COPY

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 # 33640
Name: Haas Petroleum, L.L.C.
Address: 800 W. 47th, Suite # 409
City/State/Zip: Kansas City, Missouri 64112
Purchaser: Plains Marketing
Operator Contact Person: Mark Haas
Phone: (816) 531-5922
Contractor: Name: Skyy Drilling
License: 33557
Wellsite Geologist:

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:
Well Name:
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.

August 9, 2006	August 11,2006	August 14, 2006
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 045-21300-00-00
County: Douglas NE NE SE - KCC Record
~~SE - SE - NE~~ Sec. 6 Twp. 14 S. R. 21 ✓ East ☐ West
~~2445~~ 2635 FSL feet from S / (N) (circle one) Line of Section
~~330~~ 197 FEL feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Thoren Well #: 17
Field Name: Little Wakarusa
Producing Formation: Squirrel
Elevation: Ground: ___ Kelly Bushing:
Total Depth: 721 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at 40 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☐ No
If yes, show depth set ___ Feet
If Alternate II completion, cement circulated from
feet depth to 721 w/ 92 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content ___ ppm Fluid volume ___ bbls
Dewatering method used
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: Mark Haas
Title: Operator Date: September 11, 2006
Subscribed and sworn to before me this 11th day of September,
20 06 .
Notary Public: Mary L Weber Mary L. Weber
Date Commission Expires: May 22, 2008

MARY L. WEBER
Notary Public - State of Kansas
My Appt. Expires May 22, 2008

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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Side Two

Operator Name: Haas Petroleum, L.L.C. Lease Name: Thoren Well #: 17

Sec. 6 Twp. 14 S. R. 21 ☑ East ☐ West County: Douglas

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 *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run *(Submit Copy)*	☐ Yes	☑ No

List All E. Logs Run:

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

Name Top Datum

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
						88	

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	19 Perforation @ 651' TO 660		

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

Date of First, Resumerd 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

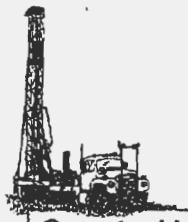
Disposition of Gas METHOD OF COMPLETION Production Interval

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

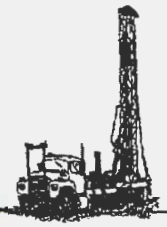
☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled

☐ Other *(Specify)*

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LEIS OIL SERVICES



111 East Mary • Yates Center, Kansas 66783 • (620) 625-3676

Operator License # : 33640			**API :** 045-21300-0000	
Operator : Haas Petroleum, LLC			**Lease Name :** Thorn	
Address : 800 W. 47th St. KCMO, 64112			**Well # :** 17	
Phone # : 816.531.5922			**Spud Date :** 08.09.06 **Completed :** 08.11.06	
Contractor License # : 32079			**Location :** N/2 SE.SE.NE of 6.14.21 E	
T.D. : 721	**T.D. of Pipe :** 715	2145	**Ft from**	N **Line**
Surface Pipe Size : 7"	**Depth :** 22'	330	**Ft from**	E **Line**
Kind of Well (Oil, Gas, Water, Dry) : Oil		**County :** Johnson		

LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
25	Soil & Clay	0	25	3	Lime	520	523
6	Lime	25	31	26	Sandy Shale	523	549
9	Shale	31	40	6	Lime	549	555
17	Lime	40	57	3	Shale	555	558
5	Shale	57	62	3	Lime	558	561
7	Lime	62	69	7	Shale	561	568
10	Shale	69	79	8	Lime	568	576
17	Lime	79	96	13	Shale	576	589
34	Shale	96	130	4	Lime	589	593
11	Brown Lime	130	141	2	Black Shale	593	595
45	Shale	141	186	5	Sandy Shale	595	600
47	Lime	186	233	4	Lime	600	604
12	Shale	233	245	4	Oil Show- Sand	604	608
37	Lime	245	282	6	Sandy Lime	608	614
5	Shale	282	287	18	Shale	614	632
47	Lime	287	334	2	Black Shale	632	634
6	Black Shale	334	340	2	Shale	634	636
44	Lime	340	384	2	Lime	636	638
6	Shale	384	390	2	Shale	638	640
2	Lime	390	392	2	Lime	640	642
32	Shale	392	424	6	Shale	642	648
8	Sandy Lime	424	432	5	White Mucky Shale	648	653
58	Sandy Shale	432	490	7	Oil Sand	653	660
12	Sandy Lime	490	502	59	Shale	660	721
10	Sandy Shale	502	512				
8	Red Shale	512	520		T.D.		721

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