

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
June 2009

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

16/18/12

OPERATOR: License # 5120
Name: Range Oil Company, Inc.
Address 1: 125 N. Market, Suite 1120
Address 2: _____
City: Wichita State: KS Zip: 67202 +
Contact Person: John Washburn
Phone: (316) 265-6231
CONTRACTOR: License # 30141
Name: Summit Drilling Co.
Wellsite Geologist: Frank Mize
Purchaser: _____

KCC
OCT 18 2010
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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 #: _____
9-16-10 9-24-10 10-6-10
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 015-23,880-0000
Spot Description: _____
Approx. NE SW Sec. 36 Twp. 24 S. R. 4 East West
2,040 Feet from North / South Line of Section
2,070 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Butler
Lease Name: Butler Laura Well #: 1
Field Name: wildcat
Producing Formation: _____
Elevation: Ground: 1417 Kelly Bushing: 1427
Total Depth: 2651 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 212 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: 900 ppm Fluid volume: 450 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

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.

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.

Signature: John M. Washburn
Title: Exploration Manager Date: 10-15-10

KCC Office Use ONLY

Letter of Confidentiality Received
Date: 10/15/10 - 10/15/12
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: MS Date: 11/18/10

RECEIVED

OCT 18 2010

KCC WICHITA

Operator Name: Range Oil Company, Inc. Lease Name: Butler Laura Well #: 1
 Sec. 36 Twp 24 S. R. 4 East West County: Butler

KCC
OCT 18 2010
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INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving in detail, 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 complete copy of all Electric Wire-line 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: DST (1) 2221' to 2263' 30-30-30-30 Rec: 35' mud IFP 24-31 ISIP 778 FFP 33-36 FSIP 724 T99F DST (2) 2570' to 2667' 30-30-60-60 Rec: 165' mud IFP 25-45 ISIP 910 FFP 52-96 FSIP 934 T:105 F	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Heebner</td> <td>1595'</td> <td>-168</td> </tr> <tr> <td>Lansing</td> <td>1877'</td> <td>-450</td> </tr> <tr> <td>Kansas City</td> <td>2147'</td> <td>-720</td> </tr> <tr> <td>BKC</td> <td>2308'</td> <td>-881</td> </tr> <tr> <td>Cherokee</td> <td>2522'</td> <td>-1095</td> </tr> <tr> <td>Hunton</td> <td>2664'</td> <td>-1237</td> </tr> <tr> <td>RTD</td> <td>2667'</td> <td>-1240</td> </tr> </tbody> </table>	Name	Top	Datum	Heebner	1595'	-168	Lansing	1877'	-450	Kansas City	2147'	-720	BKC	2308'	-881	Cherokee	2522'	-1095	Hunton	2664'	-1237	RTD	2667'	-1240
Name	Top	Datum																							
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Cherokee	2522'	-1095																							
Hunton	2664'	-1237																							
RTD	2667'	-1240																							

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	212'	common	125	3% CaCl
Production	7 7/8	5 1/2	14	2666'	Thick-set	160	

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 (Amount and Kind of Material Used)	Depth
four	2664-2667'	200 gallon (15% MCA)	2664-67'

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
			Swab 10 bwphr	

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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: Swab 10 bwphr
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

RECEIVED
OCT 18 2010
KCC WICHITA

UNCONSOLIDATED
Oil Well Services, LLC

 **ENTERED**

TICKET NUMBER 29144
LOCATION Eureka
FOREMAN Steve Mead

.x 884, Chanute, KS 66720
431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-16-10	6942	Butler Laura #1	36	245	4E	Butler
CUSTOMER			SAFETY MEETING			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
125 N. MARKET Ste. 1130			485	Alan		KCC
CITY	STATE	ZIP CODE	479	Alan B.		OCT 18 2010
Wichita	Ks					CONFIDENTIAL

JOB TYPE Surface HOLE SIZE 12'4" HOLE DEPTH 219' CASING SIZE & WEIGHT 8 5/8 23"
 CASING DEPTH 218' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT IN CASING 20'
 DISPLACEMENT 12.5 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting: Rig up to 8 5/8 casing Break Circulation with 10 bbls fresh water. Mix 125 sks Class A Cement w/ 3% CaCl2, 2% Gel & 1/4" Floccle per/sk. AT 14.8* per/sk. Shut down Release plug. Displace with 12.5 bbls fresh water. Shut casing in. Good cement Returns to surface - 6 bbls slurry to pit. Job complete Rig down.

Thank You

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	725.00	725.00
5406	40	MILEAGE	3.65	146.00
11045	125 sks	Class A Cement	13.50	1687.50
1102	350#	CaCl2 3%	.75	262.50
1118A	235#	Gel 2%	.20	47.00
1107	30#	Floccle 1/4" per/sk	2.10	63.00
5407		Ton mileage Bulk Truck	m/c	315.00
4432	1	8 5/8 Wooden Plug	72.00	72.00
4132	2	8 5/8 Centralizer	66.00	132.00
RECEIVED				
OCT 18 2010				
KCC WICHITA				
			Sub Total	3455.00
			SALES TAX	148.62
			ESTIMATED TOTAL	3603.62

Ravin 3737

AUTHORIZATION M. J. Hume TITLE Toolpusher Summit DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 29059

LOCATION Eureka KS

FOREMAN Rick Ledford

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE <u>9-24-10</u>	CUSTOMER # <u>6942</u>	WELL NAME & NUMBER <u>Butler Laura #2</u>	SECTION <u>36</u>	TOWNSHIP <u>24</u>	RANGE <u>4E</u>	COUNTY <u>Butler</u>
CUSTOMER <u>Range Oil Company Inc.</u>			SAFETY meeting			
MAILING ADDRESS <u>125 N. Market Ste 1120</u>			TRUCK # <u>520</u>	DRIVER <u>John JS</u>	TRUCK # <u>515</u>	DRIVER <u>Chris cm</u>
CITY <u>Wichita</u>			STATE <u>KS</u>	ZIP CODE	OCT 18 2010	
			<u>436</u>	<u>Allen B. AB.</u>	CONFIDENTIAL	

JOB TYPE longstring 0 HOLE SIZE 7 7/8" HOLE DEPTH 2662' L.S. CASING SIZE & WEIGHT 5 1/2" 14# new
 CASING DEPTH 2669 L.S. DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.6" SLURRY VOL 47 Bbl WATER gal/sk 9.0 CEMENT LEFT in CASING 9.5
 DISPLACEMENT 64.8 Bbl DISPLACEMENT PSI 700 ^{slurry} PSI 1200 RATE _____

REMARKS: Safety meeting- Rig up to 5 1/2" casing. Drop trip ball. Set pack shoe @ 2100
PSI. Pump 15 Bbl metasilicate pre-flush, 5 Bbl water spacer. Mixed 150 sus thickset
cement w/ 5" Kat-seal / sk @ 13.6" / gal yield 1.25. shut down, washout pump + lines.
Release latch down plug. Displace w/ 64.8 Bbl fresh water. Final pump pressure 700
PSI. Pump plug to 1200 PSI. wait 2 minutes, release pressure, float + plug hold.
Good circulation @ all times while cementing. Job complete. Rig down.

"THANK YOU"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	925.00	925.00
5406	40	MILEAGE	3.65	146.00
1126A	150 SUS	thickset cement	17.00	2550.00
1110A	750*	5" Kat-seal / sk	.42	315.00
1111A	100*	metasilicate pre-flush	1.80	180.00
5407A	8.25	ton mileage bulk truck	1.20	396.00
5502C	4 hrs	80 Bbl vac. tank	100.00	400.00
1123	3000 gals	city water	14.90/1000	44.70
4454	1	5 1/2" latch down plug	242.00	242.00
4130	6	5 1/2" centralizers	46.00	276.00
4253	1	5 1/2" Type A packer shoe	1640.00	1640.00
			RECEIVED	
			OCT 18 2010	
			KCC WICHITA	
			subtotal	7114.70
			SALES TAX 6.55%	343.73
			ESTIMATED TOTAL	7458.43

