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 Person: JASON SIZEMORE

Phone (713) 784-8700

Contractor: Name:

License:

Wellsite Geologist:

Designate Type of Completion
____ New Well _X_ Re-Entry ____ Workover

____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR ____ SIGW _X_ Plug & Abd
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator:

Well Name:

Comp. Date _____ Old Total Depth _____

____ Deepening ____ Re-perf. ____ Conv. to Inj/SWD
____ Plug Back _____ PBTD
____ Commingled Docket No.
____ Dual Completion Docket No.
____ Other (SWD or Inj?) Docket No.

07/10/2003 Spud Date | 07/10/2003 Date Reached TD | 07/10/2003 Completion Date

API NO. 15- 055-20992

County FINNEY

__ - C - SW - SE Sec. 8 Twp. 23S Rge. 30 _X_ W E

660 Feet from S/N (circle one) Line of Section

1980 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 HAFLICH Well # HAFLICH 8-3

Field Name BULGER

Producing Formation MORROW

Elevation: Ground 2833' KB 2838'

Total Depth 4910' PBTD 4863'

Amount of Surface Pipe Set and Cemented at 1781' Feet

Multiple Stage Cementing Collar Used? ____ Yes ____ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 1781'

feet depth to SURFACE w/ 810 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 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

Title Vice-President, Operations Date 07/11/03

Subscribed and sworn to before me this ____ day of _____, 20 03.

Notary Public

Date Commission Expires 9/07/2003

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)

SIDE TWO

Operator Name PETROSANTANDER (USA) INC Lease Name HAFLICH Well # HAFLICH 8-3

Sec. 8 Twp. 23S Rge. 30 ☐ 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 (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 DUAL INDUCTION
MICROLOG
COMP NEUT DENS
SONIC

☐ Log Formation (Top), Depth and Datums ☐ 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
SURFACE (existing)	12-1/4"	8-5/8"	24#	527'	LITE/COMMON	175/100	3% cc/3% cc
PRODUCTION (exist)	7-7/8"	5-1/2"	15.5#	4895'	POZMIX 50/50	300	2% cc

ADDITIONAL CEMENTING/SQUEEZE RECORD YES

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top	Depth 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
4	4830' - 4846'	Squeeze: 100 sx common	4830' - 4846'

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

Date of First, Resumed Production, SWD or Inj. 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:

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

METHOD OF COMPLETION

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

☐ Other (Specify) Plugged & Abandoned

Production Interval