

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5030

Name: Vess Oil Corporation/Landmark Exp.

Address 8100 E. 22nd North Bldg. 300

City/State/Zip Wichita, Kansas 67226

Purchaser: N/A

Operator Contact Person: W.R. Horigan

Phone (316) 682-1537

Contractor: Name: L. D. Drilling, Inc.

License: 6039

Wellsite Geologist: Kim Shoemaker

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/Reentry: Old Well Info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back _____ PBTB

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) _____ Docket No. _____

5-14-97 5-21-97 N/A
Spud Date Date Reached TD Completion Date

API NO. 15- 15-101-217420000

County LANE

Ap. - E/2 - NW - NW Sec. 19 Twp. 19 Rge. 27 ^E/_{XW}

585 Feet from SW (circle one) Line of Section

915 Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name HABIGER Well # 1-19

Field Name Hackberry Creek East

Producing Formation N/A

Elevation: Ground 2735 KB 2740

Total Depth 4653 PBTB _____

Amount of Surface Pipe Set and Cemented at 305' Feet

Multiple Stage Cementing Collar Used? Yes 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 D+A, 4-3-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 5000 ppm Fluid Volume 6500 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

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 on 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 W.R. Horigan

Title Operations Manager Date 8/19/97

Subscribed and sworn to before me this _____ day of August, 19 97.

Notary Public Michelle D. Henning

Date Commission Expires _____

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

MICHELLE D. HENNING
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 7/12/97

LANDMARK

VESS OIL CORP./LANDMARK EXPL.

SIDE TWO

Lease Name Habiger

Well # 1-19

Sec. 19 Twp. 19 Rge. 27

East
 West

County Lane

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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.)

Log Formation (Top), Depth and Datums Sample
Name Top Datum

List All E.Logs Run:
Dual Induction SEE ATTACHMENT SHEET
Comp. Density/Comp. Neutron

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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 1/4"	8 5/8"	24#	305'	50/50 Poz	180	2% Gel, 3% cc

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used) Depth	

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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 Open Hole Perf. Dually Comp. Commingled
(If vented, submit ACO-18.) Other (Specify)

ORIGINAL

ATTACHMENT SHEET TO ACO-1

Habiger #1-19
585' FNL 915' FWL
Sec. 19-19S-27W
Lane County, KS

15-101-21742

DST #1	4344-4400	ZN	<u>Pleas/</u>
Times:	30-45-45-60		Marmaton
Blow:	1st open-Built to 5"		
	2nd open-Built to 2"		
Rec:	31' MW -few specs oil		
	124' SW-(fair gassey odor)		
	good show of oil in tool		
IFP:	74-109	FFP:	123-137
ISIP:	533	FSIP:	410
HP:	2214-2204	Temp	128 F

8-25-97

SAMPLE TOPS	LOG TOPS	
Anh	2054 (+686)	2050 (+690)
B/Anh	2086 (+654)	2083 (+657)
Heebner	3954 (-1214)	3954 (-1214)
Lansing	3995 (-1255)	3994 (-1254)
Kansas City	4080 (-1340)	4080 (-1340)
Muncie Creek	4170 (-1430)	4168 (-1428)
Stark	4272 (-1532)	4271 (-1531)
Hush.	4301 (-1561)	4303 (-1563)
220 Zone	4317 (-1577)	4319 (-1579)
BKC	4343 (-1603)	4342 (-1602)
Marmaton	4371 (-1631)	4371 (-1631)
Fort Scott	4521 (-1781)	4518 (-1778)
Cherokee	4544 (-1804)	4538 (-1798)
Miss	4610 (-1870)	4612 (-1872)
RTD	4653 (-1913)	4652 (-1912)

ALLIED CEMENTING CO., INC.

3637

LF

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:

Wass City

DATE <u>5-21-97</u>	SEC. <u>19</u>	TWP. <u>19</u>	RANGE <u>27</u>	CALLED OUT <u>2:30pm</u>	ON LOCATION <u>6:00pm</u>	JOB START <u>7:20pm</u>	JOB FINISH <u>10:00pm</u>
LEASE <u>Haligan</u>		WELL# <u>1-19</u>	LOCATION <u>Alamota 3W 6 1/4 S E S</u>		COUNTY <u>Lane</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>L. D. Donly</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Rotary Plug</u>	CEMENT <u>8-25-97</u>
HOLE SIZE <u>7 7/8"</u>	T.D. <u>4653</u>
CASING SIZE <u>8 5/8"</u>	DEPTH <u>305</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	

AMOUNT ORDERED	<u>215 6 3/4, 6 1/2 Del 1/2 # 7lo Seal</u>	
COMMON	<u>129</u>	@ <u>6.10</u> <u>786.90</u>
POZMIX	<u>76</u>	@ <u>3.15</u> <u>270.90</u>
GEL	<u>11</u>	@ <u>9.50</u> <u>104.50</u>
CHLORIDE		@
<u>7lo Seal 54 #</u>		@ <u>1.15</u> <u>62.10</u>
		@
		@
		@
		@
HANDLING	<u>215</u>	@ <u>1.05</u> <u>225.75</u>
MILEAGE	<u>31</u>	<u>266.60</u>
		TOTAL \$ <u>1716.75</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>J. Weigman</u>
# <u>224</u>	HELPER <u>B. Norton</u>
BULK TRUCK	
# <u>116</u>	DRIVER <u>D. Ubbels</u>
BULK TRUCK	
#	DRIVER

REMARKS:

SERVICE

<u>50s x e 2080</u>
<u>50 e 1200</u>
<u>40 e 600</u>
<u>50 e 340</u>
<u>10 e 40</u>
<u>15 RH.</u>

DEPTH OF JOB	<u>2080'</u>
PUMP TRUCK CHARGE	<u>550.00</u>
EXTRA FOOTAGE	@
MILEAGE	<u>31</u> @ <u>2.85</u> <u>88.35</u>
PLUG <u>Top wood</u>	@ <u>23.00</u> <u>23.00</u>
<u>Dry Hole Plug</u>	@
	@
TOTAL \$ <u>661.35</u>	

CHARGE TO: Wass Oil Corporation
STREET 8100 E 22nd St. N Bldg. 300
CITY Wichita STATE KS ZIP 67226

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX	<u>- 0 -</u>
TOTAL CHARGE	<u>\$ 2378.10</u>
DISCOUNT	<u>\$ 356.72</u> IF PAID IN 30 DAYS

Net \$ 2021.38

SIGNATURE Danny J. Mayhew