

**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 # 32278
Name: TENGASCO, INC.
Address: P.O. Box 458
City/State/Zip: Hays, KS 67601
Purchaser: NCRA
Operator Contact Person: Ed Glassman
Phone: (785) 625-6374
Contractor: Name: Discovery Drilling CO., Inc.
License: 31548
Wellsite Geologist: Ed Glassman

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>11/14/01</u>	<u>11/22/01</u>	<u>11/23/01</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 165-21,733-0000

County: Rush

SW NW NE Sec. 28 Twp. 16 S. R. 16W ☐ East ☒ West

990 feet from S / (N) (circle one) Line of Section

2310 feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Andre Well #: 1

Field Name: _____

Producing Formation: LKC

Elevation: Ground: 1955 Kelly Bushing: 1963

Total Depth: 3575 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at 1066.94 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)

Chloride content 14,000 ppm Fluid volume 320 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: Ed Glassman

Title: Geologist Date: 01-30-2002

Subscribed and sworn to before me this 30th day of Jan

18 2002

Notary Public: Shirley K. Jannet

Date Commission Expires: 2/5/04

KCC Office Use ONLY

☐ Letter of Confidentiality Attached

If Denied, Yes ☐ Date: _____

☐ Wireline Log Received

☐ Geologist Report Received

☐ UIC Distribution

Operator Name: TENGASCO, INC. Lease Name: Andre Well #: 1
 Sec. 28 Twp. 16 S R. 16 W ☐ East ☒ West County: Rush

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)

List All E. Logs Run:

Compensated Density/Neutron
 Induction Array

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Anhydrite	1059	+904
B/Anhydrite	1095	+868
Topeka	2966	-1003
Heebner	3192	-1229
Lansing	3248	-1285
B/Kansas City	3481	-1518
Arbuckle	3540	-1577

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 Pipe	12 1/4	8 5/8	28	1066.94	60/40Poz	450	2%Gel&3%CC
Production St.	7 7/8	4 1/2	10.5	3574	ASC	200	2%Gel

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	3540-3541; CIBP @ 3495	None	
2 SPF	3392-3396, 3412-3415, 3426-3430	1000 gal. 15% NE	3392-3430
2 SPF	3215-3218, 3248-3251	1000 gal. 15% NE	3215-3251

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2.375	3477		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.	Producing Method			
01/09/2002	<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
	15		20	37

Disposition of Gas **METHOD OF COMPLETION** Production Interval

Note: No backside gas.

☐ Vented ☐ Solid ☐ Used on Lease
 (If vented, Submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____