Ravin 3737

AUTHORIZATION [Signature]

TITLE Consulting Engineer

DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

Company **Range Oil Company, Inc.**
 Address **125 North Market Suite 1120**
 CSZ **Wichita, KS 67202**
 Attn. **Frank Mize**

Lease Name **Butler Laura**
 Lease # **1**
 Legal Desc **NE SW**
 Section **36**
 Township **24S**
 County **Butler**
 Drilling Cont **Summit Drilling #1**

Job Ticket **3096**
 Range **4E**
 State **KS**

Comments **Field: Wildcat**

GENERAL INFORMATION

Test # **1** Test Date **9/22/2010**
 Tester **Jimmy Ricketts**
 Test Type **Conventional Bottom Hole**
Successful Test
 # of Packers **2.0** Packer Size **6 3/4**
 Mud Type **Gel Chem**
 Mud Weight **9.1** Viscosity **52.0**
 Filtrate **9.6** Chlorides **900**

Chokes **3/4** Hole Size **7 7/8**
 Top Recorder # **13767**
 Mid Recorder #
 Bott Recorder # **w1023**

Mileage **120** Approved By
 Standby Time **0**
 Extra Equipmnt **Jars & Safety Joint**
 Time on Site **7:00 AM**
 Tool Picked Up **11:00 AM**
 Tool Layed Dwn **5:00 PM**

Drill Collar Len **378.0**
 Wght Pipe Len **0**

Elevation **1419.00** Kelley Bushings **1429.00**

Formation **Dennis & Swope**
 Interval Top **2221.0** Bottom **2263.0**
 Anchor Len Below **42.0** Between **0**
 Total Depth **2263.0**

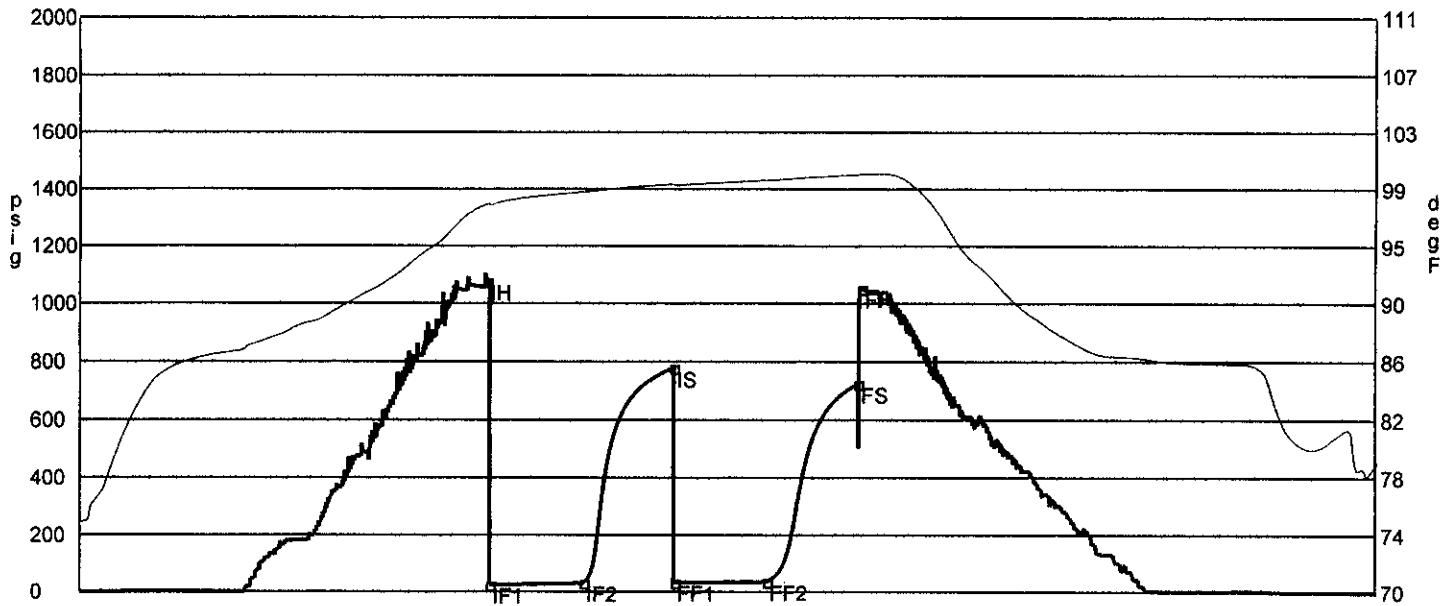
Start Date/Time **9/22/2010 10:30 AM**
 End Date/Time **9/22/2010 5:31 PM**

