

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

Operator: License # 32198  
 Name: PETROSANTANDER (USA) INC  
 Address 6363 WOODWAY suite 350  
 City HOUSTON  
 State/Zip TEXAS 77057  
 Purchaser: NA  
 Operator Contact JASON SIZEMORE  
 Phone (713) 784-8700  
 Contractor: Name: \_\_\_\_\_  
 License: \_\_\_\_\_  
 Wellsite Geologist: \_\_\_\_\_  
 Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  Plugged  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover:  
 Operator: PETROSANTANDER  
 Well Name: MACKEY 5  
 Comp. Date 3-15-86 Old Total Depth 4900'  
 Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTB  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_  
07/24/2002 08/27/2002 08/28/2002  
 Spud Date Date Reached TD Completion Date

API NO. 15- 055-20644-0001  
 County FINNEY  
W2 - NW - NW Sec. 12 Twp. 23S Rge. 31 X W  
660 Feet from S (N) (circle one) Line of Section  
330 Feet from E (W) (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 NE, SE, (NW) or SW (circle one)  
 Lease Name MACKEY Well # MACKEY 5  
 Field Name STEWART  
 Producing Formation MORROW  
 Elevation: Ground 2873' KB 2878'  
 Total Depth 4900' PBTB 4706'  
 Amount of Surface Pipe Set and Cemented at 409' Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set 2016' Feet  
 If Alternate II completion, cement circulated from 2016'  
 feet depth to SURFACE w/ 450 sx cmt.  
 Drilling Fluid Management Plan PFA 60 10.10.02 DA  
 (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 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

Signature [Signature]  
 Title Vice-President, Operations Date \_\_\_\_\_  
 Subscribed and sworn to before me this 19th day of September  
20 02.  
 Notary Public [Signature]  
 Date Commission Expires 9/07/2003

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

Operator Name PETROSANTANDER (USA) INC Lease Name MACKEY Well # MACKEY 5

Sec. 12 Twp. 23S Rge. 31  
 East  
 West

County FINNEY

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.)  
 List ALL E Logs run

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

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	none/existing	8-5/8" /existing	23#	419'	60/40 pozmix	300	2% gel/3% cc
PRODUCTION	none/existing	4-1/2" /existing	10.5#	4899'	60/40 pozmix	150	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate	2718'	Class C / Class C	150/150	3%cc / neet
<input checked="" type="checkbox"/> Protect Casing	2738' - 2870'	Class C	100	neet
<input type="checkbox"/> Plug Back TD	2870' - 3500'	Class C / Class C	150/150	3%cc / neet
<input type="checkbox"/> Plug Off Zone	3910' - 4100'	Class C	40	
	4110' - 4573'	Class C / Class C	50/50	2%cc / neet

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	4753' - 4759' (existing)		
RBP	4706' (new)		

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:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) PLUGGED

Production Interval \_\_\_\_\_