

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

Operator: License # 32198Name: PETROSANTANDER (USA) INCAddress 6363 WOODWAY suite 350City/State/Zip HOUSTON, TEXAS 77057Purchaser: NAOperator Contact Person: JASON SIZEMOREPhone (713) 784-8700Contractor: Name: ABERCROMBIE RTD, INCLicense: 30684Wellsite Geologist: WESLEY HANSEN

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: _____

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. _____

08/07/99 08/12/99 08/13/99
 Spud Date Date Reached TD Completion Date

API NO. 15- 055-21650County FINNEYNE - NW - SW Sec. 7 Twp. 23S Rge. 30 E X W2550 Feet from S (circle one) Line of Section875 Feet from E (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name STEWART UNIT Well # BULGER7-11Field Name STEWARTProducing Formation MORROWElevation: Ground 2863' KB 2868'Total Depth 4900' PBTD 4870'Amount of Surface Pipe Set and Cemented at 483' FeetMultiple Stage Cementing Collar Used? ☒ Yes ☐ NoIf yes, show depth set 2076 FeetIf Alternate II completion, cement circulated from 2076feet depth to surface w/ 667 sx cmt.Drilling Fluid Management Plan A14.2, 12-1-99 v.c.
(Data must be collected from the Reserve Pit)Chloride content 18,000 ppm Fluid volume 1200 bblsDewatering 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 _____

Title Vice-President, Operations Date 11/16/99Subscribed and sworn to before me this 16th day of November 19 99.Notary Public Cullen WhiteDate Commission Expires 3-12-00

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) FS

Operator Name PETROSANTANDER (USA) INC Lease Name STEWART Well # BULGER 7-11☐ EastCounty FINNEYSec. 7 Twp. 23S Rge. 31☒ West

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 ☒ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No
(Submit Copy.)List ALL E Logs run DUAL INDUCTION
MICROLOG
COMP NEUT DENS
SONIC
CEMENT☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
HEEBNER	3994'	-1126'
LANSING	4082'	-1214'
MARMATON	4513'	-1645'
PAWNEE	4586'	-1718'
CHEROKEE	4632'	-1764'
MORROW SD	4756'	-1888'
MISSISSIPPI	4795'	-1927'
ST LOUIS	4846'	-1978'
LTD	4902'	-2034'

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	12-1/4"	8-5/8"	23#	483'	LITE/COMMON	200/100	2% cc/2% cc
PRODUCTION	7-7/8"	5-1/2"	15.5#	4897'	POZIMIX 50/50	300	2% cc, 1/4# Floseal
<i>multiple stage collar</i>				<i>2076'</i>	<i>Poz 1/H</i>	<i>667</i>	

ADDITIONAL CEMENTING/SQUEEZE RECORD YES

35/65

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate ☒ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	surface/2240'	Lite and Class H	617 and 50	1/4# Flocell

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	4756' - 4780'	Cmt squeeze) - 50 sx Class H	
4	4784' - 4788'	ditto) est top of cement @ 4720'	
4	4756' - 4788'		
TUBING RECORD		Liner Run	
Size	Set At	Yes ☐ No ☒	
2-7/8"	4840'		
Date of First, Resumed Production, SWD or Inj		Producing Method	
09/02/99		☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)	
Estimated Production Per 24 Hours	Oil	Gas	Water
	123 Bbls.	0 Mcf	209 Bbls.
			Gas-Oil Ratio
			29 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)

Production Interval

4756' - 4788'