1.56	1.56	0.00
8186.00	88.90	178.60	4645.86	-4035.69	-18.53	4035.70	2.76	2.58	0.97

**WOOLSEY OPERATING COMPANY, LLC**  
 125 North Market, Suite 1000, Wichita, Kansas 67202  
 Phone: 316-267-4379 Fax 316-267-4383

**TUCKER B-5 H**  
 Harbaugh East Prospect  
 Survey: 250' FNL, 425' FEL  
 Apx W2 E2 NE NE Section 11-34-11W  
 Barber County, Kansas

API: 15-007-23787-01-00  
 Spud: 10/16/2011  
 Elev: 1400' GL 1416' KB  
 Field: Schubach  
 Acctg code: KDWT12

**DRILLING REPORT**

8218.00	89.30	178.60	4646.36	-4067.68	-17.74	4067.68	1.25	1.25	0.00
8250.00	89.40	178.60	4646.73	-4099.66	-16.96	4099.66	0.31	0.31	0.00
8282.00	89.20	178.90	4647.12	-4131.65	-16.26	4131.65	1.13	-0.63	0.94
8313.00	89.50	178.80	4647.47	-4162.65	-15.64	4162.63	1.02	0.97	-0.32
8345.00	89.70	178.40	4647.69	-4194.64	-14.86	4194.61	1.40	0.63	-1.25
8377.00	89.40	178.60	4647.94	-4226.62	-14.02	4226.59	1.13	-0.94	0.63
8408.00	88.90	178.90	4648.40	-4257.61	-13.35	4257.57	1.88	-1.61	0.97
8440.00	89.30	179.10	4648.91	-4289.60	-12.79	4289.56	1.40	1.25	0.63
8471.00	89.50	178.80	4649.23	-4320.60	-12.22	4320.55	1.16	0.65	-0.97
8503.00	89.10	179.30	4649.62	-4352.59	-11.69	4352.53	2.00	-1.25	1.56
8535.00	89.30	179.10	4650.07	-4384.58	-11.24	4384.52	0.88	0.63	-0.63
8567.00	89.60	179.30	4650.38	-4416.58	-10.80	4416.51	1.13	0.94	0.63
8598.00	89.30	179.10	4650.67	-4447.57	-10.36	4447.51	1.16	-0.97	-0.65
8630.00	89.50	179.40	4651.01	-4479.57	-9.94	4479.50	1.13	0.63	0.94
8662.00	89.00	179.90	4651.43	-4511.57	-9.75	4511.49	2.21	-1.56	1.56
8694.00	89.10	179.90	4651.96	-4543.56	-9.69	4543.48	0.31	0.31	0.00
8725.00	89.30	179.90	4652.39	-4574.56	-9.64	4574.48	0.65	0.65	0.00

Bottom Hole Closure 4574.57ft Along Azimuth 180.12°

**Well comparison to: WOC Tucker B-3, NE NE Sec 11-34-11W**

<u>Sample Tops (TVD):</u>		Structural comparison
Heebner	3654 (-2238)	-2
Toronto	3672 (-2256)	-9
Douglas	3694 (-2278)	-9
Haskell Brown Lime	4047 (-2631)	-3
Quindaro Sh	4144 (-2728)	+1
Stark Sh	4328 (-2912)	flat
Hushpuckney Sh	4360 (-2944)	flat
Base Kansas City	4412 (-2996)	-2
Pawnee Ls	4505 (-3089)	+1
Cherokee Gp	4555 (-3139)	-4
Mississippian	4583 (-3167)	-2

**Driving directions:** From Medicine Lodge KS: Go south on Hwy 281 to the jct of Gerlane Rd and Hwy 281 (about 9 miles), Go east on Gerlane Rd 7/10th miles to the jct of Gerlane Rd and Bethel Rd, Go south on Bethel Rd 1/10th mile to the jct of Bethel Rd and Black Kettle Rd, Turn west on Black Kettle Rd and go 500', turn south into the location.

Frac port detail inserted here