

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 8653
name Petroleum Technologies, Inc.
address 4005 E. Kellogg
Wichita,
City/State/Zip Kansas, 67218

Operator Contact Person N. David Urquhart
Phone (316) 687-9963

Contractor: license # 5829
name Aldebaran Drilling

Wellsite Geologist David Barker
Phone

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

OWWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
3-8-84 3-20-84 6-29-84
Spud Date Date Reached TD Completion Date
5095' 4750'
Total Depth PBT

Amount of Surface Pipe Set and Cemented at 1010' feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set feet

Alternate 2 completion, cement circulated
from feet depth to w/ SX cmt

API NO. 15-007-21,750-00-00
County Barber
C SE NW Sec. 28 Twp. 31S Rge. 15

Ft North from Southeast Corner of Section
Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

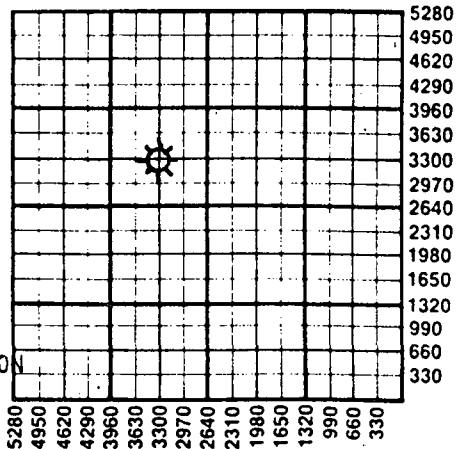
Lease Name Bray Well# 28-1

Field Name New Discovery **SEHUETTE E**

Producing Formation Mississippi

Elevation: Ground 1898' KB 1907'

Section Plat



RECEIVED
STATE CORPORATION COMMISSION

JUL 03 1984

CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit #
 Groundwater Ft North From Southeast Corner and
(Well) Ft West From Southeast Corner of
Sec Twp Rge East West
 Surface Water Ft North From Southeast Corner and
(Stream, Pond etc.) Ft West From Southeast Corner
Sec Twp Rge East West
 Other (explain)
(purchased from city, R.W.D. #)

Disposition of Produced Water: Disposal Repressuring

Docket #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 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 drillers time log shall be attached with this form. 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 B. Suel*
Title Vice President of Exploration Date 7-2-84

Subscribed and sworn to before me this 2nd day of July 19 84

Notary Public *Marvin L. Porter*
Date Commission Expires 11-8-86

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

MARVIN L. PORTER
NOTARY PUBLIC
State of Kansas
My Appointment Expires 11-8-86

Form ACO-1
(This form supercedes previous forms ACO-1 & C-10)

Sec 28 Twp. 31S Rge 15E

SIDE TWO

Operator Name P.T.I. Lease Name BRAY Well# 28-1 SEC. 28 TWP. 31 RGE. 15 East West

WELL LOG

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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Name	Top	Bottom
Red Bed	0	1111
Red Bed - Shale - Lime	1111	1848
Shale-Lime	1848	4690
Cherokee Sand	4690	4700
Shale-Lime	4700	4720
Lime-Shale-Miss.	4720	4800
Shale-Lime	4800	5013
Viola-Simpson	5013	5095

DST #1: 4118-4143' 30-60-45-97
 1st Op: Weak blow increase to strong blow off bottom of bucket in 11 min. Stayed throughout 1st open. No gas.
 2nd Op: Fair blow off bottom of bucket in 2 min. Stayed strong.
 Rec: 140' GIP, 120' HOCM (25% oil, 25% gas, 50% mud), 80' SW, 105,000 ppm Chlor.
 HSP: 1937 FHSP: 1916 ISIP: 1446-1446 IFP: 37-65
 FFP: 65-111 BHT: 106°

DST #2: 4669-4700' 30-60-45-90
 1st Op: Strong blow immed. Gas to surface in 5 min.
 2nd Op: Gas to surface immediately
 Rec: 75' Mud
 IHSP: 2513 FHSP: 2309 ISIP: 1678-96 IFP: 74-65
 FFP: 56-74 BHT: 110°

DST #3: 4700-4720' 30-60-45-90
 1st Op: Weak blow building to strong blow off bottom of bucket in 5 min. No gas to surface.
 2nd Op: Weak blow building to strong blow off bottom of bucket in 15 min. No gas to surface
 Rec: 270' SO&GCM, 2020' GCSW
 IHSP: 2309 FHSP: 2253 ISIP: 1678-1696 IFP: 240-720
 FFP: 738-1143 BHT: 117°

RELEASED
 JUL 19 1985
 FROM CONFIDENTIAL

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	12 1/2"	8 5/8"	24	1010	Common	150	2% Gel, 3% CaCl
Production	7 7/8"	5 1/2"	14	4792	Lite	130	5% CaCl
					Lite	200	4% Gel, 6% CaCl
					Common	100	10% Salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
4	4718-4720'			1000 gal 10% D-S Fe acid			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		size 2 3/8 set at 4725		packer at N/A			
Date of First Production		Producing method <input checked="" type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
	Nil Bbls	516 MCF	Nil Bbls	N/A CFPB		0.7060	

Disposition of gas: vented sold used on lease
 METHOD OF COMPLETION: open hole perforation other (specify) _____
 PRODUCTION INTERVAL: 4718-20' KB
 Dually Completed. Commingled