

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
October 2008
Form Must Be Typed

ORIGINAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32346
 Name: Bartelson Oil
 Address 1: P. O. Box 45
 Address 2: _____
 City: Wellington State: Ks Zip: 67152 +
 Contact Person: Mitch Bartelson
 Phone: (620) 326-0486
 CONTRACTOR: License # 32854
 Name: Gulick Drilling
 Wellsite Geologist: Kent Crisler
 Purchaser: Atlas Gas
 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.: _____

<u>7-13-09</u>	<u>7-25-09</u>	<u>8-14-09</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 191-22564-0000
 Spot Description: SW,SW,ne
 _____ SW _____ SW _____ ne Sec. 18 Twp. 32s S. R. 34s East West
2310 Feet from North / South Line of Section
2000 Feet from East / West Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
 County: Sumner
 Lease Name: Stewart Farms Well #: 2-18
 Field Name: Love Three
 Producing Formation: White Cloud
 Elevation: Ground: 1207 Kelly Bushing: 1215
 Total Depth: 4010 Plug Back Total Depth: 2187
 Amount of Surface Pipe Set and Cemented at: 255 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set: n/a Feet
 If Alternate II completion, cement circulated from: n/a
 feet depth to: n/a w/ n/a sx cmt

Drilling Fluid Management Plan
 (Data must be collected from the Reserve Pit)
 Chloride content: 10000 ppm Fluid volume: 320 bbls
 Dewatering method used: Transfer liquids then let pit dry
 Location of fluid disposal if hauled offsite:
 Operator Name: Bartelson Oil
 Lease Name: Birkholz License No.: 32346
 Quarter NE Sec. 35 Twp. 32s S. R. 4 East West
 County: Sumner Docket No.: d-15208

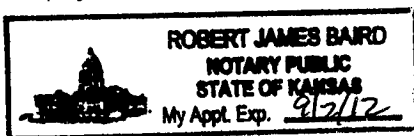
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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: _____
 Title: operator Date: 5-25-10
 Subscribed and sworn to before me this 29th day of May
2010
 Notary Public: _____
 Date Commission Expires: 9/2/2012

KCC Office Use ONLY
 Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
Alt 1 - Dg - 6/15/10

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Operator Name: Bartelson Oil Lease Name: Stewart Farms Well #: 2-18
 Sec. 18 Twp. 32s S. R. 31s3 East West County: Sumner

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 checked="" type="checkbox"/> Yes <input 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: neutron density, caliper, dual induction	<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:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>White Cloud</td> <td>2011</td> <td>-796</td> </tr> <tr> <td>Howard</td> <td>2094</td> <td>-879</td> </tr> <tr> <td>Iatan</td> <td>2956</td> <td>-1741</td> </tr> <tr> <td>Kansas City</td> <td>3255</td> <td>-2040</td> </tr> <tr> <td>Cherokee</td> <td>3715</td> <td>-2500</td> </tr> <tr> <td>rtd</td> <td>4010</td> <td>-2795</td> </tr> </table>	Name	Top	Datum	White Cloud	2011	-796	Howard	2094	-879	Iatan	2956	-1741	Kansas City	3255	-2040	Cherokee	3715	-2500	rtd	4010	-2795
Name	Top	Datum																				
White Cloud	2011	-796																				
Howard	2094	-879																				
Iatan	2956	-1741																				
Kansas City	3255	-2040																				
Cherokee	3715	-2500																				
rtd	4010	-2795																				

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	20#	255	60/40	175	2% cc
Production	7 7/8	4 1/2	10.5#	2192	Thick Set	175	5# kol-seal 3% cc

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

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
3 spf	2026-2044	none	

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TUBING RECORD:	Size: <u>2 3/8</u>	Set At: <u>2007</u>	Packer At: <u>n/a</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>8-17-2009</u>		Producing Method: <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. <u>0</u>	Gas Mcf <u>180</u>	Water Bbls. <u>20</u>	Gas-Oil Ratio Gravity

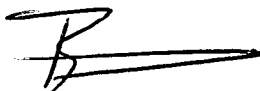
DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>2026-2044</u>
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**BARTELSON OIL
P.O BOX 45
WELLINGTON KS, 67152
Drilling Report**

Lease: Stewart Farms, #2-18
Legal: SW,SW,NE, 18,32S,3W
Api # 15-191-22564-0000
RTD: 4010
PBSD: 2187
Casing: 4 ½ @ 2192
Cement: 175 sx
KB: 1215

7-13-09 Spud set 8 5/8, Cement WOC, RU, BOP
7-14 300 Drilling Ahead
7-15 1400 Drilling Ahead
7-16 1900 Drilling Ahead drilling slowed due to storms
7-17 Circ @ 2041 Ran DST #1 from 2003-2032
7-18 Drilling @ 2120 ran DST # 2 and DST #3.
7-19 2600 Drilling ahead
7-20 3130 Drilling ahead
7-21 Tripping in after DST # 4
7-22 3530 Drilling ahead
7-23 3744 Drilling ahead
7-24 Tripping out for DST # 5
7-25 Tearing down loggers, condition hole, LDDP, run 52 jts 4 ½
with basket type shoe set @ 2192. Cement with 175 sx thickset
with 5# kol-seal, plug down @ 4 pm. Will test the White Cloud @ 2010
And the Howard @ 2094 thru perforations.

