

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

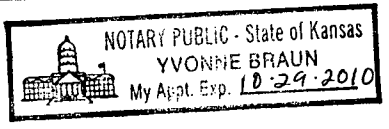
OPERATOR: License # 6768
Name: Carrie Exploration and Development
Address 1: 210 West 22nd Street
Address 2: _____
City: Hays State: Ks Zip: 67601 + _____
Contact Person: Ron Herold
Phone: (785) 625 9318
CONTRACTOR: License # 33350
Name: Southwind Drilling Inc
Wellsite Geologist: Herb Deines
Purchaser: NCRA
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 Dry Other _____
(Core, WSW, Expl., Cathodic, 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
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Docket No.: _____
 Dual Completion Docket No.: _____
 Other (SWD or Enhr.?) Docket No.: _____
Spud Date or 8-5-09 Date Reached TD Completion Date or
Recompletion Date 8-13-09 8-23-09

API No. 15 - 009-25336-00-00
Spot Description: 80' North & 13' West
NE SE SW SW Sec. 35 Twp. 19 S. R. 11 East West
575 Feet from North / South Line of Section
1142 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Barton
Lease Name: Bob Thomas Well #: C-1
Field Name: Chase Silica
Producing Formation: Arbuckle
Elevation: Ground: 1767 Kelly Bushing: 1775
Total Depth: 3422 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 265 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1745 Feet
If Alternate II completion, cement circulated from: 1745
feet depth to: 1745 w/ 459 sx cmt.

Drilling Fluid Management Plan ATI NR 11-16-09
(Data must be collected from the Reserve Pit)
Chloride content: 16,500 ppm Fluid volume: 1100 bbls
Dewatering method used: Trucking & Evaporation
Location of fluid disposal if hauled offsite:
Operator Name: Bob's Oil Service
Lease Name: Sieker License No.: 32408
Quarter NW Sec. 35 Twp. 19 S. R. 11 East West
County: Barton Docket No.: 26,497

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.
Signature: Ron Herold
Title: Owner Date: 11-4-09
Subscribed and sworn to before me this 4th day of November,
2009.
Notary Public: Yvonne Braun
Date Commission Expires: 10-29-2010



KCC Office Use ONLY

Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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NOV 06 2009

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Operator Name: Carrie Exploration and Development Lease Name: Bob Thomas Well #: C-1
 Sec. 35 Twp. 19 S. R. 11 East West County: Barton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Dual Porosity Dual Induction Microresistivity	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>497</td> <td>+1278</td> </tr> <tr> <td>Heebner</td> <td>2878</td> <td>-1103</td> </tr> <tr> <td>Douglas</td> <td>2909</td> <td>-1134</td> </tr> <tr> <td>Lansing KC</td> <td>3024</td> <td>-1249</td> </tr> <tr> <td>Arbuckle</td> <td>3284</td> <td>-1509</td> </tr> <tr> <td>RTD</td> <td>3422</td> <td>-1647</td> </tr> </table>	Name	Top	Datum	Anhydrite	497	+1278	Heebner	2878	-1103	Douglas	2909	-1134	Lansing KC	3024	-1249	Arbuckle	3284	-1509	RTD	3422	-1647
Name	Top	Datum																				
Anhydrite	497	+1278																				
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Douglas	2909	-1134																				
Lansing KC	3024	-1249																				
Arbuckle	3284	-1509																				
RTD	3422	-1647																				

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8	23	265	common	200	3% CaCl 2%Gel
Production	7 7/8	5 1/2	14	3379	EA-2	165	Floclo, 5%Salt, 2%Catseal, CFR-1

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	1745	60-40 POZ	459	

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	3285 TO 3289	200 GAL 15% NE/FE	3285

TUBING RECORD:	Size: <u>2 7/8</u>	Set At: <u>3341</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>08/24/2009</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. <u>60</u>	Gas Mcf	Water Bbls. <u>90</u>	Gas-Oil Ratio <u>44</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>Arbuckle 3285 - 3289</u> <div style="text-align: right; border: 1px solid black; padding: 2px; font-weight: bold;">RECEIVED</div>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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P. O. Box 466
 Ness City, KS 67560
 Off: 785-798-2300



Invoice

DATE	INVOICE #
8/14/2009	16489

BILL TO

Carrie Exploration & Development
 210 West 22nd Street
 Hays, KS 67601

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	C #1	Bob Thomas	Barton	SouthWind Drillin...	Oil	Development	LongString	Dave
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				70	Miles	5.00	350.00
578D-L	Pump Charge - Long String				1	Job	1,400.00	1,400.00
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
281	Mud Flush				500	Gallon(s)	1.00	500.00T
290	D-Air				2	Gallon(s)	35.00	70.00T
402-5	5 1/2" Centralizer				5	Each	55.00	275.00T
403-5	5 1/2" Cement Basket				1	Each	180.00	180.00T
404-5	5 1/2" Port Collar				1	Each	1,900.00	1,900.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	225.00	225.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	275.00	275.00T
325	Standard Cement				125	Sacks	11.00	1,375.00T
328	Swift Light 60/40 Pozmix (4% Gel)				40	Sacks	9.00	360.00T
276	Flocele				30	Lb(s)	1.50	45.00T
283	Salt				625	Lb(s)	0.15	93.75T
284	Calseal				6	Sack(s)	30.00	180.00T
285	CFR-1				60	Lb(s)	4.00	240.00T
581D	Service Charge Cement				165	Sacks	1.50	247.50
583D	Drayage				574.74	Ton Miles	1.00	574.74
Subtotal								8,340.99
Sales Tax Barton County							6.30%	363.43

*pd 8-18-09
 #5867*

We Appreciate Your Business!

Total

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QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

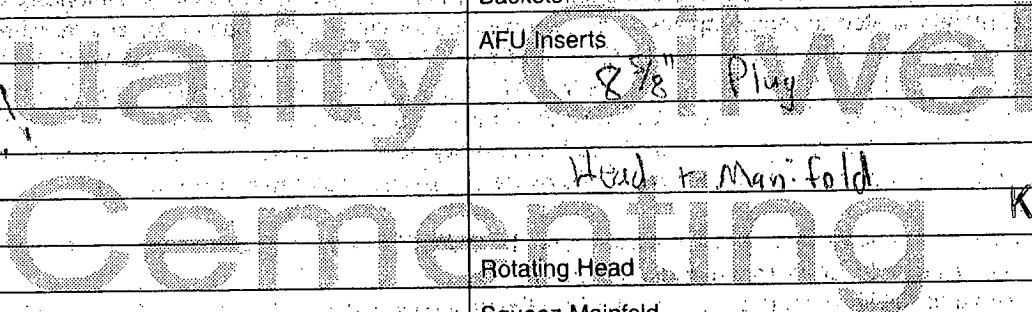
Home Office P.O. Box 32 Russell, KS 67665

No. 3320

Date	8/5/09	Sec.	35	Twp.	19	Range	11 W	County	Barton	State	KS	On Location		Finish	4:15 PM
Lease	Bob Thomas		Well No.	"C" #1		Location: Ellinwood, 3E, 1/4 N, E into									
Contractor	Southwind Drilling Rig #3					Owner:									
Type Job	Surface					To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.									
Hole Size	12 1/4"		T.D.	265'		Charge To: Carrie Exploration									
Csg.	8 5/8" 23 #		Depth	265'		Street:									
Tbg. Size			Depth			City: State:									
Drill Pipe			Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Tool			Depth												
Cement Left in Csg.	15'		Shoe Joint			CEMENT:									
Press Max.			Minimum			Amount Ordered: 200 sc Com 3% cc 2 Vogel									
Meas Line			Displace	16 Bbls.		Common									
Perf.					Poz. Mix										
EQUIPMENT															
Pumptrk	1	No.	Cementer	Paul		Gel.									
			Helper			Calcium									
Bulktrk	2	No.	Driver	Brandon		Mills									
			Driver			Salt									
Bulktrk	AV	No.	Driver	Darryl		Flowseal									
			Driver												
JOB SERVICES & REMARKS															
Pumptrk Charge					Handling										
Mileage					Mileage										
Footage					Pump Truck Charge										
		Total				FLOAT EQUIPMENT									
Remarks: Cement Circulated					Guide Shoe										
					Centralizer										
					Baskets										
					AFU Inserts										
Thank You!!					8 5/8" Plug										
					Head to Manifold										
					Rotating Head										
					Squeeze Mainfold										
					Tax										
					Discount										
					Total Charge										
X Signature	[Signature]														

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TREATMENT REPORT

Acid Stage No.

Date 8-21-09 District G.S. F. O. No. C33982
 Company Carie Exploration
 Well Name & No. Bob Thomas C#1
 Location _____ Field _____
 County Os. Jan State ks
 Casing: Size 5 1/2" Type & Wt. _____ Set at _____ ft.
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Yes/No. Perforated from _____ ft. to _____ ft.
 Tubing: Size & Wt. 2 7/8" Swung at _____ ft.
 Perforated from _____ ft. to _____ ft.
 Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Type Treatment: Amt. _____ Type Fluid _____ Sand Size _____ Pounds of Sand _____
 Bkdown _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 Flush _____ Bbl./Gal. _____
 Treated from _____ ft. to _____ ft. No. ft. _____
 from _____ ft. to _____ ft. No. ft. _____
 from _____ ft. to _____ ft. No. ft. _____
 Actual Volume of Oil/Water to Load Hole: _____ Bbl./Gal.
 Pump Trucks No. Used: Std. 370 Sp. _____ Twin _____
 Auxiliary Equipment 135/310
 Packer: _____ Set at _____ ft.
 Auxiliary Tools _____
 Plugging or Sealing Materials: Type _____ (cals. _____ lb.)

Company Representative Ron Harold Treater Nathan W.

TIME (h:m/p.m.)	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
9:00	2 7/8"	5 1/2"		On Location Rig up.
:				Pressured up to 800psi. Held.
:				Open port-collar @ 1745'
:				Mix 475 sts. 6% w/px 4% gel.
:				Circulated cement to surface.
:				Close port-collar. Test to 400psi. Held.
:				Run 5 sts. Reversed out tubing.
:				Thank You!
:				Nathan W.
:				(Total = 475 sts.)

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COPELAND

Acid & Cement

POST OFFICE BOX 438
 HAYSVILLE, KS 67060
 (316) 524-1225
 (316) 524-1027 FAX

Invoice

BURRTON, KS (620) 463-5161
 GREAT BEND, KS (620) 793-3366
 FAX (620) 463-2104 FAX (620) 793-3536

INVOICE NUMBER:
C32882-IN

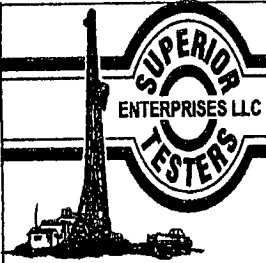
BILL TO:
 CARRIE EXPLORATION & DEV.
 210 WEST 22ND STREET
 HAYS, KS 67601

LEASE: **BOB THOMAS C #1**

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
08/25/2009	C32882		08/21/2009		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
15.00	MI	CEMENT MILEAGE PUMP TRUCK		0.00	3.00	45.00
15.00	MI	CEMENT MILEAGE PU TRUCK		0.00	1.00	15.00
1.00	EA	CEMENT PUMP CHARGE		0.00	900.00	900.00
450.00	SAX	60-40 POZ MIX		0.00	9.25	4,162.50
9.00	SAX	2% ADDITIONAL GEL		0.00	16.00	144.00
459.00	EA	BULK CHARGE		0.00	1.25	573.75
303.00	MI	BULK TRUCK - TON MILES		0.00	1.10	333.30
		<i>pd 8-31-09 # 1764</i>				
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP		Net Invoice:		6,173.55
		FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.		BATCO Sales Tax:		56.70
RECEIVED BY		NET 30 DAYS		Invoice Total:		6,230.25

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There will be a charge of 1.5% (18% annual rate) on all accounts over 30 days past due.



DRILL STEM TEST REPORT

CARRIE EXPLORATION AND DEVELOPMENT

BOB THOMAS C#1

210 WEST 22ND STREET
HAYS KS 67601

35-19s-11w

Job Ticket: 16769

DST#: 6

ATTN: HERB DEINES

Test Start: 2009.08.13 @ 00:00:00

GENERAL INFORMATION:

Formation: **ar buckle**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened:
 Time Test Ended:

Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Gene Budig**
 Unit No: **3345 25**

Interval: **3316.00 ft (KB) To 3330.00 ft (KB) (TVD)**
 Total Depth: **3330.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1775.00 ft (KB)**
1767.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 8400

Inside

Press@RunDepth: **1158.46 psia @ 3326.00 ft (KB)**

Capacity: **5000.00 psia**

Start Date: **2009.08.13**

End Date:

2009.08.13

Last Calib.: **2009.08.13**

Start Time: **14:15:28**

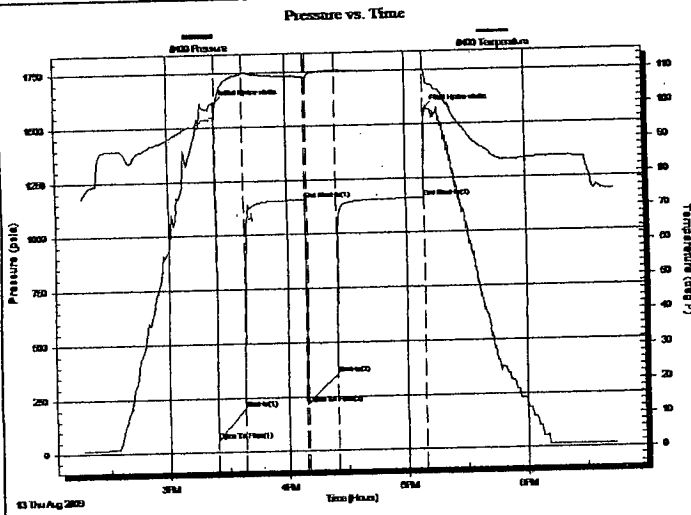
End Time:

18:44:58

Time On Btm: **2009.08.13 @ 15:23:58**

Time Off Btm: **2009.08.13 @ 17:09:28**

TEST COMMENT: 15 minutes 1st Opening fair blow built to the bottom of a 5 gallon bucket in 3 1/2 minutes
 30 minutes 1sr Shut-In weak surface blow
 15 minutes 2nd Opening fair blow built to the bottom of a 5 gallon bucket in 4 1/2 minutes
 45 minutes 2nd Shut-In weak surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1608.53	97.11	Initial Hydro-static
1	56.10	98.91	Open To Flow (1)
15	204.18	109.64	Shut-In(1)
46	1158.63	108.62	End Shut-In(1)
46	218.75	108.27	Open To Flow (2)
62	357.64	110.31	Shut-In(2)
105	1158.46	109.86	End Shut-In(2)
106	1566.72	109.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	G&O C mUDDY WATER 15%G 10% O	151.4055%W
120.00	G&O C MUDDY WATER 20%G 10%O 7%	1.683%W
120.00	SG&O C MUDDY WATER 3%G 7%O 5%M	1.68W
120.00	G&O C mUDDY WATER 20%G 5%O 5%M	1.686W
120.00	G&O C MUDDY WATER 30%G 5%O 5%M	1.686W
120.00	G0&M CUT WATER 2%G 3%O 5%M 85%	1.68FER

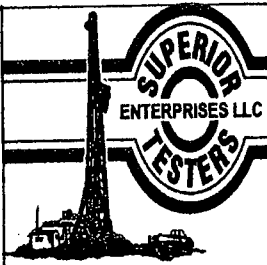
Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

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DRILL STEM TEST REPORT

CARRIE EXPLORATION AND DEVELOPMENT

BOB THOMAS C#1

210 WEST 22ND STREET
HAYS KS 67601

35-19s-11w

Job Ticket: 16768

DST#: 5

ATTN: HERB DEINES

Test Start: 2009.08.13 @ 00:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened:
 Time Test Ended:

Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 3345--25

Interval: **3294.00 ft (KB) To 3310.00 ft (KB) (TVD)**
 Total Depth: 3310.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

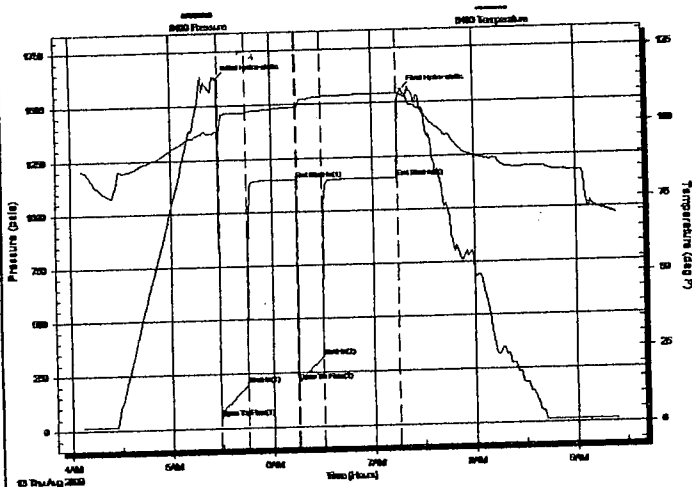
Reference Elevations: 1775.00 ft (KB)
 1767.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: **8400** Outside
 Press@RunDepth: 1150.45 psia @ 3307.00 ft (KB)
 Start Date: 2009.08.13 End Date: 2009.08.13
 Start Time: 04:06:51 End Time: 09:24:21

Capacity: 5000.00 psia
 Last Calib.: 1899.12.30
 Time On Btm: 2009.08.13 @ 05:27:21
 Time Off Btm: 2009.08.13 @ 07:17:21

TEST COMMENT: 15 min 1st Opening fair blow built to the bottom of a 5 gallon bucket in 3 1/2 minutes
 30 minutes 1st Shut-in weak blow back
 15 minutes 2nd Opening fair blow built to the bottom of a 5 gallon bucket in 4 1/2 minutes
 45 minutes 2nd Shut-in weak blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1623.20	98.35	Initial Hydro-static
2	52.74	97.97	Open To Flow (1)
18	201.75	104.58	Shut-in(1)
48	1151.39	106.38	End Shut-in(1)
48	209.42	106.08	Open To Flow (2)
63	322.34	109.41	Shut-in(2)
107	1150.45	110.00	End Shut-in(2)
110	1555.11	109.33	Final Hydro-static

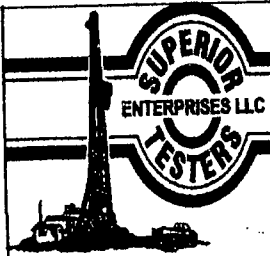
Recovery

Length (ft)	Description	Volume (bbl)
195.00	SO&GC MUDDY WATER 10%G10%O3%W	2.74
180.00	SO&MCWATER 15%G 5% O 10%M 7%W	92.52
120.00	SGO&MUD CUT WATER 25%G 10%O5%W	1.68
120.00	SLIGHTLY MUD CUT WATER 2%M 98%W	1.68

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

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DRILL STEM TEST REPORT

CARRIE EXPLORATION AND DEVELOPMENT

BOB THOMAS C#1

210 WEST 22ND STREET
HAYS KS 67601

35-19s-11w

Job Ticket: 16767

DST#: 4

ATTN: HERD DIENES

Test Start: 2009.08.10 @ 10:50:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:04:00
 Time Test Ended: 00:00:00

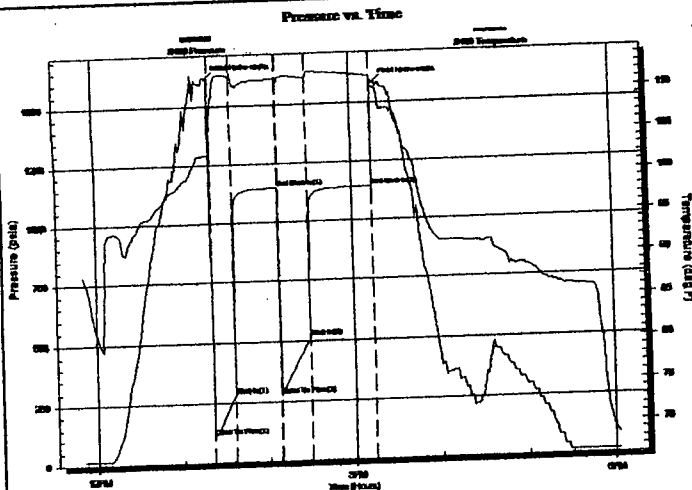
Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 3345-25

Interval: **3278.00 ft (KB) To 3294.00 ft (KB) (TVD)**
 Total Depth: 3294.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1775.00 ft (KB)
 1767.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8400 Inside Capacity: 5000.00 psia
 Press@RunDepth: 1140.62 psia @ 3290.00 ft (KB) Last Calib.: 2009.08.11
 Start Date: 2009.08.10 End Date: 2009.08.10
 Start Time: 11:51:00 End Time: 18:03:30
 Time On Btmr: 2009.08.10 @ 13:19:30
 Time Off Btmr: 2009.08.10 @ 15:16:00

TEST COMMENT: 15 1ST OPENING GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 45 SECONDS
 30 1ST SHUT-IN GOOD BLOW BACK BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 14 MINUTES
 15 2ND OPENING FAIR BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 90 SECONDS
 45 2ND SHUT-IN FAIR BLOW BACK BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 22 MINUTES



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1618.04	102.67	Initial Hydro-static
2	112.04	104.63	Open To Flow (1)
17	283.43	112.28	Shut-in(1)
49	1143.66	111.77	End Shut-in(1)
50	279.83	111.13	Open To Flow (2)
70	511.60	111.79	Shut-in(2)
114	1140.62	111.88	End Shut-in(2)
117	1585.30	110.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1400.00	GAS IN THE PIPE	19.64
1285.00	CLEAN GASSY OIL 35% GAS 65% OIL	18.03
45.00	g&o cut watery mud 35g 20o 35m 10w	0.63
45.00	g&o cut watery mud 30g 10o 30m 30w	0.63

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

Superior Testers Enterprises LLC

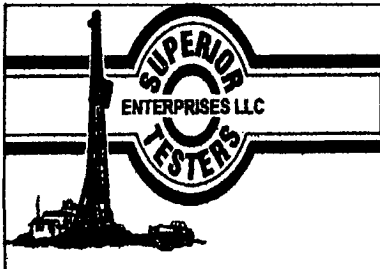
Ref. No: 16767

Printed: 2009.08.12 @ 13:19:49

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DRILL STEM TEST REPORT

CARRIE EXPLORATION AND DEVELOPMENT

BOB THOMAS C#1

210 WEST 22ND STREET
HAYS KS 67601

35-19s-11w

Job Ticket: 16766

DST#: 3

ATTN: HERD DIENES

Test Start: 2009.08.10 @ 07:11:08

GENERAL INFORMATION:

Formation: **LKC-G-**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:57:08

Time Test Ended: 13:36:38

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 25 M GB

Interval: **3106.00 ft (KB) To 3131.00 ft (KB) (TVD)**

Reference Elevations: 1775.00 ft (KB)

Total Depth: 3131.00 ft (KB) (TVD)

1767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **8405**

Inside

Press@RunDepth: 63.86 psia @ 3126.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2009.08.10

End Date:

2009.08.10

Last Calib.: 2009.08.10

Start Time: 07:12:08

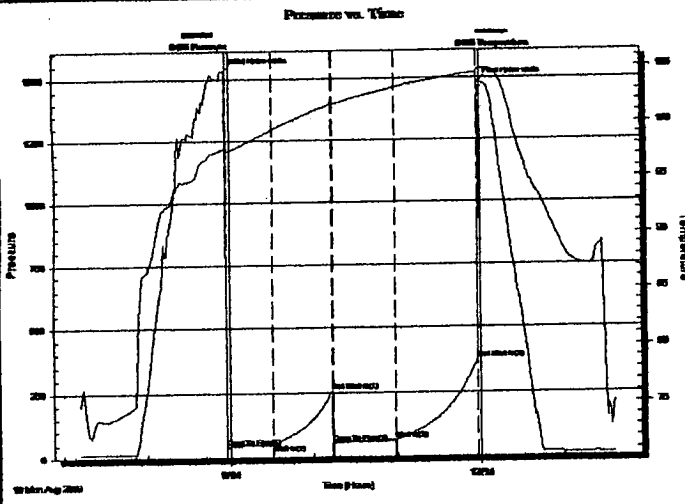
End Time:

13:36:38

Time On Btmr 2009.08.10 @ 08:56:08

Time Off Btmr 2009.08.10 @ 11:58:38

TEST COMMENT: 30-INITIAL OPENING WEAK BLOW BUILT TO 8 INCHES INTO WATER
45-INITIAL SHUT IN NO BLOW BACK
45-FINAL OPENING WEAK BLOW BUILT TO BOTTOM BUCKET IN 25 MINS
60-FINAL SHUT IN VERY WEAK BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1528.31	97.71	Initial Hydro-static
1	39.58	97.42	Open To Flow (1)
35	50.52	99.41	Shut-in(1)
77	259.00	101.69	End Shut-in(1)
78	53.63	101.67	Open To Flow (2)
123	63.86	103.21	Shut-in(2)
182	373.22	104.47	End Shut-in(2)
183	1479.40	104.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	OIL AND WATER CUT MUD 5%O10%WB	1.46JD
120.00	GAS IN PIPE 100%GAS	1.75

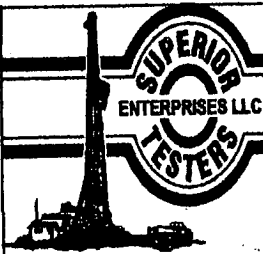
Gas Rates

Choke (Inches)	Pressure (psia)	Gas Rate (Mcf/d)

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DRILL STEM TEST REPORT

CARRIE EXPLORATION AND DEVELOPMENT

BOB THOMAS C#1

210 WEST 22ND STREET
HAYS KS 67601

35-19s-11w

Job Ticket: 16765

DST#: 2

ATTN: HERD DIENES

Test Start: 2009.08.09 @ 16:12:55

GENERAL INFORMATION:

Formation: **LKC A-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:33:25

Time Test Ended: 21:42:55

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 25 MGB

Interval: **3012.00 ft (KB) To 3060.00 ft (KB) (TVD)**

Total Depth: 3060.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1775.00 ft (KB)

1767.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **8400**

Inside

Press@RunDepth: 68.98 psia @ 3055.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2009.08.09

End Date:

2009.08.09

Last Calib.: 2009.08.09

Start Time: 16:13:55

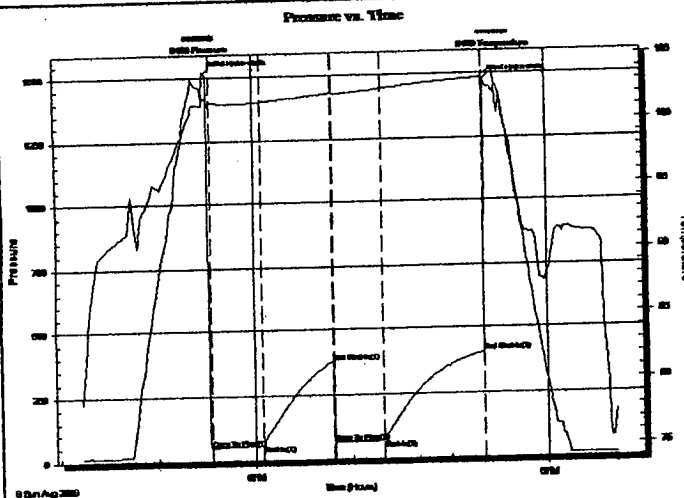
End Time:

21:42:55

Time On Btm: 2009.08.09 @ 17:29:55

Time Off Btm: 2009.08.09 @ 20:21:25

TEST COMMENT: 30-INITIAL OPENING GOOD BLOW BOTTOM OF THE BUCKET IN 5 MINS
45-INITIAL SHUT IN NO BLOW BACK
30-FINAL OPENING GOOD BLOW BOTTOM OF THE BUCKET IN 1 MIN
60-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

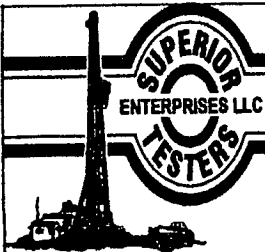
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1516.96	101.88	Initial Hydro-static
4	49.27	101.61	Open To Flow (1)
35	60.79	101.56	Shut-In(1)
78	378.98	102.17	End Shut-In(1)
79	64.01	102.10	Open To Flow (2)
109	68.98	102.46	Shut-In(2)
171	409.55	103.18	End Shut-In(2)
172	1474.04	103.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	MUD 100%MUD	0.80
600.00	GAS IN PIPE 100%GAS	8.77

Gas Rates

	Choke (Inches)	Pressure (psia)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

CARRIE EXPLORATION AND DEVELOPMENT

BOB THOMAS C#1

210 WEST 22ND STREET
HAYS KS 67601

35-19s-11w

Job Ticket: 16764

DST#: 1

ATTN: HERD DIENES

Test Start: 2009.08.09 @ 01:58:59

GENERAL INFORMATION:

Formation: **DOUGLAS SANDS**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:30:59
 Time Test Ended: 07:01:29

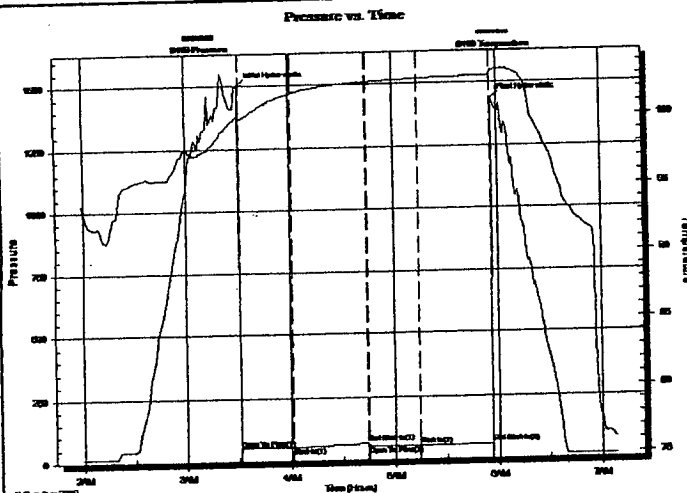
Test Type: Conventional Bottom Hole (Initial)
 Tester: DAVID NICHOLS
 Unit No: 3345 25 MGB

Interval: **2912.00 ft (KB) To 2968.00 ft (KB) (TVD)**
 Total Depth: 2968.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1775.00 ft (KB)
 1767.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: **8419** Outside Capacity: 5000.00 psia
 Press@RunDepth: 56.42 psia @ 2963.00 ft (KB) Last Calib.: 2009.08.09
 Start Date: 2009.08.09 End Date: 2009.08.09 Time On Btm: 2009.08.09 @ 03:30:42
 Start Time: 01:59:12 End Time: 07:08:42 Time Off Btm: 2009.08.09 @ 05:57:12

TEST COMMENT: 30-INITIAL OPENING WEAK SURFACE BLOW DIED AFTER 5 MINS
 45-INITIAL SHUT IN NO BLOW BACK
 30-FINAL OPENING NO BLOW
 45-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1496.55	100.24	Initial Hydro-static
1	50.62	99.90	Open To Flow (1)
31	51.68	101.87	Shut-in(1)
74	63.08	102.62	End Shut-in(1)
74	51.94	102.62	Open To Flow (2)
104	52.48	102.81	Shut-in(2)
146	56.42	102.98	End Shut-in(2)
147	1433.26	103.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	MUD 100%MUD	0.03

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)