Blow Type **Weak surface blow dying to no blow 10 minutes into initial flow period. No blow final flow period. Times: 30, 30, 30, 30.**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
35	Drilling mud with trace oil	0% 0ft	trace	0% 0ft	100% 35ft
1	Oil cut mud in tool sample	0% 0ft	3% 0ft	0% 0ft	97% 1ft

DST Fluids **0**



	Date	Time	Pressure	Temp	
IH	9/22/2010 12:41:50 PM	2.197222	1075.745	97.573	Initial Hydro-static
IF1	9/22/2010 12:42:50 PM	2.213889	24.197	97.532	Initial Flow (1)
IF2	9/22/2010 1:13:20 PM	2.722222	31.352	98.466	Initial Flow (2)
IS	9/22/2010 1:42:40 PM	3.211111	778.087	99.043	Initial Shut-In
FF1	9/22/2010 1:43:00 PM	3.216667	33.271	98.959	Final Flow (1)
FF2	9/22/2010 2:13:10 PM	3.719444	35.845	99.313	Final Flow (2)
FS	9/22/2010 2:42:50 PM	4.213889	723.92	99.722	Final Shut-In
FH	9/22/2010 2:44:00 PM	4.233333	1051.492	99.771	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

Company **Range Oil Company, Inc.**
 Address **125 North Market Suite 1120**
 CSZ **Wichita, KS 67202**
 Attn. **Frank Mize**

Lease Name **Butler Laura**
 Lease # **1**
 Legal Desc **NE SW**
 Section **36**
 Township **24S**
 County **Butler**
 Drilling Cont **Summit Drilling #1**

Job Ticket **3096**
 Range **4E**
 State **KS**

Comments **Field: Wildcat**

GENERAL INFORMATION

Test # **2** Test Date **9/24/2010**
 Tester **Jimmy Ricketts**
 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 **56.0**
 Filtrate **9.4** Chlorides **800**

Drill Collar Len **318.0**
 Wght Pipe Len **0**

Formation **Hunton**
 Interval Top **2570.0** Bottom **2667.0**
 Anchor Len Below **97.0** Between **0**
 Total Depth **2667.0**

Blow Type **Weak blow building to 3" initial flow period. No blow building to 2" final flow period. Times: 30, 30, 60, 62.**

Chokes **3/4** Hole Size **7 7/8**
 Top Recorder # **13767**
 Mid Recorder #
 Bott Recorder # **w1023**

Mileage **68** Approved By
 Standby Time **3**
 Extra Equipmnt **Jars & Safety Joint**
 Time on Site **6:00 PM**
 Tool Picked Up **11:00 PM**
 Tool Layed Dwn **7:00 AM**

