



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1209305
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1209305

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input 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

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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 <i>(Explain)</i> _____
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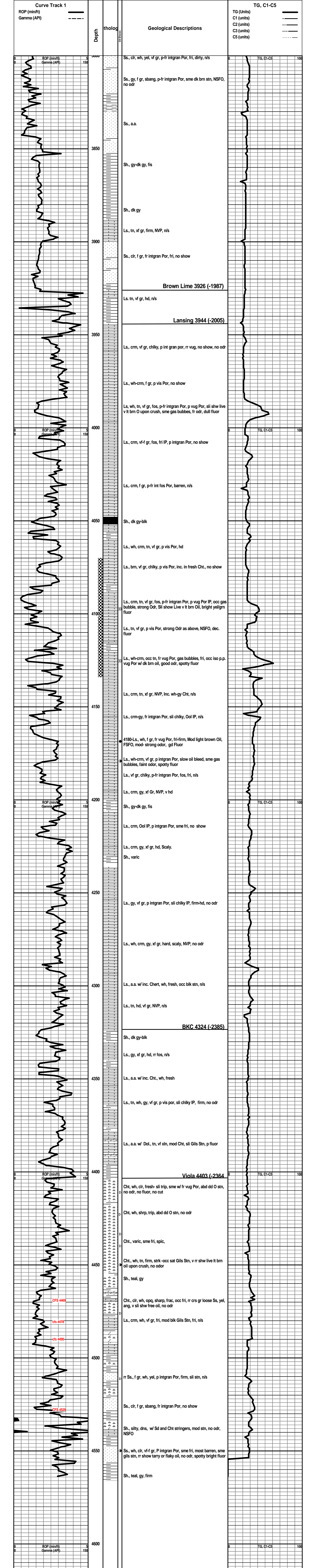
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	C-H Unit 1-25
Doc ID	1209305

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic



MORNING DRILLING REPORT				Fax to: Jim Waechter/Chris Gottschalk								
Sterling Drilling Company, Rig #4 Box 1006, Pratt, Kansas 67124-1006 Office Phone (620) 672-9508, Fax 672-9509			Wellsite Geologist: Sean Deenihan	# of Pages	1	Fax#	E-Mail out					
Rig #4 Phone Numbers (Dog House)			<i>IN USE</i>	<i>Toolpusher</i>	WELL NAME			C & H Unit #1-25				
					LOCATION			SW NW NE				
(620) 388-4192		Rig Cellular	Yes	Lanny	SEC	25	TWP	29s	RNG	14w	CO	Pratt
(620) 388-5995		Geologist Cellular	Yes	Saloga	Captiva Energy, LLC							
(620) 388-4193		Tool Pusher Cellular	Yes	Home Phone	445 Union Blvd, Ste #208							
(620) 672-9508 Fax 9509		Sterling Shop Phone/Fax	Yes	(620)672-6062	Lakewood, CO 80228							
					ELEVATION	G.L.	1930	K.B.	1939	API#	15-151-22362-0000	

Central Kansas Survey & Mapping staked location November 16, 2010. Langfeld Dirt. Built location Nov 24th. KCC inspected location on 24th. Hit sand & gravel at 3 feet from GL. Required to use steel working pit and to put reserve pit on top of hill about 200' away. Will use Monster pump to move fluids to the reserve pit. On 11/29 Kelly's Water Well drilled a 178' deep water well. Water level at 80', set pump at 140'. **Sterling made spud call to KCC on 11/29/10 (Jerry Stapleton)**. Curts Trash Service providing trash trailer & portable toilets. Sunrise will deliver 300' of 13-3/8" casing. Must haul off free fluids after Salt

Day

Date: 11/29/10 **Monday**

Moving off Rice Sumner County location at 7 am. Long move.

Day

Date: 11/30/10 **Tuesday**

Rig maintenance.

Day

Date: 12/01/10 **Wednesday**

Getting ready to drill rathole at 7 am. Spent Tuesday removing 27" rotary table, installing 17-1/2" rotary table and replacing torque converter on drawworks.

Day

Date: 12/02/10 **Thursday**

Spud in at 9:45 am Survey at 315' = 3/4 degree

WOC at 260' at 7:00 am. Drilled 260' in 24 hours.

