Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1216596

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 # 33640
Name: Haas Petroleum, LLC
Address 1: 11551 ASH ST., STE 205
Address 2:
City: LEAWOOD State: KS Zip: 66211 + __ __ __ __
Contact Person: Mark Haas
Phone: (913) 499-8373
CONTRACTOR: License # 33715
Name: Town Oilfield Service
Wellsite Geologist: GGR, Inc.
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 #:

07/12/2014	07/14/2014	07/14/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-003-25904-00-00
Spot Description:
NW SE NW NW Sec. 13 Twp. 20 S. R. 20 ☑ East ☐ West
975 Feet from ☑ North / ☐ South Line of Section
950 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: Anderson
Lease Name: Zastrow Well #: 9i-HP
Field Name:
Producing Formation: Cattleman Sandstone
Elevation: Ground: 952 Kelly Bushing: 0
Total Vertical Depth: 800 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 20 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: 0 ppm Fluid volume: 0 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: 07/30/2014
☑ **Confidential Release Date:** 07/29/2016
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☑ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 08/05/2014

[redacted] 1216596

Operator Name: Haas Petroleum, LLC Lease Name: Zastrow Well #: 9i-HP

Sec. 13 Twp. 20 S. R. 20 ☑ East ☐ West County: Anderson

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:

Gamma Ray

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

Name	Top	Datum
N/A		

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	9.8750	7.0000	17	20	Regular	3	
Longstring	5.6250	2.8750	23	769	Poz Mix Cement	102	50/50

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:
_____
_____

Form	ACO1 - Well Completion
Operator	Haas Petroleum, LLC
Well Name	Zastrow 9i-HP
Doc ID	1216596

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	9.8750	7.0000	17	20	Regular	3	
Longstring	5.6250	2.8750	23	769	Poz Mix Cement	102	50/50

Anderson County, KS
Well: Zastrow 9 I-HP
Lease Owner: Haas Petro

Town Oilfield Service, Inc.
(913) 837-8400

Commenced Spudding:
07/12/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
18	soil/clay	18
50	shale	68
29	lime	97
13	shale	110
6	lime and shale	116
50	shale	166
10	lime	176
7	shale	183
37	lime	220
6	shale	226
20	lime	246
3	shale	249
25	lime	274
3	shale	277
4	lime	281
5	sandy shale	286
19	shale	308
5	sandy shale	310
20	shale	330
8	sandy shale	338
64	shale	402
8	sandy shale	410
5	sandy shale	415
23	shale	438
3	lime	441
6	shale	447
2	lime	449
4	shale	453
10	lime	463
6	shale	469
5	sandy shale	474
9	sandy shale	483
4	sandy shale	487
6	shale	493
10	sand and sandy shale	503
11	shale	514
3	shale and coal	517
8	lime	525
4	shale	529
5	shale and lime	534

Anderson County, KS
Well: Zastrow 9 I-HP
Lease Owner: Haas Petro

Town Oilfield Service, Inc.
(913) 837-8400

Commenced Spudding:
07/12/2014

5	shale	539
5	lime	5244
20	shale	564
10	shale	574
36	lime and shale	610
3	shale	613
13	lime	626
5	sand	631
39	shale	670
14	sand and sandy shale	684
9	broken sand	693
2	sandy shale	695
18	shale	713
1	lime	714
6	shale	720
13	sandy shale	733
2	broken sand	735
4	broken sand	739
2	sand	741
2	sand	743
6	sand	749
2	shale and coal	751
8	sandy shale	759
41	shale	800-TD

Zeshow Farm: Anderson County

KS State; Well No. 9J-WD

Elevation 952

Commenced Spuding 7-12, 20 14

Finished Drilling 7-14, 20 14

Driller's Name Chad Weaver

Driller's Name

Driller's Name

Tool Dresser's Name Cole Holcom

Tool Dresser's Name Ryan Ward

Tool Dresser's Name

Contractor's Name TOS

13 (Section) 20 (Township) 20 (Range)

Distance from N line, 975 ft.

Distance from W line, 950 ft.

3- Sacks

CASING AND TUBING RECORD

10" Set		10" Pulled	
7" Set	20'	8" Pulled	
6¼" Set		6¼" Pulled	
4" Set		4" Pulled	
2⅞ Set	783.29	2" Pulled	

600 TD

CASING

Feet	In.	Feet	In.	Feet	In.

CONSOLIDATED
Oil Well Services, LLC

269725

TICKET NUMBER 47438
LOCATION Ottawa KS
FOREMAN Fred Mader

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-14-14	3451	Zastrow #I-9 HP	NW 13	20	20	AN

CUSTOMER: Haas Petroleum LLC
MAILING ADDRESS: 11551 Ash St Ste
CITY: Leawood | STATE: KS | ZIP CODE: 66211

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fre Mad		
495	Har Bec		
369	Mik Haa		
510	Dus Web		

JOB TYPE Long string. HOLE SIZE 5 7/8 HOLE DEPTH 780 CASING SIZE & WEIGHT 2 7/8 EUE
CASING DEPTH 769 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 2½" Plug
DISPLACEMENT 4.47 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

REMARKS: Hold crew safety meeting. Establish pump rate. Mix Pump 100# Gel Flush. Mix & Pump 102 sks 50/50 Por Mix Cement 2% Gel. Cement to surface. Flush pump & lines clean. Displace 2½" Rubber plug to Casing TD. Pressure to 800# PSI. Monitor pressure for 30 min MIT

TAS Drilling - Chad Weaver

Fred Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495		1085.00
5406	25mi	MILEAGE	495		105.00
5402	769	Casing Footage			N/C
5407	½ Minimum	Ton Miles	510		184.00
5502C	2 hr	80 BBL Vac Truck	369		200.00
1124	102 sks	50/50 Por Mix Cement		1173.00	
1118B	272#	Premium Gel		58.84	
		Material		1232.84	
		Less 30%		-369.85	
		Total			862.99
4402	1	2½" Rubber Plug			29.50
				2932.99	
			7.65%	SALES TAX	68.28
				ESTIMATED TOTAL	2534.77

Ravin 3737

AUTHORIZTION _____ TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this fo