Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1218636

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 # 33605
Name: Joe Gerstner Oil, LLC
Address 1: PO BOX 509
Address 2:
City: NESS CITY State: KS Zip: 67560 + ____
Contact Person: Debra Stenzel
Phone: (785) 798-2893
CONTRACTOR: License # 5123
Name: Pickrell Drilling Company, Inc.
Wellsite Geologist: Andrew Stenzel
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 #:

04/08/2014	04/16/2014	04/16/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25759-00-00
Spot Description:
NW NE SE SE Sec. 22 Twp. 16 S. R. 26 ☐ East ☑ West
1003 Feet from ☐ North / ☑ South Line of Section
379 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Ness
Lease Name: Casper Well #: 1
Field Name:
Producing Formation: NA
Elevation: Ground: 2629 Kelly Bushing: 2633
Total Vertical Depth: 4670 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 218 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: 28000 ppm Fluid volume: 800 bbls
Dewatering method used: Evaporated

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:** NAOMI JAMES **Date:** 08/14/2014

[redacted] 1218636

Operator Name: Joe Gerstner Oil, LLC Lease Name: Casper Well #: 1

Sec. 22 Twp. 16 S. R. 26 ☐ East ☑ West County: Ness

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Dual Induction
Micro
Neutron

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

Name	Top	Datum
Attached	Attached	Attached

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	8.625	23	218	Class A	220	2% gel, 3% cc

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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 *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

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

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Joe Gerstner Oil, LLC
Well Name	Casper 1
Doc ID	1218636

Tops

Name	Top	Datum
Anhydrite	2031	+604
Base Anhydrite	2062	+573
Heebner	3904	-1269
Lansing	3946	-1311
Stark Shale	4191	-1556
BKC	4248	-1613
Marmaton	4292	-1657
Pawnee	4386	-1751
Ft. Scott	4452	-1817
Cher Shale	4475	-1840
Miss Por	4555	-1920
LTD	4670	-2035

Mud-Co / Service Mud.

100 S. Main St., Suite #310, Wichita,Ks. 67202

Report: 8

Daily Drilling Mud Report

Date: 04/14/14 Depth: 4570

Operator: Joe Gerstner Oil, LLC.	Contractor: Pickrell Drilling Co.	Rig No.: 10
Address: Rig	Address: Rig	Spud Date: 04/08/14
Report for Mr.: Nick Gerstner	Report for Mr.: Mike Kern	Section: 22 Twp: 16S Range: 26W
Well Name & No.: Casper #1	County: Ness	State: Kansas

Operation		Casing	Mud Volume (BBL)		Circulation Data			
Present Activity: TOH f/DST #1		8 5/8 in. at 218	Hole: 379	Pits: 400	Liner Size: 6	Stroke: 14	Opposite Drill Pipe: 191	Pump Pressure: -
Bit Size (in.): 7 7/8	No: 3	Intermediate in. at	Total Circulating Vol.: 779		Est.Hole/DS capacities: 8.3	2.401	Opposite Drill Collars: 348	Pump Make: Emsco
Drill pipe sz: 4 1/2	Type: XH	Production / Liner in. at	Volume in Storage: 120 bbls chem mud		BBl/ Strk: 0.129	Strk / Min.: 60	Bottoms Up (Min.): 41	Pump Model: D-375
Drill Collar size: 6 1/4	488	Drilling mud type: Chemical			BBL./Min.: 7.8	GAL/Min.: 326	System Total (Min): 101	Critical GPM DC/DP: 287 | 431

Sample from Flowline ___ or Pit _x_

Flowline Temperature _____

Daily Mud Cost: 2,312.55

Cumulative Mud Cost: 12,411.90

Mud Properties		
Time Sample Taken	8:35 AM	
Depth (Ft.)	4,570	
Mud Gradient (psi/ft.)	0.478	
Plastic Viscosity cp	11	
Yield Point (lb/100 sq.ft.)	22	
Gel Strength 10 sec/10 min.	23/28	
pH	9.0	
		Reserve
Cake Thickness 32nd	1	Pit
Alkalinity, Mud (Pm)	-	
Alkalinity, Filtrate (Pf/Mf)	0.2/-	
		28,000
Calcium. ppm	100	Estimated
Sand Content (% by Vol)	Tr	volume
Solids Content (% by Vol.)	6.1	800 bbls
Oil Content (% by Vol.)	0.0	
Water Content (% by Vol.)	93.9	
Reynold's #DP	1,283	
Reynold's # DC	2,446	
ECD lb/gal	9.77	

MUD PROPERTIES SPECIFICATIONS

Mud Wt.(lbs/gal.)	Viscosity	Filtrate	LCM
9.2-9.4	48-54	8-10.0cc	As Needed

DRILLING MUD INVENTORY

Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	135		92	43	791.20
Lime	2		2		
Soda Ash	9		2	7	180.95
Caustic Soda	9		5	4	264.60
Lignite	3			3	85.80
C/S Hulls	85		85		
Drill Pak	3			3	990.00
Desco	2		2		
Poly Plus	1		1		
Florigel					
Xcide					
Sapp					
Barite					
Bicarb					

Suggest:

Run water at flowline while drilling to control mud wt, 9.2-9.4#

LCM as needed with c/s hulls

Keep hole full and pipe moving at all times, circulate hole clean prior to all trips and break circulation on all TIH w/Bit

Divert all DST recovery to reserve pit

**Please use all the gel on one pallet before opening up another pallet*

For production casing:

Thin fluid back to 40-42 sec/qt. viscosity with a Desco flush. Mix and add the following premix and run a moderate stream of water at flowline while circulating casing on bottom.

40 bbls fresh water/ 40 bbls pit mud
2 Desco
1 Caustic

Please keep all materials covered as needed...Thank you

Mud-Co Service Mud Representative | Home Address | Telephone Number

Warehouse Location | Telephone Number