**Thank You
Mitch Bartelson**



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Bartelson Oil
 Mitch Bartelson
 PO Box #45
 Wellington, KS 67152

Stewart Farms #2-18 ~ Well Completion Report

8-14-09 Rig up. Run CBL and Find PBDT at 2186. Find TOC at 950.
 Perf. 2026-2044, 4 SPF R D Log Tech.
 Run S/N, 64 Jts, 2 3/8" + 6' sub. S/N at 2007 K B. Pk off. RU
 Swab.

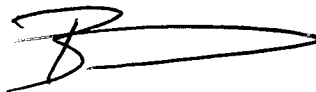
	Pulls	Pull From	C.P.	Recovery
Noon to 1pm	2	s/n	Vac	Dirty Water N/S
1 pm to 2 pm	4	SN	40#	5 th Pull, 300' gas ahead, very gassy 6 th Pull, Blow throughout, very gassy
2 pm to 3 pm	Blow to Pit			Est. 200 MCF w/ Fluid & Mud
3 pm to 4 pm	Blow to Pit			AA then - Shut in at 7PM

8-15-09 On SICP, 740#
[7:00 AM] Blow down to pit. No fluid until Blo-down, then heavy mist.
 Blow to Pit until 9 AM. The Stewart Farms #2-18 is flowing
 180 MCF/day & 20 BBls water/day natural from the White Cloud
 formation @ 2026-2044.

8-17-09 Hookup to Pipeline. Open Well. SICP 780 SITP 740.
 Flow test well. Wide open after Blo-Down.

Date/Time	Flo Rate	TP	CP	Yest. Vol.	Accum	Water/hr
8-17 8am	220	100	140	0	0	.75
8-18 8 am	180	70	120	216	216	.75
8-19 8 am	180	70	120	192	408	.75
8-20 8am	180	70	120	180	588	.75
8-21 8am	180	70	120	180	768	.75
8-22 8am	180	70	120	180	948	.75
8-23 8am	180	70	120	180	1128	.75

Report prepared by: Mitch Bartelson



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Company **Mitchel D Bartelson DBA**
 Address **P.O. Box 45**
 CSZ **Wellington, KS 67152**
 Attn. **Mitch Bartelson**

Lease Name **Stewart Farms**
 Lease # **2-18**
 Legal Desc **SW SW NE**
 Section **18**
 Township **32S**
 County **Sumner**
 Drilling Cont **Gulick Drilling**

Job Ticket **6023**
 Range **3W**
 State **KS**

Comments **Times : 25 - 40 - 25 - 50**

GENERAL INFORMATION

Test # 1
 Tester **Richard Holtz**
 Test Type **Conventional Bottom Hole Successful Test**
 Test Date **7/17/2009**

Chokes **3/4**
 Top Recorder # **W1022**
 Mid Recorder #
 Bott Recorder # **11027**
 Hole Size **7 7/8**

of Packers **2.0**
 Packer Size **6 3/4**

Mileage **40**
 Standby Time **0**
 Extra Equipmnt **jars and safety joint**
 Time on Site **6:00 PM**
 Tool Picked Up **11:30 PM**
 Tool Layed Dwn **6:00 AM**
 Approved By

Mud Type **Gel Chem**
 Mud Weight **9.2**
 Filtrate **8.0**
 Viscosity **44.0**
 Chlorides **26000**

Drill Collar Len **330.0**
 Wght Pipe Len **0**

Elevation **1207.00**
 Kelley Bushings **1217.00**

Formation **White Cloud**
 Interval Top **2003.0**
 Anchor Len Below **29.0**
 Total Depth **2032.0**
 Bottom **2032.0**
 Between **0**

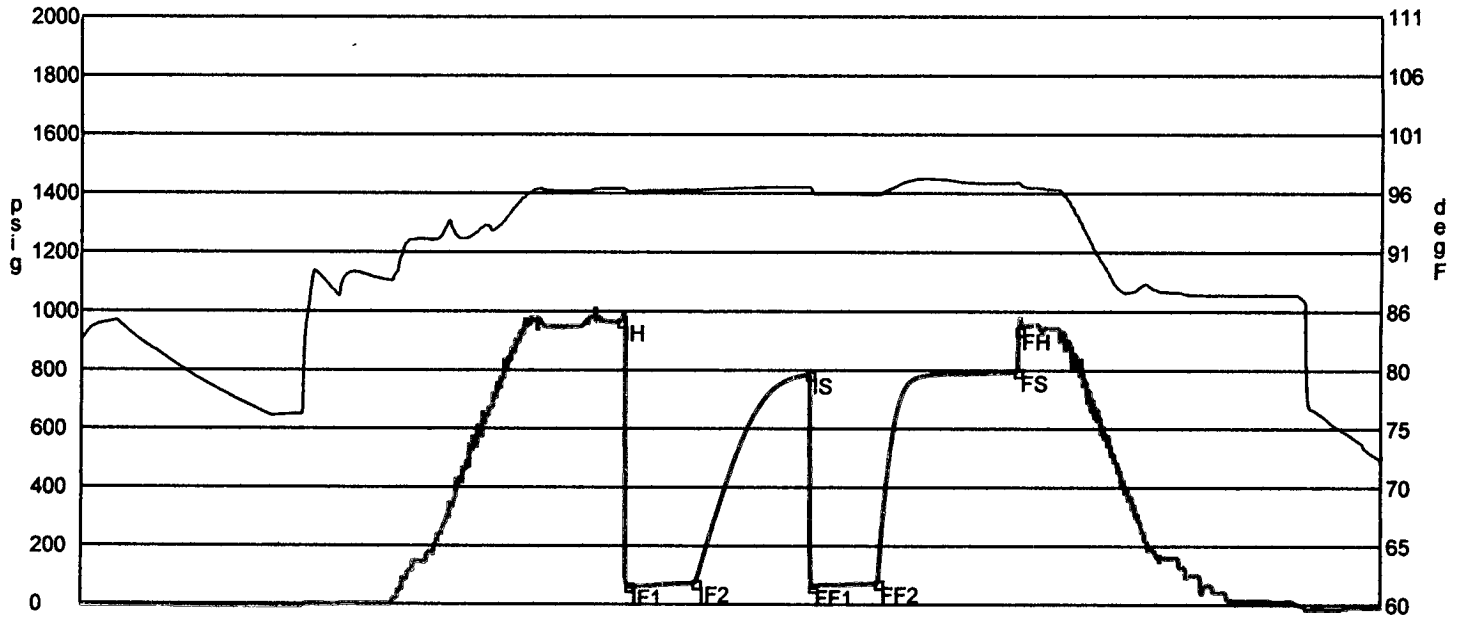
Start Date/Time **7/16/2009 10:00 PM**
 End Date/Time **7/17/2009 5:48 AM**

Blow Type **Initial Flow, weak blow building to strong, BOB in 2.5 minutes. No blow back on shut in. Final Flow, strong blow, BOB instantly. No blow back on shut in.**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
210	water cut mud	0% 0ft	0% 0ft	34% 71.4ft	66% 138.6ft
DST Fluids 40000					

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	Date	Time	Pressure	Temp	
IH	7/17/2009 1:13:00 AM	3.204167	965.872	96.101	Initial Hydro-static
IF1	7/17/2009 1:16:00 AM	3.254167	62.77	95.858	Initial Flow (1)
IF2	7/17/2009 1:40:15 AM	3.658333	73.298	95.99	Initial Flow (2)
IS	7/17/2009 2:21:15 AM	4.341667	786.016	96.254	Initial Shut-In
FF1	7/17/2009 2:22:30 AM	4.3625	61.627	95.791	Final Flow (1)
FF2	7/17/2009 2:46:15 AM	4.758333	72.398	95.579	Final Flow (2)
FS	7/17/2009 3:36:30 AM	5.595833	795.834	96.606	Final Shut-In
FH	7/17/2009 3:37:00 AM	5.604167	937.962	96.654	Final Hydro-static

GAS FLOWS

<u>Min Into IFP</u>	<u>Min Into FFP</u>	<u>Gas Flows</u>	<u>Pressure</u>	<u>Choke</u>
0	15	1.83 mcf	12.00 h2o	0.13 in
0	25	2.11 mcf	16.00 h2o	0.13 in

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Company **Mitchel D Bartelson DBA**
 Address **P.O. Box 45**
 CSZ **Wellington, KS 67152**
 Attn. **Mitch Bartelson**

Lease Name **Stewart Farms**
 Lease # **2-18**
 Legal Desc **SW SW NE**
 Section **18**
 Township **32S**
 County **Sumner**
 Drilling Cont **Gulick Drilling**

