Jud 6/29/84
KCC
91

SIDE ONE

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.)

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

API NO. 15 - 007-21,750

County Barber

C SE NW Sec 28 Twp 31S Rge 15 ☐ East ☒ West
(location)

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

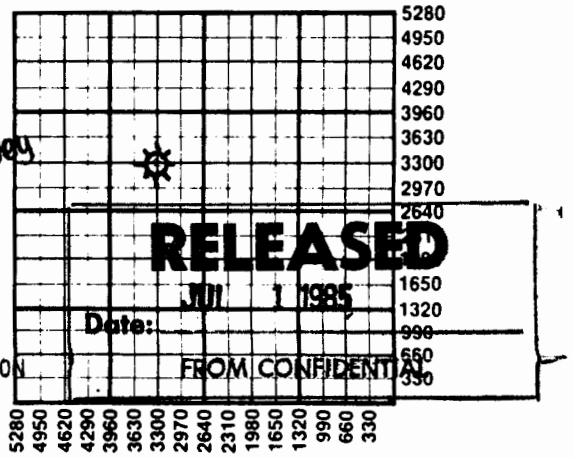
Lease Name Bray Well# 28-1

Field Name New Discovery

Producing Formation Mississippi

Elevation: Ground 1898' KB 1907'

Section Plat



JUL 12 1985
State Geological Survey
WICHITA BRANCH

RELEASED
JUL 1 1985
Date:
FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION
JUL 03 1984
CONSERVATION DIVISION
Wichita, Kansas

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 PBTD

Amount of Surface Pipe Set and Cemented at 1010' feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If Yes, Show Depth Set feet

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

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 Sourtheast 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.

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

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°

Formation Description
☒ Log ☐ Sample

Name	Top	Bottom
Red Bed	0	1111
Red Bed - Shale - Lime	1111	1848
Shale-Lime	1848	4690
Cherokee Sand	4690	470
Shale-Lime	4700	4720
Lime-Shale-Miss.	4720	4800
Shale-Lime	4800	5013
Viola-Simpson	5013	5095

TUBING RECORD size 2 3/8 set at 4725 packer at N/A Liner Run ☐ Yes ☒ No

Date of First Production	Producing method				
	☒ flowing	☐ pumping	☐ gas lift	☐ 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

METHOD OF COMPLETION
Disposition of gas: ☐ vented ☒ sold ☐ used on lease
☐ open hole ☒ perforation ☐ other (specify)

PRODUCTION INTERVAL
4718-20' KB

	drilled	set (in O.D.)	lbs/ft.	depth	cement	used	additives
Surface	12¼"	8 5/8"	24	1010	Common	150	2% Gel, 3% CaCl
					Lite	130	6% CaCl
Production	7 7/8"	5½"	14	4792	Lite	200	4% Gel, 6% CaCl
					Common	100	10% Salt

PERFORATION RECORD shots per foot	specify footage of each interval perforated	Acid, Fracture, Shot, Cement Squeeze Record (amount and kind of material used)	Depth
4	4718-4720'	1000 gal 10% D-S Fe acid	