

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

8/31/13

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

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: Coffeyville Resources, LLC

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 #: \_\_\_\_\_  
6-13-11 6-22-11 7-21-11  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 035-24,424-0000  
Spot Description: \_\_\_\_\_  
W/2 SE NW Sec. 21 Twp. 34 S. R. 6  East  West  
1,980 Feet from  North /  South Line of Section  
1,650 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Cowley  
Lease Name: Page Well #: 1  
Field Name: \_\_\_\_\_  
Producing Formation: Mississippian  
Elevation: Ground: 1315 Kelly Bushing: 1325  
Total Depth: 3180' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 317 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.

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Drilling Fluid Management Plan AUG 31 2013  
(Data must be collected from the Reserve Pit) **KCC**  
Chloride content: 1000 ppm Fluid volume: 440 bbls  
Dewatering method used: evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: **KCC WICHITA**  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

RECEIVED  
SEP 01 2011

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  
Exploration Manager 8-31-11

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: 8/31/11 - 8/31/13
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution

ATI M 9-8-11

Operator Name: Range Oil Company, Inc. Lease Name: Page Well #: 1

Sec. 21 Twp. 34 S. R. 6  East  West County: Cowley

**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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
(Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No

Electric Log Submitted Electronically  Yes  No  
(If no, Submit Copy)

List All E. Logs Run:

DST (1) 2284' to 2313' 30-30-60-60 Rec: 90' oil spotted mud & 210' MCSW (67% water)  
IFP 48-88 ISIP 746 FFP 99-162 FSIP 767 T:101F  
DST (2) 3121' to 3136' 30-30-60-60 Rec: 465' GIP & 30' mud & 60' GOWCM (6% gas, 36% oil, 18% water) IFP 58-33 ISIP 637 FFP 52-51 FSIP 585 T:107F

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
latan	1776'	-451
Layton	2309'	-984
KC	2483'	-1158
Mississippian chert	3118'	-1793
Mississippian lime	3138'	-1813
RTD	3180	-1855

CASING RECORD  New  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	317'	common	160	3% CaCl
Production	7 7/8"	4 1/2"	10.5	3178'	Thick-set	125	
					60/40 Poz	125	

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				

RECEIVED

SEP 01 2011

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	3119' to 3129'	500 gallons (15% MCA)	3119-3129
		1250 gallon (15% FE-NE)	3119-3129

KCC WICHITA

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AUG 31 2013

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:
	2 3/8"	3110'		<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
	1.0		55		

KCC

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	3119' to 3129'



CONSOLIDATED ON WELL SERVICES, LLC

COPY ENTERED

TICKET NUMBER 30654  
LOCATION Eureka KS  
FOREMAN Shannon Feck

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

FIELD TICKET & TREATMENT REPORT  
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-14-11	6942	Page #1	21	345	6E	Cowley
CUSTOMER Range Oil Company Inc			Summit DRUG			
MAILING ADDRESS 125 N. market Ste 1120			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Wichita STATE KS ZIP CODE 67202			445	DAVE		
			611	Allen B		

JOB TYPE Surface <sup>0</sup> HOLE SIZE 12 1/4" HOLE DEPTH 326 CASING SIZE & WEIGHT 8 5/8" 24"  
 CASING DEPTH 320' DRILL PIPE - TUBING - OTHER -  
 SLURRY WEIGHT 14.0-14.5# SLURRY VOL 38 BBL WATER gal/sk 6.5 CEMENT LEFT in CASING 20'  
 DISPLACEMENT 19 BBL DISPLACEMENT PSI 300 MIX PSI 200 RATE 5 BPM

REMARKS: Rig up to 8 5/8" casing Break circulation with 10 BBL H2O, Run 5 BBL Dye water, mix 160 SKS Class "A" cement with 3% calcium, 2% gel & 1/4" Flo-cole/sk Shut down, release plug, Displace with 19 BBL H2O + shut well in, good circulation @ all times, 12 BBL slurry to pit. Job complete