Job Ticket **6023**
 Range **3W**
 State **KS**

Comments **Times : 20 - 40 - 35 - 60**

GENERAL INFORMATION

Test # **2** Test Date **7/17/2009**
 Tester **Richard Holtz**
 Test Type **Conventional Bottom Hole**
Successful Test

of Packers **2.0** Packer Size **6 3/4**

Mud Type **Gel Chem**
 Mud Weight **9.2** Viscosity **42.0**
 Filtrate **13.8** Chlorides **36000**

Drill Collar Len **330.0**
 Wght Pipe Len **0**

Formation **White Cloud**
 Interval Top **2031.0** Bottom **2041.0**
 Anchor Len Below **10.0** Between **0**
 Total Depth **2041.0**

Blow Type **Initial Flow, strong blow, BOB in 30 seconds, weak blow back on shut in. Final Flow, strong blow, BOB instantly, Gas to surface 5 minutes into. No blow back on shut in.**

Chokes **3/4** Hole Size **7 7/8**
 Top Recorder # **W1022**
 Mid Recorder #
 Bott Recorder # **11027**

Mileage **0** Approved By
 Standby Time **0**
 Extra Equipmnt **jars and safety joints**
 Time on Site **12:00 AM**
 Tool Picked Up **12:00 AM**
 Tool Layed Dwn **4:15 PM**

Elevation **1207.00** Kelley Bushings **1217.00**

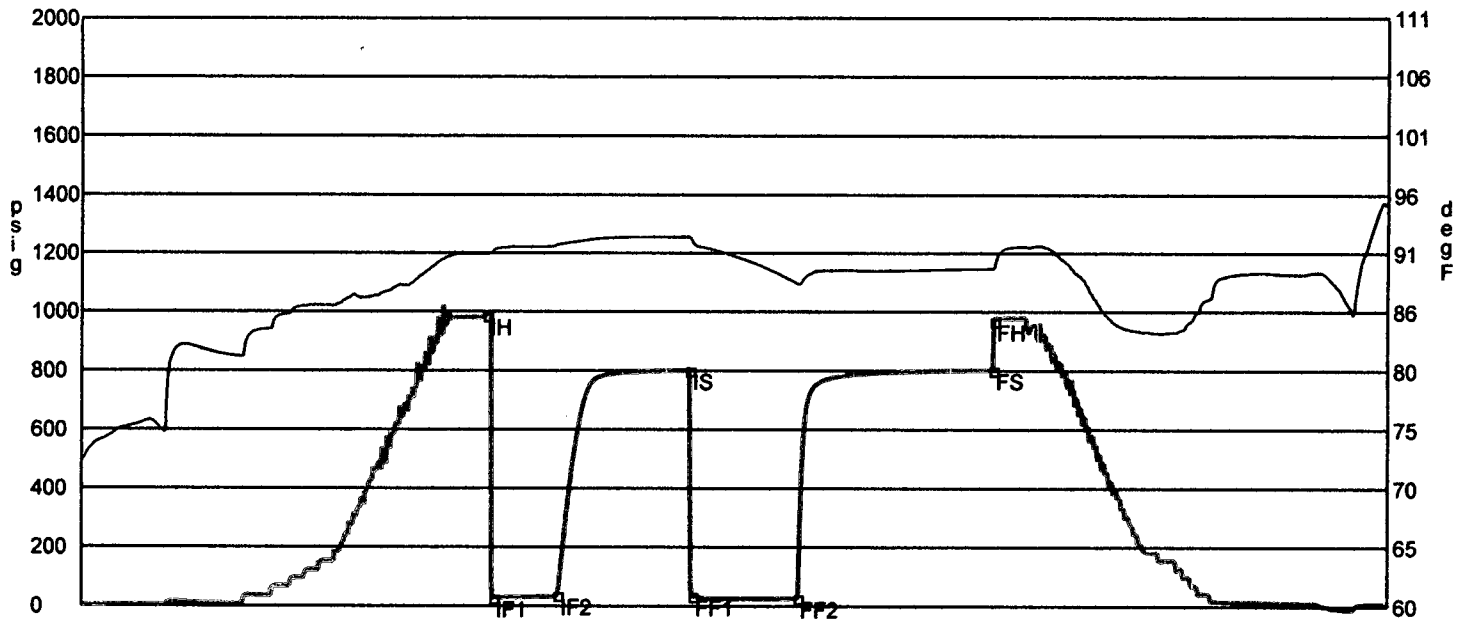
Start Date/Time **7/17/2009 9:41 AM**
 End Date/Time **7/17/2009 4:26 PM**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
80	water cut mud in hole	0% 0ft	0% 0ft	27% 21.6ft	73% 58.4ft

