Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1229552

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 # 35013
Name: Vast Petroleum Corporation
Address 1: 10939 N. ALPINE HWY, #510
Address 2:
City: HIGHLAND State: UT Zip: WIN + ____
Contact Person: Shawn Smart
Phone: (801) 971-0113
CONTRACTOR: License # 33734
Name: Hat Drilling LLC
Wellsite Geologist: NA
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 #:

9/17/2014	9/19/2014	9/19/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-001-31214-00-00
Spot Description:
NE - SW - NE - SW Sec. 5 Twp. 24 S. R. 19 ☑ East ☐ West
1815 Feet from ☐ North / ☑ South Line of Section
1815 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: Allen
Lease Name: Thohoff Well #: V22
Field Name: Iola
Producing Formation: Tucker
Elevation: Ground: 1009 Kelly Bushing: 0
Total Vertical Depth: 1100 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 21 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: 21 w/ 7 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 1500 ppm Fluid volume: 80 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: 11/07/2014
☑ **Confidential Release Date:** 11/21/2016
☐ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 11/07/2014

[redacted] 1229552

Operator Name: Vast Petroleum Corporation Lease Name: Thohoff Well #: V22

Sec. 5 Twp. 24 S. R. 19 ☑ East ☐ West County: Allen

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 (Attach Additional Sheets) ☐ Yes ☑ No

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☑ No

List All E. Logs Run:

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

Name Top Datum

No Log

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	9	8.6250	10	21	Portland	7	50/50 POZ
Completion	5.6250	2.8750	8	1090	Portland	137	50/50 POZ

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. 9/19/2014

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:

Form	ACO1 - Well Completion
Operator	Vast Petroleum Corporation
Well Name	Thohoff V22
Doc ID	1229552

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	9	8.6250	10	21	Portland	7	50/50 POZ
Completion	5.6250	2.8750	8	1090	Portland	137	50/50 POZ

HAT DRILLING
12371 KS HWY 7
MOUND CITY, KS 66056
LICENSE # 33734

Thohoff V22
API # 15-001-31214-00-00
SPUD DATE 9-17-14

Footage	Formation	Thickness	
2	lime	2	Set 21' of 8 5/8"
4	sand stone	2	TD 1100'
85	shale	81	Ran 1090' of 4 1/2 on 9-19-14
132	lime	47	
172	shale	40	
183	lime	11	
208	shale	25	
228	lime	20	
240	shale	12	
269	lime	29	
273	shale	4	
335	lime	62	
524	shale	189	Hertha
536	lime	12	
553	shale	17	
557	lime	4	
597	shale	40	
613	lime	16	
615	shale	2	
635	lime	20	
658	shale	23	
663	lime	5	
675	shale	12	
690	lime	15	
695	shale	5	
703	lime	8	
977	shale	274	
987	oil sand	10	good odor, good bleed
997	oil sand	10	good odor, light bleed
1003	oil sand	6	very light show, lots of water
1007	oil sand	4	good bleed, good odor (saturated sand)
1010	oil sand	3	light bleed
1034	oil sand	24	excellent bleed (saturated sand)
1055	shale	21	
1100	lime	45	Mississippi

Hurricane Services, Inc.
3613 A Y Road
Madison, KS 66860
Office # 620-437-2661
Brad Cell # 620-437-6765

HURRICANE SERVICES INC
OILFIELD SERVICES
MADISON, KANSAS

Ticket Number 100448
Location
Foreman Dwayne / Joe

Cement Service ticket

Date	Customer #	Well Name & Number	Sec./Township/Range	County
9/19/14		Thobaff 11-22		Allen
Customer		**Mailing Address**	**City State Zip**	
Vast Petro Corp				

Job Type: Long String

				Truck #	Driver
Hole Size: 11 00 6 3/4	1090			231	Tom
Hole Depth: 1106	Casing Size: 4 1/2	Displacement: 17.03		240	Alex / TRay
Bridge Plug:	Casing Weight: 9.5	Displacement PSI: 400 BE		111	TX/Jor
Packer:	Tubing:	Cement Left in Casing: 0		109	Jeff
	PBTD:			25	Dwayne / Joe

Quantity Or Units	Description of Servcies or Product		Pump charge	790 00
25 Mi	Mileage	Cement Pump 231	$3.25/Mile	81 25
25 m.		Forman P.U. 25	1.5 mi	37 50
137 Sack	QWC Cement		17 95 SK	2459 15
200 Lb	Prem Gel Flush		.30 Lb	60 00
2.5 hr	Water TRuck		84 00 hr	210 00
2.5 hr	Water TRuck		84 00 hr	210 00
			5%	discount
				Bid price
6.43 Tons	Bulk Truck	Bulk Delivery Min Charge	$1.30/Mile	300
1	Plugs	4 1/2 Top Rubber Plug	38	38 00
			Subtotal	
			Sales Tax	
			Estimated Total	

Remarks: Hook onto Casing and Establish Circulation Pump 10 BBl Gel Flush Followed By 25 BBl Pad and Start Cement Pump Sacks Stop and Flush Pump Then Pump Wiper Plug to Bottom and Set Float Shoe.

(Rev. 1-2011)

Customer Signature