Thanks Shannon & crew

JUN 24 2011

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	775.00	775.00
5406	70	MILEAGE	4.00	280.00
11045	160 SKS	Class "A" cement	14.25	2280.00
1102	452#	Calcium @ 3%	.70	316.40
1118B	301#	gel @ 2%	.20	60.20
1107	40#	Flocole @ 1/4#/sk	2.22	88.80
5407A	7.52 tons	Ton-mileage bulk truck	7.52	663.26
4432	1	8 3/4" wooden plug RECEIVED	80.00	80.00
4132	2	8 3/4" centralizers	69.00	138.00
				SEP 01 2011
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				KCC WICHITA
				AUG 31 2013
				KCC
			Sub total	4681.66
			68% SALES TAX	201.51
			ESTIMATED TOTAL	4883.17

Ravin 3737

242098

AUTHORIZATION Dan Cox TITLE DATE 6-14-11

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 31285  
LOCATION EUREKA  
FOREMAN KEVIN MCCOY

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

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-23-11	6942	Page # 1	21	34S	6E	Cowley
CUSTOMER			Summit Drly.			
RANGE OIL Company, Inc.			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			520	John S.		
125 N. MARKET Ste 1120			479	Joey K		
CITY	STATE	ZIP CODE	515	Chris B		
Wichita	Ks	67202	437	Jim M.		

JOB TYPE Longstring HOLE SIZE 7 7/8 HOLE DEPTH 3180' KB CASING SIZE & WEIGHT 4 1/2 10.5" New  
CASING DEPTH 3178' K.B. DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER PBTD 3174' KB  
SLURRY WEIGHT 13.6 # SLURRY VOL 72 BBL WATER gal/sk 7.0 - 9.0 CEMENT LEFT in CASING 4'  
DISPLACEMENT 51.0 BBL DISPLACEMENT PSI 800 MAX PSI 1300 Bump Plug RATE 5 BPM

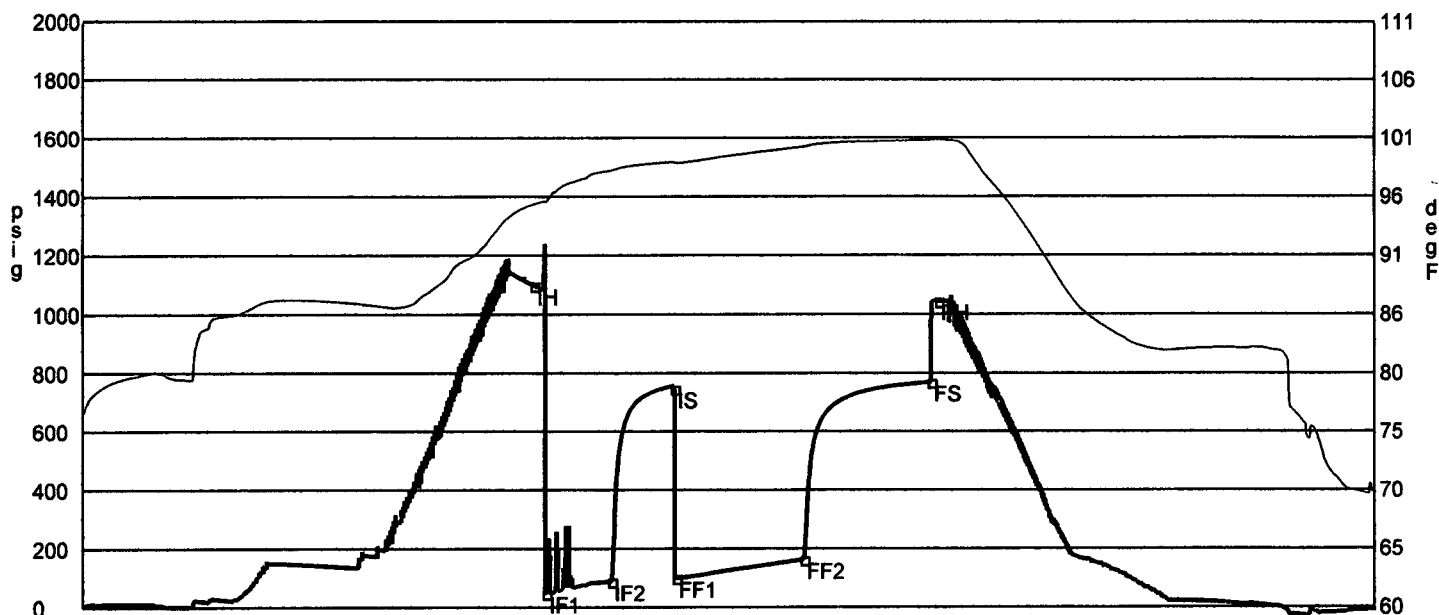
REMARKS: Safety Meeting: Rig up to 4 1/2 casing. Break Circulation w/ 5 BBL Fresh water. Pump 15 BBL Metasilicate Pre Flush, 5 BBL water Spacer. Mixed 125 SKS 60/40 Pozmix Cement w/ 4% Gel, 1% CACL2, 5" Kol-Seal /sk @ 13.6 #/gal, yield 1.48. TAIL IN w/ 125 SKS Thick Set Cement w/ 5" Kol-Seal /sk @ 13.6 #/gal, yield 1.75. wash out Pump & Lines. Shut down. Release Latch down Plug. Displace Plug to Seat w/ 51.0 BBL Fresh water. FINAL Pumping Pressure 800 PSI. Bump Plug to 1300 PSI. wait 2 minutes. Release Pressure. Float & Plug Held. Good Circulation @ ALL times while Cementing. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	975.00	975.00
5406	70	MILEAGE	4.00	280.00
1131	125 SKS	60/40 Pozmix Cement	11.95	1493.75
1118 B	430 #	Gel 4%	.20 #	86.00
1102	107 #	CACL2 1%	.70 #	74.90
1110 A	625 #	Kol-Seal 5 #/SK	.44 #	275.00
1126 A	125 SKS	THICK Set Cement	18.30	2287.50
1110 A	625 #	Kol-Seal 5 #/SK	.44 #	275.00
5407 A	12.25 TONS	70 Mils Bulk Delv.	1.26	1080.45
5502 c	5 HRS	80 BBL VAC TRUCK	90.00	450.00
1123	3000 GALS	City water	15.60/1000	46.80
1111 A	100 #	Metasilicate	1.90	190.00
4453	1	4 1/2 LATCH down Plug	232.00	232.00
4226	1	4 1/2 AFU INSERT	161.00	161.00
4129	10	4 1/2 x 7 7/8 Centralizers	42.00	420.00
			<b>KCC WICHITA</b>	
			Sub Total	8327.40
			SALES TAX	316.86
			ESTIMATED TOTAL	8704.21

Ravin 3737

AUTHORIZATION Dan By TITLE Toolpusher AUG 31 2013 DATE 6-23-11

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 irrevocable for services identified on this form



	Date	Time	Pressure	Temp	
IH	6/18/2011 11:36:00 PM	3.5	1098.167	95.027	Initial Hydro-static
IF1	6/18/2011 11:41:40 PM	3.594444	47.597	95.22	Initial Flow (1)
IF2	6/19/2011 12:12:10 AM	4.102778	87.823	97.932	Initial Flow (2)
IS	6/19/2011 12:41:40 AM	4.594444	745.533	98.692	Initial Shut-In
FF1	6/19/2011 12:42:20 AM	4.605556	99.418	98.614	Final Flow (1)
FF2	6/19/2011 1:42:10 AM	5.602778	162.043	100.016	Final Flow (2)
FS	6/19/2011 2:41:40 AM	6.594444	767.778	100.613	Final Shut-In
FH	6/19/2011 2:45:00 AM	6.65	1044.3	100.661	Final Hydro-static

**GAS FLOWS**

Min Into IFP   Min Into FFP   Gas Flows   Pressure   Choke

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

Lease Name **Page**  
 Lease # **1**  
 Legal Desc **W/2-SE-NW** Job Ticket **2156**  
 Section **21** Range **6E**  
 Township **34S**  
 County **Cowley** State **KS**  
 Drilling Cont **Summit Drilling Co. Rig #1**

Comments **Field: Estep North**

**GENERAL INFORMATION**

Test # **1** Test Date **6/19/2011**  
 Tester **Tim Venters**  
 Test Type **Conventional Bottom Hole**  
**Successful Test**  
 # of Packers **2.0** Packer Size **6 3/4**

Chokes **3/4** Hole Size **7 7/8**  
 Top Recorder # **W1119**  
 Mid Recorder # **W1022**  
 Bott Recorder # **13310**

Mud Type **Gel Chem**  
 Mud Weight **9.2** Viscosity **65.0**  
 Filtrate **9.6** Chlorides **800**

Mileage **200** Approved By  
 Standby Time **0**  
 Extra Equipmnt **Jars & Safety joint**  
 Time on Site **6:10 PM**  
 Tool Picked Up **9:05 PM**  
 Tool Layed Dwn **6:00 AM**

Drill Collar Len **364.0**  
 Wght Pipe Len **0**

Elevation **1315.00** Kelley Bushings **1325.00**

Formation **Layton SS**  
 Interval Top **2284.0** Bottom **2313.0**  
 Anchor Len Below **29.0** Between **0**  
 Total Depth **2313.0**

Start Date/Time **6/18/2011 8:06 PM**  
 End Date/Time **6/19/2011 6:10 AM**

Blow Type **Weak 1/4" blow at start of initial flow period, building to 10". Very weak surface blow at start of final flow period, building to 11". Times: 30, 30, 60, 60.**

**RECOVERY**

Feet	Description	Gas	Oil	Water	Mud
60	Mud with spots of oil	0% 0ft	trace	0% 0ft	100% 60ft
30	Mud	0% 0ft	0% 0ft	0% 0ft	100% 30ft
210	Mud cut water	0% 0ft	0% 0ft	67% 140.7ft	33% 69.3ft

DST Fluids **103000**

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

Lease Name **Page**  
 Lease # **1**  
 Legal Desc **W/2-SE-NW** Job Ticket **2156**  
 Section **21** Range **6E**  
 Township **34S**  
 County **Cowley** State **KS**  
 Drilling Cont **Summit Drilling Co. Rig #1**

Comments **Field: Estep North**

**GENERAL INFORMATION**

Test # **2** Test Date **6/22/2011**  
 Tester **Tim Venters**  
 Test Type **Conventional Bottom Hole Successful Test**  
 # of Packers **2.0** Packer Size **6 3/4**

Chokes **3/4** Hole Size **7 7/8**  
 Top Recorder # **W1119**  
 Mid Recorder # **W1022**  
 Bott Recorder # **13310**

Mud Type **Gel Chem**  
 Mud Weight **9.3** Viscosity **75.0**  
 Filtrate **8.4** Chlorides **800**

Mileage **60** Approved By  
 Standby Time **13.33**  
 Extra Equipmnt **Jars & Safety joint**  
 Time on Site **7:25 PM**  
 Tool Picked Up **9:10 PM**  
 Tool Layed Dwn **6:50 AM**

Drill Collar Len **364.0**  
 Wght Pipe Len **0**

Elevation **1315.00** Kelley Bushings **1325.00**

Formation **Mississippian**  
 Interval Top **3121.0** Bottom **3136.0**  
 Anchor Len Below **15.0** Between **0**  
 Total Depth **3136.0**

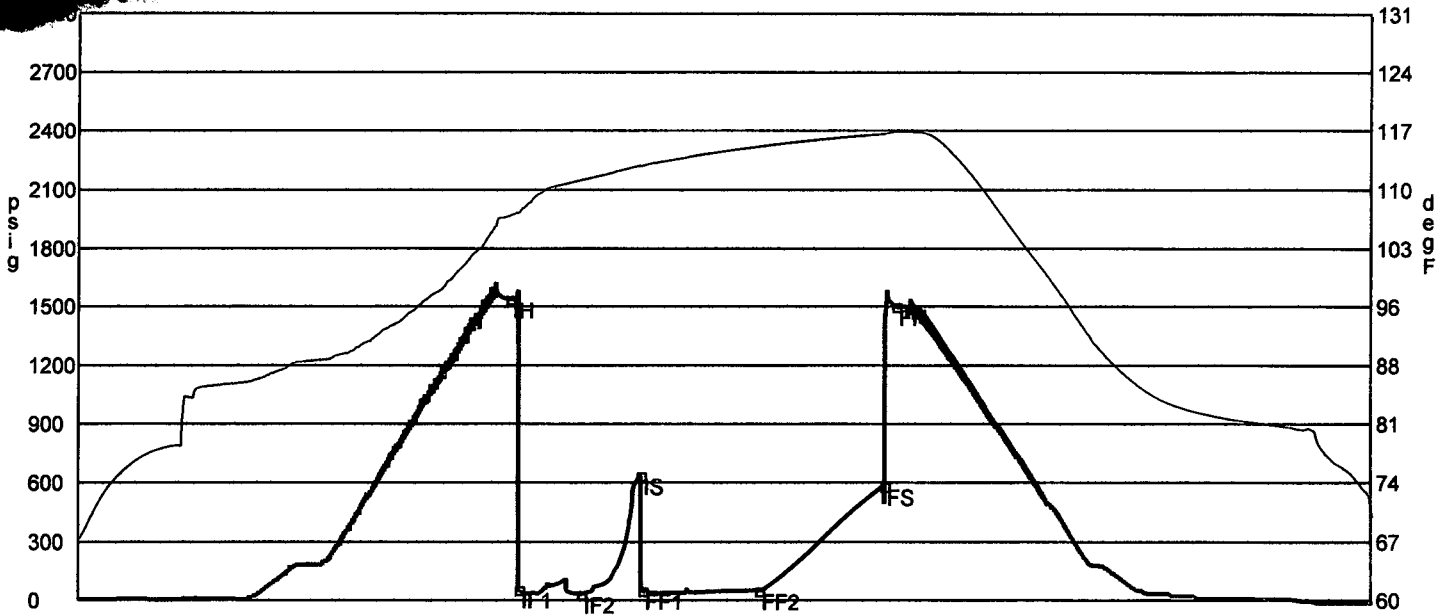
Start Date/Time **6/21/2011 8:14 PM**  
 End Date/Time **6/22/2011 6:56 AM**

Blow Type **Weak 1/4" blow at start of intial flow period, building to 3". Fairly strong 2" blow at start of final flow period, building, reaching bottom of bucket in 16 1/2 min. I had my 2" flow valve open about 1/8" and still blew off bottom. Times: 30, 30, 60, 60.**

**RECOVERY**

Feet	Description	Gas	Oil	Water	Mud
495	Gas in Pipe	100% 495ft	0% 0ft	0% 0ft	0% 0ft
30	Mud with a trace of oil	0% 0ft	trace	0% 0ft	100% 30ft
30	Gassy, oil and water cut mud	7% 2.1ft	28% 8.4ft	18% 5.4ft	47% 14.1ft
30	Gassy, water and mud cut oil	5% 1.5ft	45% 13.5ft	18% 5.4ft	32% 9.6ft

DST Fluids **33000**



	Date	Time	Pressure	Temp	
IH	6/21/2011 11:47:10 PM	3.552778	1539.13	106.569	Initial Hydro-static
IF1	6/21/2011 11:51:40 PM	3.627778	58.257	106.896	Initial Flow (1)
IF2	6/22/2011 12:22:40 AM	4.144444	32.928	110.86	Initial Flow (2)
IS	6/22/2011 12:52:10 AM	4.636111	637.528	112.574	Initial Shut-In
FF1	6/22/2011 12:53:10 AM	4.652778	51.881	112.533	Final Flow (1)
FF2	6/22/2011 1:51:00 AM	5.616667	50.684	114.878	Final Flow (2)
FS	6/22/2011 2:53:20 AM	6.655556	584.647	116.36	Final Shut-In
FH	6/22/2011 2:59:00 AM	6.75	1502.471	116.649	Final Hydro-static

**GAS FLOWS**

Min Into IFP   Min Into FFP   Gas Flows   Pressure   Choke