Ran 2.00 hours, down 22.00 hours (8.00 Move/Rig up, 1.00 Set rathole, 1.25 Jet/Connections, .75 Circulate/Short trip to bit, .75 CCH/Trip out, 3.00 Run/Cement 13-3/8" casing, 6.75 WOC).

Mud Properties: Spud Mud -Vis 48, Wt. 9.8, LCM 6#; Wt. on Bit 3-12,000, 140 RPM, Pump Pressure 500, SPM 60.

Surface Bit: 17-1/2" RT (JZ GJT-1), SN#E13143, (4-15's), made 315' in 5.75 hours. (55 FPH).

Surface Casing:

Spud at 9:45 am on 12/01/10. Drilled 17-1/2" hole to 315'. Ran 7 joints of new 48#, 13-3/8" casing. Tallied 302.99', set at 314' KB. Cemented with 400 sks 60/40 Poz, 2% Gel, 3% CC & 1/4# CF. Cement did circulate. Plug down at 12:00 am on 12/02/10 by Quality Cementing, ticket # 5050.

Welded straps on bottom 3 joints, welded next 3 collars.

Day

Date: 12/03/10 **Friday**

Drilling at 1752' at 7:00 am. Drilled 1437' in 24 hours.

Ran 15.25 hours, down 8.75 hours (3.00 WOC, .25 Drill plug, .50 Rig check, 4.00 Jet/Connections, 1.00 Repairs).

Mud Properties: Water; Wt. 9.5, Vis 28; WOB 10-24,000, RPM 90-110, Pump PSI 875, SPM 60.

Bit No. 1: New 7-7/8" JZ QX20J, **SNH07921**, (3-15's), in at 315', drilled 1,437' in 15.25 hours

< Last 24-ROP- 7-7/8"

Cum Mud \$

Day

Date: 12/04/10 **Saturday**

MORNING DRILLING REPORT**Sterling Drilling Company, Rig #4**Box 1006, Pratt, Kansas 67124-1006
Office Phone (620) 672-9508, Fax 672-9509Wellsite Geologist:
Sean Deenihan**Rig #4 Phone Numbers (Dog House)***IN USE Toolpusher*

(620) 388-4192	Rig Cellular	Yes	Lanny
(620) 388-5995	Geologist Cellular	Yes	Saloga
(620) 388-4193	Tool Pusher Cellular	Yes	Home Phone
(620) 672-9508 Fax 9509	Sterling Shop Phone/Fax	Yes	(620)672-6062

Fax to: Jim Waechter/Chris Gottschalk

of Pages 1 Fax# E-Mail out

WELL NAME C & H Unit #1-25**LOCATION SW NW NE****SEC 25 TWP 29s RNG 14w CO Pratt****Captiva Energy, LLC
445 Union Blvd, Ste #208
Lakewood, CO 80228****ELEVATION G.L. 1930 K.B. 1939 API# 15-151-22362-0000**

Drilling at 2760' at 7:00 am. Drilled 1,008' in 24 hours.

Ran 19.25 hours, down 4.75 hours (.75 Rig check, 3.50 Jet/connections, .50 Repairs).

Mud Properties: Wt. 9.7, Vis. 28, LCM 0#; WOB 35,000, RPM 80-100, Pump Pressure 975, SPM 60.

Bit No. 1: New 7-7/8" JZ QX20J, **SNH07921**, (3-15's), in at 315', drilled 2,445' in 34.50 hours **52** < Last 24-ROP- 7-7/8" **71**

Cum Mud \$ \$3,292

Day 5 Date: 12/05/10 Sunday Displaced at 3343'

Drilling at 3550' at 7:00 am. Drilled 790' in 24 hours.

Ran 19.00 hours, down 5.00 hours (1.00 Rig check, 2.50 Jet/Connections, .75 Repairs, .75 Displace).

Mud Properties: Chemical Mud: Wt. 8.9, Vis. 47; WOB 35,000, RPM 75-90, Pump PSI 950, SPM 60.

Bit No. 1: New 7-7/8" JZ QX20J, **SNH07921**, (3-15's), in at 315', drilled 3,235' in 53.5 **42** < Last 24-ROP- 7-7/8" **60**

Cum Mud \$ \$5,872

Day 6 Date: 12/06/10 Monday

Drilling at 4107' at 7:00 am. Drilled 557' in 24 hours.

Ran 18.50 hours, down 5.50 hours (.75 Rig check, 2.25 Jet/Conn, .50 Repairs, 1.00 CFS at 4004', 1.00 CFS at 4107').

Mud Properties: Chemical Mud: Wt. 9.4, Vis. 50, PV/YP 12/12, WL 9.2, pH 10.0, Chl. 2,000, LCM 0#; WOB 35,000, 70-90 RPM, Pump PSI 1000, SPM 60.

Bit No. 1: New 7-7/8" JZ QX20J, in at 315', drilled 3,792' in 72.00 hours. **30** < Last 24-ROP- 7-7/8" **53**

Cum Mud \$ \$7,942

Day 7 Date: 12/07/10 Tuesday DST #1 (4070' - 4134'). Survey at 4134' = 1/2 degree.

CFS at 4190' at 7:00 am. Drilled 83' in 24 hours.

Ran 3.25 hours, down 20.75 hours (.50 Rig check, .50 Jet & Conn, 1.25 CFS at 4134', 1.50 S-trip 15 stds, 1.50 CTCH, 3.50 DST #1, 11.75 Tripping, .25 CFS at 4190').

Mud Properties: Chemical/Pac; Wt. 9.2, Vis 46, PV/YP 14/32, WL 10.8, pH 9.5, Chl. 3,000, LCM 0#; WOB 35-38,000, RPM 70-90, Pump Pressure 1000, SPM 60.

Bit No. 1: New 7-7/8" JZ QX20J, in at 315', drilled 3,875' in 75.25 hours. **26** < Last 24-ROP- 7-7/8" **51**

Cum Mud \$ \$9,015

Day 8 Date: 12/08/10 Wednesday High Sierra Hauled off 320 bbl free fluids from reserve pit 12/7

Drilling at 4560' at 7:00 am. Drilled 370' in 24 hours.

Ran 17.25 hours, down 6.75 hours (.25 CFS at 4190', 1.00 Rig check, 1.25 Jet/Conn, 1.25 CFS at 4469', .500 CFS at 4478', 1.25 CFS at 4490', 1.25 CFS at 4529').

Mud Properties: Chemical Mud: Wt. 9.4, Vis. 50, PV/YP 12/12, WL 9.2, pH 10.0, Chl. 2,000, LCM 0#; WOB 35,000, 70-90 RPM, Pump PSI 900, SPM 56.

Bit No. 1: New 7-7/8" JZ QX20J, in at 315', drilled 4,245' in 92.50 hours. **21** < Last 24-ROP- 7-7/8" **46**

Cum Mud \$ \$9,616

Day 9 Date: 12/09/10 Thursday RTD = 4655'. Survey at 4655' = 3/4 degree. LTD = 4659'.

LDDP and plugging at 4655' at 7:00 am. Drilled 95' in 24 hours.

Ran 6.00 hours, down 18.00 hours (.50 Rig check, 1.00 CFS at 4655', 1.00 Short trip, 1.75 CTCH, 3.00 Logging, 1.00 Pull BOP, 1.25 WOO, 5.25 Tripping, 3.25 LDDP).

Mud Properties: Chemical Mud: Wt. 9.3, Vis. 48, PV/YP 14/14, WL 9.6, pH 10.0, Chl. 4,000, LCM 3#; WOB 38-40,000, RPM 65, Pump Pressure 925, SPM 56.

Bit No. 1: New 7-7/8" JZ QX20J, in at 315', drilled 4,340' in 98.50 hours. **16** < Last 24-ROP- 7-7/8" **44**

Cum Mud \$ \$9,616

Day 10 Date: 12/10/10 Friday

Moving off location at 7:00 am. Drilled 0' in 24 hours.

MORNING DRILLING REPORT				Fax to: Jim Waechter/Chris Gottschalk			
Sterling Drilling Company, Rig #4 Box 1006, Pratt, Kansas 67124-1006 Office Phone (620) 672-9508, Fax 672-9509		Wellsite Geologist: Sean Deenihan		# of Pages	1	Fax#	E-Mail out
Rig #4 Phone Numbers (Dog House)		<i>IN USE</i>	<i>Toolpusher</i>	WELL NAME C & H Unit #1-25			
(620) 388-4192	Rig Cellular	Yes	Lanny	LOCATION SW NW NE			
(620) 388-5995	Geologist Cellular	Yes	Saloga	SEC	25	TWP	29s
(620) 388-4193	Tool Pusher Cellular	Yes	Home Phone	RNG	14w	CO	Pratt
(620) 672-9508 Fax 9509	Sterling Shop Phone/Fax	Yes	(620)672-6062	Captiva Energy, LLC 445 Union Blvd, Ste #208 Lakewood, CO 80228			
				ELEVATION	G.L.	1930	K.B.
						1939	API# 15-151-22362-0000

Ran 0.00 hours, down 24.00 hours (1.75 LDDP, 1.50 Plugging, 2.50 Jet & clean steel pits, 5.25 Tear down, 13.00 Drywatch).

Plugging Data:

Drilled 7-7/8" hole to 4655'. Heavy mud in hole. First plug (Arbuckle) at 4594' w/ 50 sks, 2nd plug at 750 w/50sks, 3rd plug at 330' w/ 75 sks, top plug at 60' w/ 40 sks. Plugged RH w/ 30 sks, MH w/20 sks. Cement is 60/40 POZ, 4% Gel. Plugging complete at 10:15 am on 12/09/10. Quality Cementing ticket #5112. Received plugging orders on 12/09/100 (Jerry Stapleton).

Company	Captiva Energy, LLC	Lease Name	C-H Unit	
Address	445 Union Blvd. Ste. #208	Lease #	1-25	
CSZ	Lakewood, CO 80228	Legal Desc	See Comments	Job Ticket 2131
Attn.	Sean Deenihan	Section	25	Range 14W
		Township	29S	
		County	Pratt	State KS
		Drilling Cont	Sterling Drilling Co. Rig #4	

Comments **Legal Description: 788' FNL & 2285' FEL**

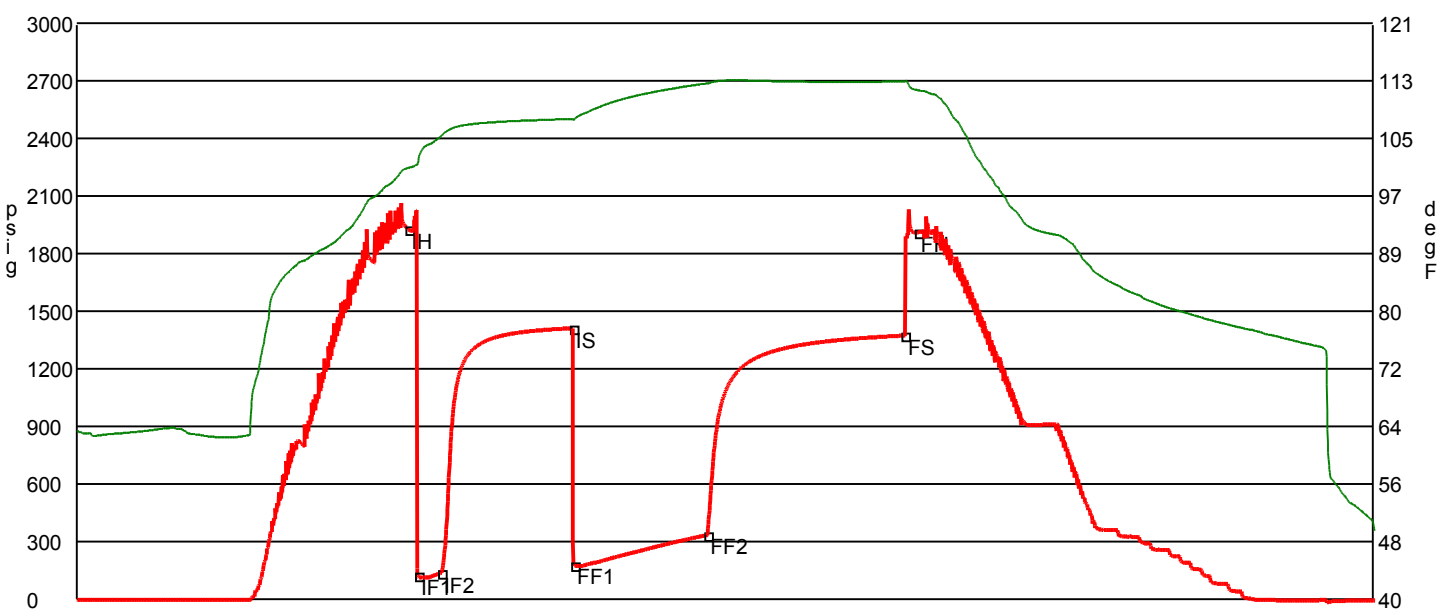
GENERAL INFORMATION

Test # 1	Test Date	12/7/2010	Chokes	3/4	Hole Size	7 7/8
Tester	Tim Venters		Top Recorder #	W1119		
Test Type	Conventional Bottom Hole		Mid Recorder #	W1022		
	Successful Test		Bott Recorder #	13310		
# of Packers	2.0	Packer Size	6 3/4	Mileage	36	Approved By
				Standby Time	0	
Mud Type	Gel Chem			Extra Equipmnt	Jars & Safety joint	
Mud Weight	9.4	Viscosity	50.0	Time on Site	12:30 PM	
Filtrate	10.8	Chlorides	3000	Tool Picked Up	3:55 PM	
				Tool Layed Dwn	12:40 AM	
Drill Collar Len	218.0			Elevation	1934.00	Kelley Bushings 1943.00
Wght Pipe Len	0					
Formation	Lansing			Start Date/Time	12/6/2010 2:57 PM	
Interval Top	4070.0	Bottom	4134.0	End Date/Time	12/7/2010 12:43 AM	
Anchor Len Below	64.0	Between	0			
Total Depth	4134.0					
Blow Type	Fairly strong 2 inch blow at the start of the initial flow period, building, reaching the bottom of the bucket in 1 1/2 minutes. Weak surface blow back during the initial shut-in period. Strong 6 inch blow at the start of the final flow period, building, reaching the bottom of the bucket in 3 minutes. Weak surface blow back 1 minute after we bled line off (20 min.) building, reaching the bottom of the bucket in 14 minutes. Times: 10, 60, 60, 90.					

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
1815	Gas in Pipe	100% 1815ft	0% 0ft	0% 0ft	0% 0ft
105	Gassy, very slight oil cut mud	3% 3.2ft	2% 2.1ft	0% 0ft	95% 99.8ft
65	Gassy, slight oil, very heavy water cut mud	14% 9.1ft	10% 6.5ft	29% 18.8ft	47% 30.6ft
125	Gassy, slight oil, heavy mud cut water	13% 16.2ft	10% 12.5ft	50% 62.5ft	27% 33.8ft
65	Very gassy, very slight oil, slight mud cut water	45% 29.2ft	3% 2ft	39% 25.4ft	13% 8.4ft
255	Gassy, very slight oil, slight mud cut water	10% 25.5ft	7% 17.8ft	66% 168.3ft	17% 43.4ft
125	Very slight oil, very slight mud cut water	0% 0ft	1% 1.2ft	87% 108.8ft	12% 15ft

DST Fluids **108000**



	Date	Time	Pressure	Temp	
IH	12/6/2010 5:25:50 PM	2.480556	1928.125	100.695	Initial Hydro-static
IF1	12/6/2010 5:30:20 PM	2.555556	125.011	101.334	Initial Flow (1)
IF2	12/6/2010 5:40:50 PM	2.730556	137.995	105.178	Initial Flow (2)
IS	12/6/2010 6:40:20 PM	3.722222	1412.056	107.579	Initial Shut-In
FF1	12/6/2010 6:41:00 PM	3.733333	178.336	107.468	Final Flow (1)
FF2	12/6/2010 7:41:20 PM	4.738889	336.323	112.571	Final Flow (2)
FS	12/6/2010 9:10:40 PM	6.227778	1374.763	112.851	Final Shut-In
FH	12/6/2010 9:16:30 PM	6.325	1913.09	111.604	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke