

ORIGINAL

**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 # 33247
 Name: Petrol Oil and Gas, Inc.
 Address: 401 Pearson Ave.
 City/State/Zip: Waverly, KS 66871
 Purchaser: Enbridge
 Operator Contact Person: John Nunneley
 Phone: (785) 733-2158
 Contractor: Name: Well Refined Drilling Co., Inc.
 License: 33072
 Wellsite Geologist: William M. Stout

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW 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. _____

1/20/06 Spud Date or Recompletion Date	1/24/06 Date Reached TD	N/C Completion Date or Recompletion Date

API No. 15 - 031-22173-00-00
 County: Coffey
 CN2 NE NE Sec. 4 Twp. 20 S. R. 16 East West
330 feet from S / (circle one) Line of Section
660 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner: _____
 (circle one) NE SE NW SW
 Lease Name: Greathouse Well #: 4-1
 Field Name: Hatch NE
 Producing Formation: N/A
 Elevation: Ground: N/A Kelly Bushing: N/A
 Total Depth: 1682' 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 _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Alt II N146-27-08
(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: John Nunneley
 Title: Agent Date: 2-8-07
 Subscribed and sworn to before me this 8th day of FEBRUARY,
 20 07
 Notary Public: Sandra D. Pyle
 Date Commission Expires: 2-10-10

NOTARY PUBLIC - State of Kansas
SANDRA D. PYLE
 My Appt. Exp. 2-10-10

KCC Office Use ONLY

Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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FEB 14 2007

Operator Name: Petrol Oil and Gas, Inc. Lease Name: Greathouse Well #: 4-1
 Sec. 4 Twp. 20 S. R. 16 East West County: Coffey

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 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 Datum Sample
 Name Top Datum

List All E. Logs Run:

Drillers Log, Gamma Ray 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"	32#	40'	Portland	8 Sks	
Production	6 3/4"	4 1/2"	9.5#	16 1/2'	Thick Set	170 Sks	Kol Seal #4 per

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
4	862-66, 897-901, 1141-43, 1169-71, 1236-41,	500 gal 15% HCL, 567 bbls water max flo, 120 sks 20/40		862-1170
4	1306-09, 1316-20, 1348-52, 1392-96,	500 gal 15% HCL, 716 bbls water max flo, 187 sks 20/40		1236-1396
4	1434-37, 1596-99, 1603-07	500 gal 15% HCL, 566 bbls water max flo, 125 sks 20/40		1437-1607

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	1607'		<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method			
N/A	<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
	x	0	x	0	x	300		

Disposition of Gas Vented Sold Used on Lease (If vented, Submit ACO-18.)
 METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____
 Production Interval

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WICHITA, KS

COPY

Well Refined Drilling Company, Inc.
4270 Gray Road - Thayer, KS 66776
Contractor License # 33072 - FEIN #
620-763-2619/Office; 620-432-6170/Cell; 620-763-2065/FAX

HAVE RIG
Rig # 3
WILL DIG

Rig #:	3	Lic #	33247
API #:	15-031-22173-00-00		
Operator:	Petrol Oil & Gas, Inc.		
Address:	P.O Box 34		
	Piqua, Ks 66761		
Well #:	4-1	Lease Name:	Greathouse
Location:	330 ft. from N	Line	
	660 ft. from E	Line	
Spud Date:	1/20/2006		
Date Completed:	1/24/2006	TD:	1682
Driller:	Randy Cox		
Casing Record	Surface	Production	
Hole Size	12 1/4"	6 3/4"	
Casing Size	8 5/8"		
Weight			
Setting Depth	40'		
Cement Type	Portland		
Sacks	8		
Feet of Casing	40'		
Rig Time	Work Performed		

S 4	T 20S	R 16E
Location:	CN2-NE, NE	
County:	Coffey	

Gas Tests			
Depth	Oz.	Orifice	flow - MCF
855		No Flow	
1230		No Flow	
1607		No Flow	

Well Log								
Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
0	1	Overburden	636	638	lime	904	950	shale
1	3	clay	638	708	shale	950	1043	sand
3	61	shale	708	743	lime	1043	1097	shale
61	88	sand	743	769	shale	1097	1104	lime
88	147	shale	769	777	lime	1104	1107	blk shale
147	176	lime	777	797	shale	1107	1110	lime
176	211	shale	797	821	lime	1110	1144	shale
211	213	coal	821	824	shale	1144	1152	lime
213	506	shale	824	859	lime	1/23/2006		Stop For Day
506	510	lime	859	863	shale	1152	1165	shale
510	515	shale	863	865	Stark- blk shale	1165	1174	lime
515	537	lime	865	866	shale	1174	1176	blk shale
537	539	shale	866	897	lime	1176	1209	shale
539	551	lime			Water	1209	1215	lime
551	558	shale	897	898	shale	1215	1217	shale
558	634	lime	898	900	Hushpuckney- blk shale	1217	1218	Summit- blk shale
634	636	shale	900	904	lime	1218	1225	shale

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CONSERVATION DIVISION
WICHITA, KS

Operator: Petrol Oil and Gas			Lease Name: Greathouse			Well #	4-1	page 2
Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
1225	1228	lime	1622	1627	Chat			
1228	1235	shale	1627	1682	lime			
1235	1236	lime	1651	1654	Drillbreak			
1236	1239	Mulky- blk shale	1682		Total Depth			
1239	1240	coal						
1240	1242	shale						
1242	1247	sand						
1247	1306	shale						
1306	1307	coal						
1307	1317	shale						
1317	1318	lime						
1318	1320	Crowburg-blk shale						
1320	1321	coal						
1321	1350	shale						
1350	1351	coal						
1351	1366	shale						
1366	1375	Laminated sand						
1375	1390	shale						
1390	1391	coal						
1391	1488	shale						
1488	1490	lime						
1490	1544	shale						
1544	1552	Laminated sand						
1552	1579	shale						
1579	1580	coal						
1580	1600	shale						
1600	1601	coal						
1601	1604	shale						
1604	1605	coal						
1605	1606	shale						
1606	1607	coal						
1607	1608	shale						
1608	1610	coal						
1610	1611	shale						
1611	1613	coal						
1613	1622	shale						

Notes: 06LA-012406-R3-007-Greathouse 4-1 - Petrol Oil & Gas, Inc.

Keep Drilling - We're Willing!

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CONSERVATION DIVISION
WICHITA, KS

Well Refined Drilling Co., Inc.
 4230 Douglas Road
 Thayer, KS 66776

Invoice

Invoice Number:
 012406-R3-007

Invoice Date:
 Jan 24, 2006

Page:
 1

Voice: 620-839-5581
 Fax: 620-839-5582



COPY

Sold To:
 Petrol Oil & Gas
 RT 1 Box 157A
 Thayer, KS 66776

Ship to:

Customer ID	Customer PO	Payment Terms	
POG	Greathouse 4-1.	C.O.D.	
Sales Rep ID	Shipping Method	Ship Date	Due Date
	Rig 3		1/24/06

Quantity	Item	Description	Unit Price	Extension
1,682.00	DRI-3	API # 15-031-22173-0000 S4,T20S,R16E of Coffey County, KS Spud Date 1/20/06		
8.00	PC	Well Drilling (feet) 6 3/4"	6.50	10,933.00
1.00		Portland Cement	10.00	80.00
		Fuel Surcharge	1,177.40	1,177.40

Subtotal 12,190.40
 Sales Tax
 Total Invoice Amount 12,190.40
 Payment/Credit Applied
TOTAL 12,190.40

Check/Credit Memo No:

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Invoices 30 days overdue are subject to finance charges of 1.5% (18% APR) **FEB 14 2007**

CONSERVATION DIVISION
 WICHITA, KS

CONSOLIDATED OIL WELL SERVICES, INC.
 P.O. BOX 884, CHANUTE, KS 66720
 920-431-9210 OR 800-467-8676

TICKET NUMBER 08198
 LOCATION Eureka
 FOREMAN Brad Butler

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
1-25-06	62601	Greathouse #4-1				Coffey	
CUSTOMER Petrol Oil & Gas, Inc		Birk Oil Co.		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS P.O. Box 447				446	Scott		
CITY Wavely		STATE Ks.	ZIP CODE 66871	440	Calin		
				452-763	Jim		
JOB TYPE Logging	HOLE SIZE 6 3/4"	HOLE DEPTH 1686'	CASING SIZE & WEIGHT 4 1/2" - 9.5lb				
CASING DEPTH 1673'	DRILL PIPE	TUBING	OTHER				
SLURRY WEIGHT 12.8, 13.2	SLURRY VOL 51 Bbl	WATER gal/sk 8.0	CEMENT LEFT in CASING 0'				
DISPLACEMENT 27 Bbls	DISPLACEMENT PSI 700	PSI 1100 Bump Plug	RATE				

REMARKS: Safety Meeting! Rig up to 4 1/2" casing - Break circulation with 30 Bbls water
 Pumped 15 Bbl Gel Flush, 5 Bbl water spacer, 10 Bbl Metasilicate, 20 Bbl Dyewater
 Mixed 170 sks Thick Set cement w/ 4" P/SKOL KOI-SEAL at (12.8 lb first 50 sks) then 13.2 lb P/SKOL
 Shut down - washout pump spines - Release Plug - Displace Plug with 27 Bbls water
 Final pumping at 700 PSI - Bump Plug to 1100 PSI - wait 2 minutes - Release Pressure
 Float Held - close casing in with 0 PSI - Good cement returns to surface with 5 Bbl slurry
 Job complete - Tear down

"Thank you"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	800.00	800.00
5406	50	MILEAGE	3.15	157.50
1126 A	170 SKs	Thick Set cement	13.65	2320.50
1110 A	14 SKs	KOI-SEAL 4" P/SK	17.75	248.50
1118 A	6 SKs	Gel Flush	7.00	42.00
1111 A	50 lbs	Metasilicate - Preflush	1.65 lb	82.50
5407A	9.35 Ton	50 mts - Bulk Truck	1.05	490.88
5501 C	4 Hrs	Water Transport	98.00	392.00
1123	5400 Gal	City water	12.80	69.12
4404	1	4 1/2" Top Rubber Plug	40.00	40.00
			5.3%	SALES TAX
				148.54

500417

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 1/29/07

AUTHORIZATION Called by Gary Bridwell

TITLE _____

DATE 4-2007