DST Fluids **43000**

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	Date	Time	Pressure	Temp	
IH	7/17/2009 11:45:00 AM	2.0625	986.008	90.552	Initial Hydro-static
IF1	7/17/2009 11:47:00 AM	2.095833	28.714	90.824	Initial Flow (1)
IF2	7/17/2009 12:07:00 PM	2.429167	37.028	91.355	Initial Flow (2)
IS	7/17/2009 12:48:00 PM	3.1125	801.994	92.036	Initial Shut-In
FF1	7/17/2009 12:49:00 PM	3.129167	34.665	91.589	Final Flow (1)
FF2	7/17/2009 1:21:45 PM	3.675	27.349	87.939	Final Flow (2)
FS	7/17/2009 2:22:30 PM	4.6875	803.175	89.248	Final Shut-In
FH	7/17/2009 2:22:45 PM	4.691667	969.143	89.268	Final Hydro-static

GAS FLOWS

<u>Min Into IFP</u>	<u>Min Into FFP</u>	<u>Gas Flows</u>	<u>Pressure</u>	<u>Choke</u>
0	15	30.00 mcf	23.00 h2o	0.50 in
0	25	49.30 mcf	12.00 h2o	0.75 in
0	35	58.50 mcf	17.00 h2o	0.75 in

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Company **Mitchel D Bartelson DBA**
 Address **P.O. Box 45**
3Z **Wellington, KS 67152**
4n. **Mitch Bartelson**

Lease Name **Stewart Farms**
 Lease # **2-18**
 Legal Desc **SW SW NE**
 Section **18**
 Township **32S**
 County **Sumner**
 Drilling Cont **Gulick Drilling**

Job Ticket **6023**
 Range **3W**
 State **KS**

Comments **Times : 20 - 40 - 20 - 40**

GENERAL INFORMATION

Test # **3** Test Date **7/18/2009**
 Tester **Richard Holtz**
 Test Type **Conventional Bottom Hole**
Successful Test

Chokes **3/4** Hole Size **7 7/8**
 Top Recorder # **W1022**
 Mid Recorder #
 Bott Recorder # **11027**

of Packers **2.0** Packer Size **6 3/4**

Mileage **40** Approved By

Mud Type **Gel Chem**
 Mud Weight **9.2** Viscosity **42.0**
 Filtrate **13.8** Chlorides **36000**

Standby Time **0**
 Extra Equipmnt **jars and safety joints**
 Time on Site **12:00 AM**
 Tool Picked Up **12:00 AM**
 Tool Layed Dwn **5:30 AM**

Drill Collar Len **330.0**
 Wght Pipe Len **0**

Elevation **1207.00** Kelley Bushings **1217.00**

Formation
 Interval Top **2082.0** Bottom **2111.0**
 Anchor Len Below **29.0** Between **0**
 Total Depth **2111.0**

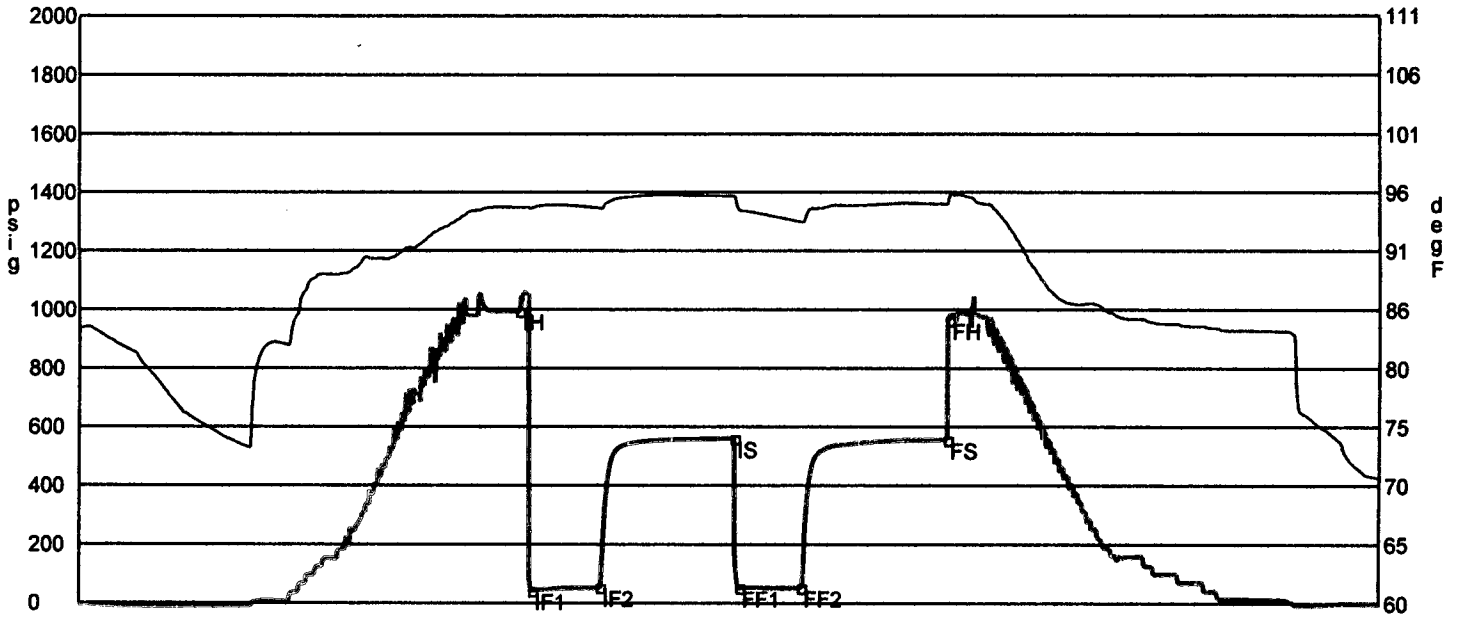
Start Date/Time **7/17/2009 11:24 PM**
 End Date/Time **7/18/2009 5:46 AM**

Blow Type **Initial Flow, strong blow, BOB in 1 minute. Gas to surface 11 minutes into. F**
inal Flow, strong blow, BOB instantly. No blow back on shut ins.

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
180	water cut mud	0% 0ft	0% 0ft	27% 48.6ft	73% 131.4ft
DST Fluids 42000					

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	Date	Time	Pressure	Temp	
IH	7/18/2009 1:31:45 AM	2.129167	995.456	94.39	Initial Hydro-static
IF1	7/18/2009 1:35:30 AM	2.191667	43.741	94.363	Initial Flow (1)
IF2	7/18/2009 1:55:30 AM	2.525	54.457	94.32	Initial Flow (2)
IS	7/18/2009 2:35:15 AM	3.1875	560.548	95.378	Initial Shut-In
FF1	7/18/2009 2:36:45 AM	3.2125	53.872	94.151	Final Flow (1)
FF2	7/18/2009 2:55:00 AM	3.516667	54.027	93.127	Final Flow (2)
FS	7/18/2009 3:38:15 AM	4.2375	556.601	94.678	Final Shut-In
FH	7/18/2009 3:38:45 AM	4.245833	964.821	95.406	Final Hydro-static

GAS FLOWS

<u>Min Into IFP</u>	<u>Min Into FFP</u>	<u>Gas Flows</u>	<u>Pressure</u>	<u>Choke</u>
20	0	55.20 mcf	15.00 h2o	0.75 in
0	10	89.80 mcf	12.00 h2o	1.00 in
0	20	95.20 mcf	13.50 h2o	1.00 in

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Company **Mitchel D Bartelson DBA**
 Address **P.O. Box 45**
 CSZ **Wellington, KS 67152**
 Attn. **Mitch Bartelson**

Lease Name **Stewart Farms**
 Lease # **2-18**
 Legal Desc **SW SW NE**
 Section **18**
 Township **32S**
 County **Sumner**
 Drilling Cont **Gulick Drilling**

Job Ticket **6023**
 Range **3W**
 State **KS**

Comments **Times : 20 - 40 - 20 - 40**

GENERAL INFORMATION

Test # **4** Test Date **7/21/2009**
 Tester **Richard Holtz**
 Test Type **Conventional Bottom Hole**
Successful Test

of Packers **2.0** Packer Size **6 3/4**

Mud Type **Gel Chem**
 Mud Weight **9.4** Viscosity **51.0**
 Filtrate **36.0** Chlorides **14000**

Drill Collar Len **330.0**
 Wght Pipe Len **0**

Formation **Swope**
 Interval Top **3396.0** Bottom **3442.0**
 Anchor Len Below **46.0** Between **0**
 Total Depth **3442.0**

Blow Type **Initial Flow, weak blow building to 3/4 inch. Final Flow, no blow. No blow back on shut ins.**

Chokes **3/4** Hole Size **7 7/8**
 Top Recorder # **W1022**
 Mid Recorder #
 Bott Recorder # **11027**

Mileage **40** Approved By
 Standby Time **60**
 Extra Equipmnt **jars and safety joints**
 Time on Site **12:00 AM**
 Tool Picked Up **4:30 PM**
 Tool Layed Dwn **10:30 PM**

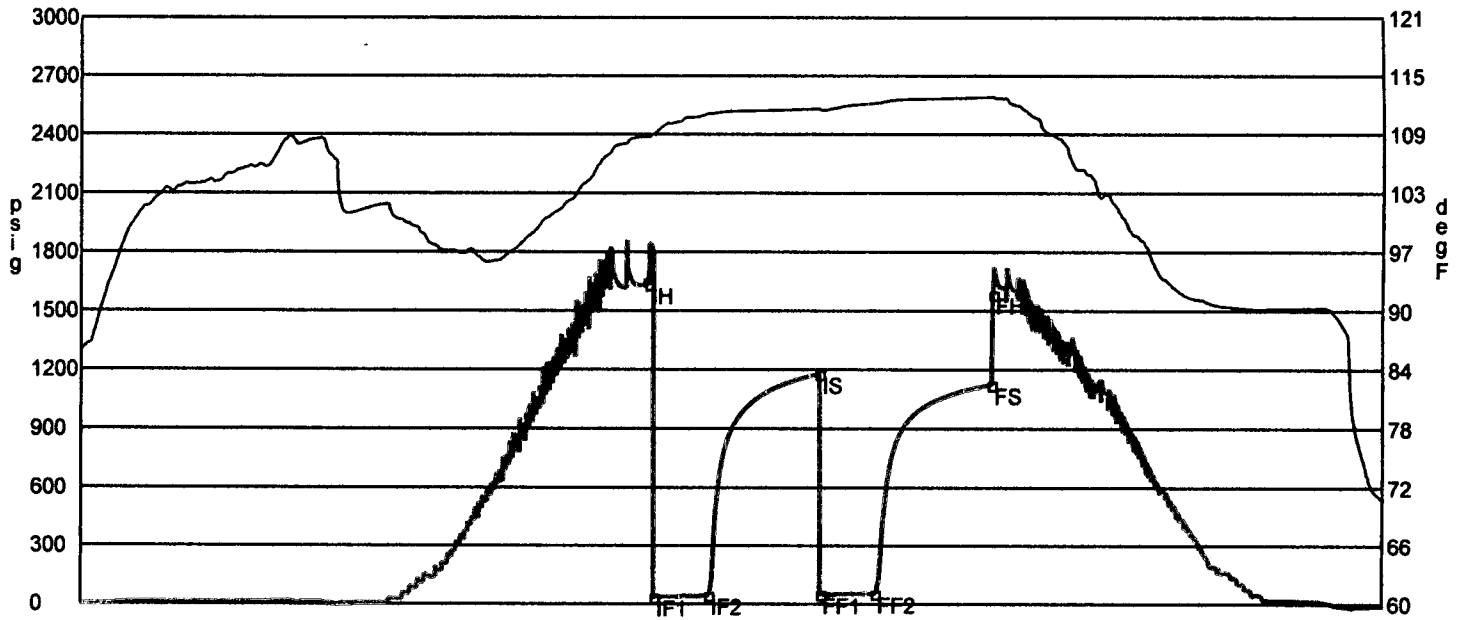
Elevation **1207.00** Kelley Bushings **1217.00**

Start Date/Time **7/21/2009 2:42 PM**
 End Date/Time **7/21/2009 10:31 PM**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
70	mud/wspot of oil	0% 0ft	0% 0ft	0% 0ft	100% 70ft
DST Fluids	0				

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	Date	Time	Pressure	Temp	
IH	7/21/2009 6:04:45 PM	3.375	1634.035	108.539	Initial Hydro-static
IF1	7/21/2009 6:06:45 PM	3.408333	36.076	108.728	Initial Flow (1)
IF2	7/21/2009 6:26:30 PM	3.7375	45.117	110.978	Initial Flow (2)
IS	7/21/2009 7:06:30 PM	4.404167	1178.474	111.484	Initial Shut-In
FF1	7/21/2009 7:07:00 PM	4.4125	50.46	111.336	Final Flow (1)
FF2	7/21/2009 7:26:45 PM	4.741667	54.12	112.059	Final Flow (2)
FS	7/21/2009 8:08:45 PM	5.441667	1124.257	112.687	Final Shut-In
FH	7/21/2009 8:09:15 PM	5.45	1585.341	112.75	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

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Company	Mitchel D Bartelson DBA	Lease Name	Stewart Farms	
Address	P.O. Box 45	Lease #	2-18	
CSZ	Wellington, KS 67152	Legal Desc	SW SW NE	Job Ticket 6023
Attn.	Mitch Bartelson	Section	18	Range 3W
		Township	32S	
		County	Sumner	State KS
		Drilling Cont	Gulick Drilling	
Comments	Times : 30 - 60 - 45 - 90			

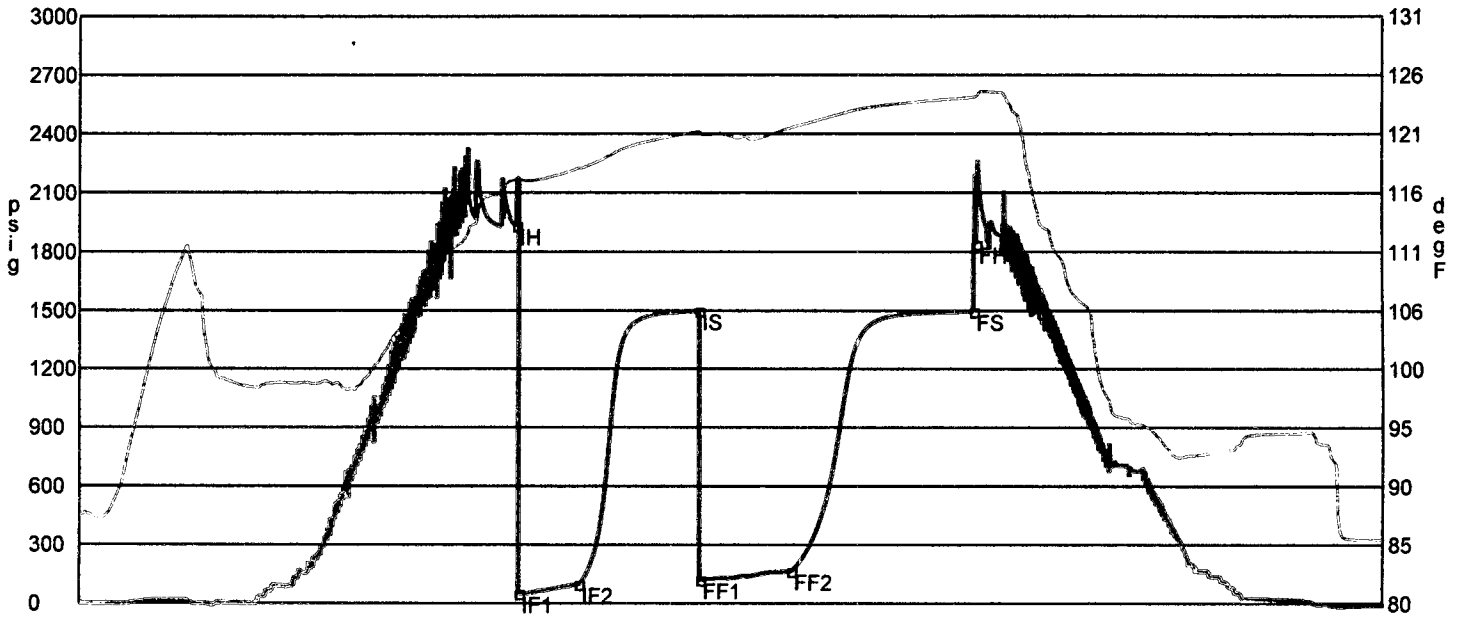
GENERAL INFORMATION

Test # 5	Test Date 7/24/2009	Chokes 3/4	Hole Size 7 7/8
Tester Richard Holt		Top Recorder # W1022	
Test Type Conventional Bottom Hole		Mid Recorder #	
		Bott Recorder # 11027	
# of Packers 2.0	Packer Size 6 3/4	Mileage 40	Approved By
Mud Type Gel Chem		Standby Time 36	
Mud Weight 9.4	Viscosity 54.0	Extra Equipmnt Jars and safety joints	
Filtrate 40.8	Chlorides 16000	Time on Site 12:00 AM	
		Tool Picked Up 12:00 PM	
		Tool Layed Dwn 9:45 PM	
Drill Collar Len 330.0		Elevation 1207.00	Kelley Bushings 1217.00
Wght Pipe Len 0			
Formation Mississippi		Start Date/Time 7/24/2009 11:20 AM	
Interval Top 3946.0	Bottom 4010.0	End Date/Time 7/24/2009 10:01 PM	
Anchor Len Below 64.0	Between 0		
Total Depth 4010.0			
Blow Type Initial Flow, weak blow building to strong, BOB in 24 minutes. Weak blow back on shut in. Final Flow, weak blow building to strong, BOB in 8 minutes. Weak blow back on shut in.			

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
660	Gas in Pipe	100% 660ft	0% 0ft	0% 0ft	0% 0ft
320	water cut mud	0% 0ft	0% 0ft	13% 41.6ft	87% 278.4ft
DST Fluids 46000					

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	Date	Time	Pressure	Temp	
IH	7/24/2009 2:52:30 PM	3.541667	1934.015	116.808	Initial Hydro-static
IF1	7/24/2009 2:54:00 PM	3.566667	51.226	116.86	Initial Flow (1)
IF2	7/24/2009 3:23:30 PM	4.058333	98.347	117.829	Initial Flow (2)
IS	7/24/2009 4:22:30 PM	5.041667	1499.207	121.023	Initial Shut-In
FF1	7/24/2009 4:23:15 PM	5.054167	122.335	120.833	Final Flow (1)
FF2	7/24/2009 5:08:15 PM	5.804167	165.847	121.369	Final Flow (2)
FS	7/24/2009 6:38:00 PM	7.3	1497.851	123.988	Final Shut-In
FH	7/24/2009 6:39:15 PM	7.320833	1841.29	124.085	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

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