

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5721
Name: Glacier Petroleum, Inc.
Address: P.O. Box 577
City/State/Zip: Emporia, KS 66801-0577
Purchaser: Maclaskey Oilfield Services
Operator Contact Person: J.C. Hawes
Phone: (620) 342-1148
Contractor: Name: Summit Drilling Company
License: 30141
Wellsite Geologist: Dean Seeber
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. _____

<u>12/8/2007</u>	<u>12/11/2007</u>	<u>2/01/2008</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 015-23755-0000
County: Butler
SW NE SE _____ Sec. 22 Twp. 23 S. R. 04 East West
1506 feet from (S) N (circle one) Line of Section
1040 feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Harvey-Hagan Well #: 4
Field Name: Clifford
Producing Formation: Lansing
Elevation: Ground: 1401 Kelly Bushing: 1411
Total Depth: 1860 KB Plug Back Total Depth: 1859 KB
Amount of Surface Pipe Set and Cemented at 201 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) *ALT IJW*
3-11-08
Chloride content 2100 ppm Fluid volume 250 bbls
Dewatering method used Evaporation
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: [Signature]
Title: President Date: 02/02/2008
Subscribed and sworn to before me this 02 day of FEBRUARY,
2008.
Notary Public: Sally L. Linhart
Date Commission Expires: 6/11/2011

KCC Office Use ONLY

Letter of Confidentiality Received **RECEIVED**
 If Denied, Yes Date: **KANSAS CORPORATION COMMISSION**
 Wireline Log Received **FEB 21 2008**
 Geologist Report Received
 UIC Distribution
**CONSERVATION DIVISION
WICHITA, KS**

NOTARY PUBLIC
SALLY L. LINHART
STATE OF KANSAS
My Appt. Exp. 6/11/2011

ORIGINAL

Operator Name: Glacier Petroleum, Inc. Lease Name: Harvey-Hagan Well #: 4
 Sec. 22 Twp. 23 S. R. 04 East West County: Butler

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Gamma Ray Neutron Sonic Bond	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum Lansing 1808 KB -397
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CASING RECORD <input 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#	201 GL	Class A	120 sx	2% gel, 3% CaCl
Production	7 7/8"	4 1/2"	10.5#	1859 KB	Poz / Quick Set	250 sx	4% gel, Kalseal

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				

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
4 SPF	1813-1818 (20 total shots)	500 gal 15% MA	1813-1818

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	1815 ft	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 02/01/08 (24 hr swab test)			Producing Method		
			<input type="checkbox"/> Flowing <input checked="" 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
	10	None	70		39

Disposition of Gas		METHOD OF COMPLETION		Production Interval	
<input type="checkbox"/> Vented	<input type="checkbox"/> Sold	<input type="checkbox"/> Used on Lease	<input type="checkbox"/> Open Hole	<input checked="" type="checkbox"/> Perf.	<input type="checkbox"/> Dually Comp.
<i>(If vented, Submit ACO-18.)</i>			<input type="checkbox"/> Other (Specify)		<input type="checkbox"/> Commingled

RECEIVED
 KANSAS COMMISSION
FEB 24 2008
 INFORMATION DIVISION
 OMAHA, KS

CONSOLIDATED OIL WELL SERVICES, INC.
 P.O. BOX 884, CHANUTE, KS 66720
 620-431-9210 OR 800-467-8676

TICKET NUMBER 13341
 LOCATION Emporia
 FOREMAN RICK LEONARD

**TREATMENT REPORT & FIELD TICKET
 CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
12-9-07	3314	Harvey-Hagan #4	22	23	4E	Butler	
CUSTOMER Glacier Petroleum Inc.			Summit Orle				
MAILING ADDRESS P.O. Box 577							
CITY Emporia		STATE KS	ZIP CODE 66801	TRUCK #	DRIVER	TRUCK #	DRIVER
				463	Kyle		
				515	John		

