ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33712
Name: Clark Energy LLC
Address: 1198 Road 31
City/State/Zip: Havana , KS 67347
Purchaser: Quest Energy Services
Operator Contact Person: Randy Clark
Phone: (620) 330-2110
Contractor: Name: ~~Thorton Drilling~~ McKat
License: 5831
Wellsite Geologist: Julie Schafer

Designate Type of Completion:
✓ New Well ____ Re-Entry ____ Workover
____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
✓ Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator: N/A
Well Name: N/A
Original Comp. Date: ____ Original Total Depth: ____
____ Deepening ____ Re-perf. ____ Conv. to Enhr./SWD
____ Plug Back ____ Plug Back Total Depth
____ Commingled Docket No. ____
____ Dual Completion Docket No. ____
____ Other (SWD or Enhr.?) Docket No. ____

11-9-07	11-10-07	1-5-08
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31456-00-00
County: Montgomery
SE - NE - NW - SW Sec. 14 Twp. 33 S. R. 13 ✓ East ☐ West
2035 feet from (S) / N (circle one) Line of Section
4295 feet from (E) / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Blake Well #: 14-1
Field Name: Sorghum Hollow
Producing Formation: Mulky
Elevation: Ground: 885 Kelly Bushing: N/A
Total Depth: 1638 Plug Back Total Depth: N/A
Amount of Surface Pipe Set and Cemented at 42 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ✓ No
If yes, show depth set N/A Feet
If Alternate II completion, cement circulated from 1638
feet depth to Surface w/ 170 sx cmt.
Alt 2 - Dlg - 2/2/09

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content Air drill ppm Fluid volume N/A bbls
Dewatering method used Air dry
Location of fluid disposal if hauled offsite:
Operator Name: ____
Lease Name: ____ License No.: ____
Quarter ____ Sec. ____ Twp. ____ S. R. ____ ☐ East ☐ West
County: ____ Docket No.: ____

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: Randy W. Clark
Title: Mgr. Date: 3-4-08
Subscribed and sworn to before me this 4th day of March,
20 08.
Notary Public: Jennifer Monday, CSR
Date Commission Expires: 2/24/09

NOTARY PUBLIC - State of Kansas
JENNIFER MONDAY
My Appt. Expires 2/24/09

KCC Office Use ONLY
N Letter of Confidentiality Received
If Denied, Yes ☐ Date: ____
✓ Wireline Log Received
____ Geologist Report Received
____ UIC Distribution

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MAR 05 2008
CONSERVATION DIVISION
WICHITA, KS

Side Two

Operator Name: Clark Energy LLC Lease Name: Blake Well #: 14-1

Sec. 14 Twp. 33 S. R. 13 ☑ East ☐ West County: Montgomery

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No
(Submit Copy)

List All E. Logs Run:

Density, Dual Induction, G/N

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Lenapah Limestone	840	+45
Altamont Limestone	899	-14
Oswego Limestone	144	-259
Mississippi	1581	-691

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
Casing	6.75	4.5	10.5	1632	Thick Set	170	Phenoseal and
							Gilsonite

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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
2	1210-1216	300 gal acid, 10000lbs sand, 500 bbl water	1210-1216

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	1205	N/A	☐ Yes ☑ No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
1-13-08	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		20	70		

Disposition of Gas METHOD OF COMPLETION Production Interval

☐ Vented ☑ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

☐ Open Hole ☑ Perf. ☐ Dually Comp. ☐ Commingled

☐ Other *(Specify)*

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0-417'	Samples not examined
417-463'	Shale, medium-light gray, silty
463-468'	Limestone
468-516'	Layton Sandstone, light gray, fine grained, well sorted, 18-20+% porosity, micaceous, no petroliferous odor/show, no fluorescence, no gas bubbles observed under microscope at time drilled
516-522'	Shale, medium gray
522-524'	Coal, vitreous, coal has been canistered numerous times and does not result in good gas volumes
524-526'	Shale, medium gray
526-544'	Layton Sandstone, light gray, fine grained, well sorted, tightly packed quartz, micaceous, 8-12% porosity, no petroliferous odor/show, no fluorescence, no gas bubbles observed under microscope at time drilled
544-577'	Shale, medium gray, silty
577-583'	Limestone, light brown/tan, rough texture, fine grained, locally medium crystalline, very fossiliferous
583-600'	Sandstone, medium gray, silty, poor porosity, trashy, interbedded with shale, no petroliferous odor/show
600-700'	Shale, medium gray, silty in places

Gas check @ 617' – no flow

Top of the Drum Limestone @ 700' (+185')

700-712'	Limestone, off-white, medium-fine grained, rough texture, fossiliferous
712-721'	Shale, dark gray
721-728'	Shale, grayish-black
728-732'	Hushpuckney Shale, black, no gas bubbles observed under microscope at time drilled

Canister #21 @ 9:10 a.m. – Hushpuckney Shale, 728-732'

732-738'	Limestone, tan/very light gray, hard, medium-fine grained, rough texture, fossiliferous

Gas check @ 736' – slight blow

738-791'	Shale, medium gray, lime streaks
791-797'	Limestone, dark brownish-black, medium-fine grained, rough texture

797-799' South Mound Shale, black, no as bubbles observed under microscope at time drilled

Canister #3 @ 11:25 a.m. – South Mound Shale, 797-799'

799-838¾' Shale, medium gray, lime streaks

Gas check @ 811' – 1# on ¼" choke = 9 mcf/day (all from the South Mound Shale)

838¾-839¼' Holdenville Shale, grayish-black, pyritic

839¼-840' Shale, medium-dark gray

Top of the Lenapah Limestone @ 840' (+45')

840-852' Limestone, tan/off-white, fine grained, smooth texture, fossiliferous

852-855' Shale, greenish-gray

855-876' Wayside Sandstone, light gray, silty/limey, 12-14% porosity, no petroliferous odor/show, 10% mottled dull yellow fluorescence

876-899' Shale, medium gray

Top of the Altamont Limestone @ 899' (-14')

899-916' Limestone, tan, fine grained, smooth texture, shale break from 910-911½'

916-926½' Shale, dark gray

926½-931½' Limestone, medium brown, medium-fine grained, rough texture

931½-933' Shale, medium gray

933-970' Weiser Sandstone, light gray, fine grained, well sorted, 12-16% porosity, no petroliferous odor/show, no fluorescence; from 956-970' sandstone had pale brown oil staining, 18-20% porosity, no oil show, strong petroliferous odor, 25% solid medium-bright green oil fluorescence

Gas check @ 962' – 3.5# on ¼" choke = 17 mcf/day (8 mcf/day from the Weiser Sandstone)

970-1046' Sandy-shale, medium gray, silty to shaley at 1020'

Top of the Pawnee Limestone @ 1046' (-161')

1046-1065' Limestone, light brownish-gray, pinkish tint, fine grained, smooth texture

1065-1069' Shale, dark gray/grayish-black

1069-1070½' Lexington Shale, grayish-black/black, carbonaceous

1070½-1075' Shale, medium-light gray

1075-1088' Shale, medium gray

Gas check @ 1087' – 2# on ¼" choke = 13 mcf/day

1088-1128' Peru Sandstone, medium gray, silty, 14-16% porosity, no petroliferous odor/show

1128-1144' Shale, medium gray, silty/sandy

Top of the Oswego Limestone @ 1144' (-259')

1144-1177' Limestone, light grayish-tan/off-white, fine grained, rough texture; from 1173-1174', light olive-gray, fine grained, locally medium crystalline, <3-5% pinhead vuggy porosity, pale brown oil staining, petroliferous odor, no oil show, 30% mottled bright greenish-yellow oil fluorescence

1177-1181' Shale, dark gray

1181-1183½' Summit Shale, black, carbonaceous

Canister #8 @ 3:00 p.m. – Summit Shale, 1181-1183½'

1183½-1187' Shale, medium grayish-green

Gas check @ 1187' – Gas check same as previous reading (13 mcf/day)

1187-1210' Limestone, tan, fine grained, rough texture; from 1204-1206', medium gray, very fine grained, locally medium crystalline, pale brown oil staining, no visible porosity, petroliferous odor, no oil show, 50% solid light greenish-yellow oil fluorescence

1210-1212' Shale, dark gray

1212-1215' Mulky Shale, black, carbonaceous

Canister #33 @ 3:20 p.m. – Mulky Shale, 1212-1215'

Gas check @ 1215' – slight blow

1215-1216' Shale, medium-light gray

1216-1227' Limestone, tan, fine grained, rough texture

1227-1233' Shale, medium-dark gray

1233-1234' Bevier Coal

1234-1251' Shale, medium gray

11/10/07

Top of the Verdigris Limestone @ 1251' (-366')

1251-1253' Limestone, dark brownish-gray, hard, fine grained, locally medium crystalline, rough texture

1253-1253½' Shale, dark gray

1253½-1255½' Croweburg Shale, black

1255½-1256' Croweburg Coal

1256-1266' Shale, medium-light gray

1266-1284' Upper Cattleman Sandstone, light gray, poor porosity, no petroliferous odor/show

1284-1298¾' Shale, medium gray, silty

Gas check @ 1287' – 7# on ¼" choke = 25 mcf/day (all from the Croweburg Shale & Coal)

1298¾'-1300' Fleming Coal, alternating thick and thin bands of vitrain coal, thin wire-like pyrite strands throughout bands, glassy-reflective luster, 5% flat joint faces

1300-1323' Shale, medium gray

1323-1332' Cattleman Sandstone, light gray, 16-18% porosity, micaceous, no petroliferous odor/show

1332-1346' Shale, medium-light gray

1346-1347' Tebo Shale, black, slightly carbonaceous

1347-1347¼' Shale, grayish-black

1347¼-1347½' Tebo Coal, thin and thick bright banding with thin disseminated gold pyrite layers, bright, satiny luster, 75% flat cleat faces

Canister #19 @ 8:25 a.m. – Tebo Shale & Coal, 1346-1347½'

1347½-1400' Shale, medium gray, lime streaks

Gas check @ 1363' – 10# on ¼" choke = 31 mcf/day (6 mcf/day from the Tebo Shale & Coal)

1400-1426¾' Sandy-shale, laminated

1426¾-1427' Coal, very thin, <3"

1427-1435' Shale, dark gray

1435-1435¼' Coal, very thin, <3"

1435¼-1466' Shale, dark gray, lime streaks

1466-1498' Shale, light gray, soft

Gas check @ 1488' – 5.5# on ¼" choke = 22 mcf/day

1498-1579' Shale, dark gray

1579-1579¾' Riverton Shale, very carbonaceous, abundant coal micro-strands

1579¾-1580' Riverton Coal, vitreous bands with large gold disseminated pyrite bunches and thick calcite layers, glassy luster

1580-1581' Shale, dark gray

Top of the Mississippi @ 1581' (-691')

1581-1592' Limestone (75%), light olive gray, medium-fine grained, granular, black oil staining, overall <2% pinpoint porosity, up to 10% pinpoint and pinhead vuggy porosity on individual pieces; Chert (25%), white, "Cotton Rock", chalky and siliceous, strong petroliferous odor, no oil show, 20% mottled bright yellow oil fluorescence

Gas check @ 1588' – 7# on ¼" choke = 25 mcf/day (3 mcf/day from the Mississippi)

1592-1617' Limestone, white, fine grained, chalky appearance, overall <3% porosity, some individual pieces 5-7% vuggy porosity, pale brown oil staining, faint odor, no petroliferous show, 100% solid medium-bright oil fluorescence

1617-1638' Limestone (80%), white, fine grained, chalky appearance, overall <3% porosity; Limestone (20%), pale yellowish-brown oil stained, silty/sandy, granular appearance, 12+% intercrystalline porosity, no petroliferous odor/show, 805 solid bright yellow oil fluorescence

Gas check @ 1638' – Gas check same as previous reading (25 mcf/day)

T.D. @ 1638'

Julie Shaffer
Petroleum Geologist

CONSOLIDATED OIL WELL SERVICES, INC.
P.O. BOX 884, CHANUTE, KS 66720
620-431-9210 OR 800-467-8676

TICKET NUMBER 11289
LOCATION Bartlesville
FOREMAN Coop

TREATMENT REPORT & FIELD TICKET
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-11-07	2781	Blake #14-1				CQ

CUSTOMER: Randy Clark Clark Energy
MAILING ADDRESS:
CITY | STATE | ZIP CODE:

TRUCK #	DRIVER	TRUCK #	DRIVER
418	Bell		
518	Sean Mc.		
417 Till	Luke		
428	Joe		

JOB TYPE L.S. HOLE SIZE 6 3/4 HOLE DEPTH _____ CASING SIZE & WEIGHT 4½
CASING DEPTH 1635 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING -0-
DISPLACEMENT 26 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Pumped 3bbl gel ahead Est circulation pumped 120sks cement Flushed pump & lines displaced plug to bottom set shoe shut in.
- Circulated cement to Surface -

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		840.00
5406	40	MILEAGE		132.00
5402	1635	Footage		294.30
5407	1	Bulk Truck		285.00
5501C	4 hr	Transport		400.00
5502C	4 hr	80 Vac		360.00
1126A	120sks	OWC cement		2618.00
1107A	120#	Phenoseal		126.00
1110	850#	Gilsonite		408.00
1118B	150#	Gel		22.50
1123	6200 gl	City Water		85.56
4404	1	4½ Rubber Plug		40.00
			Total	5811.36
			Discount	349.13
			SALES TAX	202.41
			ESTIMATED TOTAL	$5420.31

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WICHITA, KS

Randy Clark

218283

AUTHORIZATION _____ TITLE _____ DATE _____