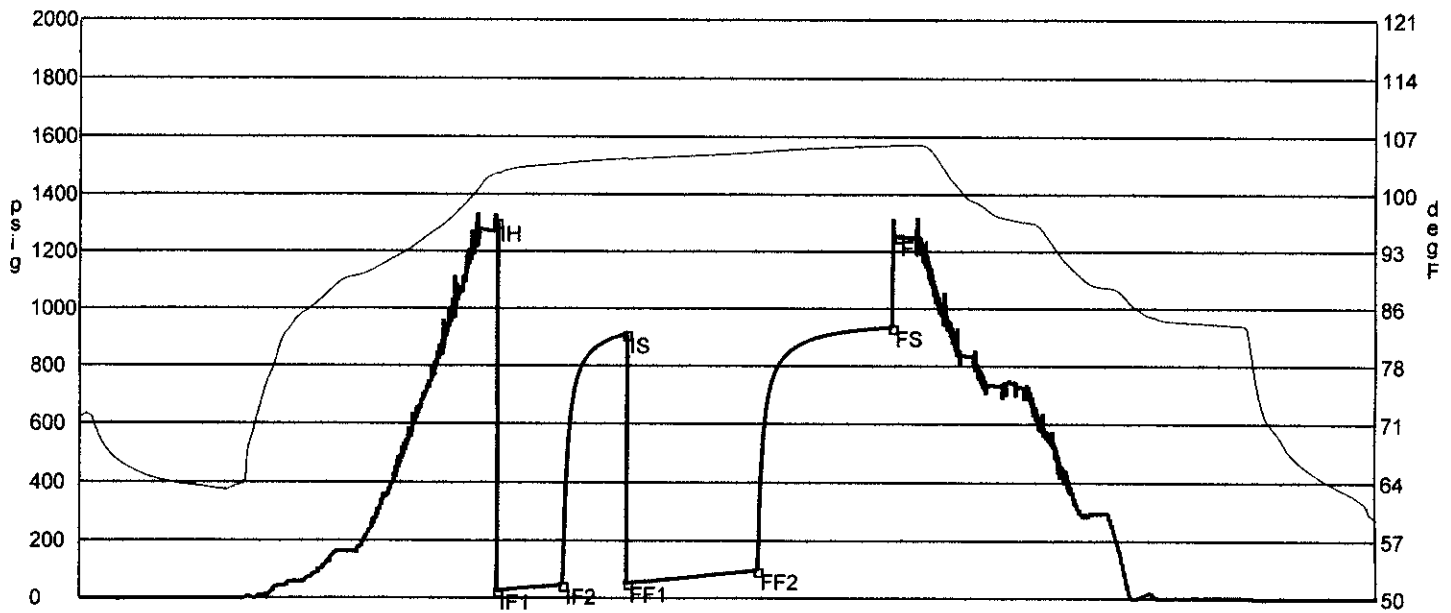
Elevation **1419.00** Kelley Bushings **1429.00**

Start Date/Time **9/23/2010 10:16 PM**
 End Date/Time **9/24/2010 8:12 AM**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
165	Drilling mud	0% 0ft	0% 0ft	0% 0ft	100% 165ft
1	Drilling mud in tool sample with trace oil	0% 0ft	trace	0% 0ft	100% 1ft

DST Fluids **0**



	Date	Time	Pressure	Temp	
IH	9/24/2010 1:27:20 AM	3.188889	1300.094	102.287	Initial Hydro-static
IF1	9/24/2010 1:28:00 AM	3.2	24.536	102.209	Initial Flow (1)
IF2	9/24/2010 1:58:00 AM	3.7	44.885	103.452	Initial Flow (2)
IS	9/24/2010 2:27:20 AM	4.188889	910.282	104.127	Initial Shut-In
FF1	9/24/2010 2:27:50 AM	4.197222	51.951	104.029	Final Flow (1)
FF2	9/24/2010 3:28:00 AM	5.2	96.471	104.904	Final Flow (2)
FS	9/24/2010 4:30:00 AM	6.233333	933.988	105.748	Final Shut-In
FH	9/24/2010 4:32:20 AM	6.272222	1250.997	105.789	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke