

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 445 Union Blvd, Ste #208 Lakewood, CO 80228							
(620) 388-4193		Tool Pusher Cellular	Yes	Home Phone	ELEVATION	G.L.	1930	K.B.	1939	API#	15-151-22362-0000	
(620) 672-9508 Fax 9509		Sterling Shop Phone/Fax	Yes	(620)672-6062								

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**

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Sean Deenihan**Rig #4 Phone Numbers (Dog House)****IN USE Toolpusher**

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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.

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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).