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 218' CASING SIZE & WEIGHT 8 5/8
 CASING DEPTH 201' G.L. DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15" SLURRY VOL _____ WATER gal/sk 6.5 CEMENT LEFT in CASING 20'
 DISPLACEMENT 12.5 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting. Rig up to 8 5/8" casing. Break circulation
w/ 10 bbl fresh water. Mixed 120 sacks regular class 'A' cement
w/ 3% cacl₂, 2% sol + 1/4" floccle @ 15" P.M.L. Displa w/ 12.5
bbl fresh water. shut casing in @ 100 PSI w/ good cement returns
to surface. Job complet. Rig down

"Thank You"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	650.00	650.00
5406	50	MILEAGE	3.30	165.00
11045	120 sacks	class 'A' cement	12.20	1464.00
1102	340 "	3% cacl ₂	.67	227.80
1118A	225 "	2% sol	.15	33.75
1107	30 "	1/4" floccle @ 15" / sk	1.90	57.00
5407A	5.04	con-milage bulk trix	1.10	310.20
RECEIVED KANSAS CORPORATION COMMISSION				
FEB 04 2008				
CONSERVATION DIVISION WICHITA, KS				
			Subtotal	2907.25
			SALES TAX	94.47
			ESTIMATED TOTAL	3001.72

AUTHORIZATION called by Joe TITLE Tool Pusher DATE _____

219014

UNCONSOLIDATED OIL WELL SERVICES, *llc*
 P.O. BOX 884, CHANUTE, KS 66720
 620-431-9210 OR 800-467-8676

TICKET NUMBER 13342
 LOCATION EURWA
 FOREMAN RICK LEONARD

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-11-07	3314	HARVEY-Hagan # 4	22	23	4E	Butler
CUSTOMER Glacier Petroleum Inc.			Summit Orlo			
MAILING ADDRESS P.O. Box 577			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Emporia			463	Kyle		
STATE KS			515	Jacoid		
ZIP CODE 66801			479	Shannon		

JOB TYPE longstring HOLE SIZE 2 7/8" HOLE DEPTH 1800' CASING SIZE & WEIGHT 4 1/2" 10.5"
 CASING DEPTH 1853 DRILL PIPE _____ TUBING _____ OTHER 1830 12 1/8"
 SLURRY WEIGHT 12.8 = 13.4" SLURRY VOL 46 bbl WATER gal/sk 7.0 - 8.0 CEMENT LEFT IN CASING 10'
 DISPLACEMENT 29.3 bbl DISPLACEMENT PSI 700 ~~800~~ PSI 1000 RATE _____

REMARKS: Safety meeting - Rig up to 4 1/2" casing. Break circulation w/
fresh water. Pump 15 bbl soap water. Mixed 125 sacks 60/40 Premix
cement w/ 4 1/2 gal + 1/4" floater @ 12.8 lbs/gal. Tail in w/ 25 sacks
thicket cement w/ 5" Kol-sol @ 15.4 lbs/gal. Washout pump + lines
shut down release plug. Displace w/ 29.3 bbl fresh water. Final pump
pressure 700 PSI. Bump plug to 1000 PSI. wait 2 mins. release pump
plug held. Good circulation @ all times while cementing. Job complete by day.

"Thank You"

NOTE - controllers on bottom 3r, 2nd 3r, 1st 3r, 25th 3r.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	840.00	840.00
5406	50	MILEAGE	3.30	165.00
1131	125 sacks	60/40 Premix cement	9.00	1215.00
1118A	600"	4 1/2 gal	.15	90.00
1107	45"	1/4" floater @ 12.8	1.90	85.50
1126A	75 sacks	thicket cement	15.40	1155.00
1110A	375"	Kol-sol 5" @ 15.4	.38	142.50
5402A	11.6	tan-mileage bulk tax	1.10	12.76
4161	1	4 1/2" AFU float shoe	248.00	248.00
4129	4	4 1/2" controllers	36.00	144.00
4453	1	4 1/2" latch down plug	200.00	200.00
1143	2 gals	soap	35.45	70.90
			RECEIVED KANSAS CORPORATION COMMISSION	
			FEB 04 2008	
			CONSERVATION DIVISION WICHITA, KS	
			Subtotal	5493.90
			SALES TAX	80.24
			ESTIMATED TOTAL	5574.14

AUTHORIZATION Witnessed by Dan

219094
 TITLE Tail Note

DATE _____
 5694.24