

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 # 5238
name Petroleum, Inc.
address P.O. Box 1447
City/State/Zip Great Bend, KS 67530

Operator Contact Person Monte Chadd
Phone 316-793-8471

Contractor: license #
name Garvey Drilling Co.

Wellsite Geologist Robert C. Armstrong
Phone NCRA

PURCHASER

Designate Type of Completion

☐ New Well ☐ Re-Entry ☐ Workover

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

If WO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: ☒ Mud Rotary ☐ Air Rotary ☐ Cable

8-17-57 8-26-57 8-30-57
Spud Date Date Reached TD Completion Date

3838
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 237 feet

Multiple Stage Cementing Collar Used? ☒ Yes ☐ No

If Yes, Show Depth Set 1531 feet

If alternate 2 completion, cement circulated
from 0 feet depth to 1531 w/ 350 SX cmt

API NO. 15- Comp. 8-30-57

County Ellis

SW SE SW Sec 22 Twp 13 Rge 20 East
(location) West

280 Ft North from Southeast Corner of Section
3630 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

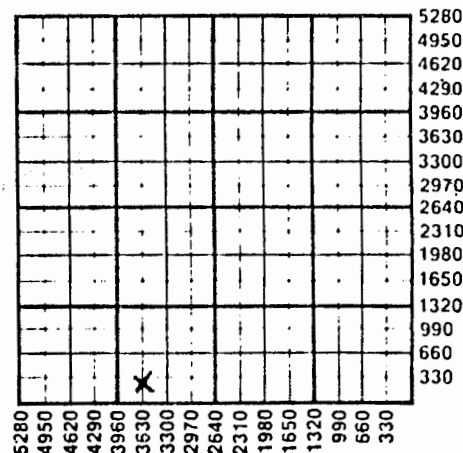
Lease Name Herman 'B' Well# 4

Field Name Pleasant

Producing Formation Arbuckle

Elevation: Ground 2209 KB 2214

Section Plat



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 # C-21,330

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 ... Petroleum, Inc. ... Lease Name ... Herman 'B' ... Well# ... 4 ... SEC ... 22 ... TWP ... 13 ... RGE ... 20 ... ☐ 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
Samples Sent to Geological Survey
Cores Taken

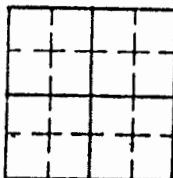
☒ Yes ☐ No
☐ Yes ☐ No
☐ Yes ☐ No

Formation Description

☒ Log ☐ Sample

Name Top Bottom

DST 3478-3557/1 HR, 2070' MDY
SW, BHP 1220#
DST 3580-3645/1 HR, 235' MDY SW,
BHP 1200#
DST 3684-3730/1 HR, 120' MDY SW,
BHP 1100#
DST 3829-38/1 HR, 660' GIP, 730'
GSY O, BHP 830#



PLEASANT POOL
co 3838: 4 BOPH, NW,
1630' OB

Tops	Depth	Datum
ANH	1515	701
HEEB	3448	-1232
TOR	3467	-1251
LANS	3487	-1271
B/KC	3762	-1546
ARB	3828	-1612
TD	3838	-1622

TUBING RECORD size P&A set at packer at

Liner Run ☐ Yes ☐ No

Date of First Production P&A Producing method ☐ flowing ☐ pumping ☐ gas lift ☐ Other (explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

PRODUCTION INTERVAL

Disposition of gas: ☐ vented

☒ open hole ☐ perforation
☐ Other (specify)

P&A

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"	24	237	Common	225	2% gel, 2% CC
Production	7-7/8"	4 1/2"	11.6	3830	Common	100	6% gel

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
		750 gal. Intensified Non-swelling acid	3830-38'

22-13-20W

408 RULE BLDG.
PHONE AM 5-4539ROBERT C. ARMSTRONG
PETROLEUM GEOLOGIST
WICHITA, KANSAS314 S. GLENDALE
PHONE MU 6-5787Petroleum Incorporated # 4 Herman "B",
SW SE SW Section 22 - T13N - R20W,
Ellis County, Kansas.

GENERAL

Contractor: Garvey Drilling Company, Rig # 14.
Spudded: August 17th, 1957.
Completed: August 26th, 1957.
Rotary: Surface to 3838 R. T. D.

CASING

8-5/8" Cemented at 237' with ²²⁵ 150 sacks.
5-1/2" Cemented at 3830.GEOLOGICAL
DATASamples saved, drilling time recorded from 3250 feet to
Total Depth.Elevation: 2212 Ground, 2217 Rotary Bushing; Rotary Bushing
Elevation and measurements used.Formation Tops:

Anhydrite	1518	4699	Driller
Base Anhydrite	1550	4667	"
Heshnar	3448	-1231	Samples
Toronto	3467	-1250	"
Lansing Kansas City	3487	-1270	"
Base Kansas City	3762	-1545	"
Marmaton Chert	3784	-1567	"
Arbuckle	3828	-1611	"
Total Depth	3838	-1621	"

DRILL
STEM
TESTSDrill Stem Test # 1. 3478-3557 (Lansing, 0-70' penetration)
Open 1 hour, recovered 2070' muddy salt
water, 280# IFP, 900# FFP, 1220# BHP/
20 minutes.Drill Stem Test # 2. 3530-3645 (Lansing, 93-158' pene-
tration). Open 1 hour, recovered 235'
muddy salt water, 140# IFP, 360# FFP,
1200# BHP/ 20 minutes.Drill Stem Test # 3. 3684-3730 (Lansing, 197-243' penetration).
Open 1 hour, recovered 120' muddy water,
140 IFP, 230# FFP, 11 0# BHP/ 20 minutes.Drill Stem Test # 4. 3829-3838 (Arbuckle, 1-10' penetration).
Open 1 hour, recovered 660' gas, 730' oil,
160# IFP, 360# FFP, 830# BHP/ 20 minutes.

STATE CORPORATION COMMISSION

MAR 11 1986

CONSERVATION DIVISION
Wichita, Kansas

Wichita, Kansas

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Petroleum Incorporated # 4 Herman "B"
SW SE SW Section 22, T13S - R20W,
Ellis County, Kansas.

CORES None

LOGS RUN None

PAY SECTION (Arbuckle)

3828-30 Tan, very sandy dolomite, small show live oil, fair odor. The sand consisted of large to medium grained, round to sub round, frosted in part.

3830-38 Dolomite, medium crystalline, small show live oil, odor. The dolomite appeared to be tight in samples but judging from recovery in DST # 4 the material contains good intercrystalline porosity.

IMPORTANT Topeka
ZONES BEHIND 3409-20
CASINO

White fine crystalline, chalky limestone, trace vugular porosity, no oil stain.

Toronto
3467-70

White soft chalky limestone, trace white chert, no porosity, no oil staining.

Lansing Kansas City

3487-92 (0-5' penetration) White, fine crystalline to fine granular, slightly fossiliferous, small show live oil, no odor, fair spotted saturation. Included in DST # 1.

3495-98 (8-11' penetration) White soft chalky limestone, no porosity, no staining. Included in DST # 1.

3504-08 (17-21' penetration) White soft chalky limestone, no porosity, no stain. Included in DST # 1.

3518-30 (31-43' penetration) White fine crystalline, chalky limestone, spotted vugular porosity and staining. Included in DST # 1.

3562-70 (75-83' penetration) White fine granular to fine crystalline limestone spotted porosity and staining. This zone was not tested since it has recovered water in higher wells.

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Petroleum Incorporated # 4 Herman "B",
NW SE SW Section 22, T13S, R20W,
Ellis County, Kansas.

IMPORTANT
ZONES
BEHIND
CASINO
(Continued)

Lansing Kansas City (Continued)

- 3573-79 (90-96' Penetration) White, fossiliferous, oolitic limestone, spotted porosity, dead oil staining. This zone has recovered water in higher wells on the lease therefore it was not tested.
- 3603-10 (116-123' Penetration) White chalky limestone, granular in part, some oil staining, included in DST # 2.
- 3626-35 (139-148' Penetration) White, fine crystalline limestone, trace vugular porosity, slight dead oil staining. Included in DST # 2.
- 3650-59 (163-172' Penetration) White, fine crystalline to chalky limestone, trace vugular porosity, no show. This zone was not tested, since it made water in higher wells.
- 3670-80 (183-193' Penetration) White chalky fine crystalline lime, trace vugular porosity, no oil show. Not tested.
- 3692-98 (205-211' Penetration) Mostly soft chalky limestone slightly fossiliferous, trace oil staining, fair porosity.
- 3718-25 (231-238' Penetration) White, fine crystalline limestone, spotted pin-point porosity, no oil staining. This zone and zone above were included in DST #3.

SUMMARY

This well, with a Lansing datum of -1270, compares with tops from -1264 - 1267 on other wells on the lease. The Lansing section was almost continually tested. No commercial oil shows were found in this formation.

Arbuckle came in rather high, -1611, considering the low Lansing datum. This top is flat with # 2 Herman "B" and over 10 feet higher than # 1 and # 3. 750' of clean oil were recovered from this formation.

Robert C. Armstrong
Robert C. Armstrong

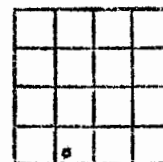
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company- PETROLEUM, INC.
Farm- Herman "B" No. 4

SEC. 22 T. 13 R. 20W
SW SE SW

Total Depth. 3838'
Comm. 8-17-57 Comp. 8-26-57
Shot or Treated.
Contractor. Garvey Drilg. Co.
Issued. 11-23-57

County Ellis
KANSAS



CASING:
8 5/8" 237' cem w/150 sx.
4 1/2" 3830' cem w/625 sx.

Elevation. 2214' DF

Production. 110 BOPD, NW

Figures indicate Bottom of Formations.

surface rock	50
shale & shells	300
shale, sand, pyrite streaks	1000 ✓
sand	1225
red bed & shale	1518
Anhydrite	1550
shale & shells	2080
lime & shale	2650
sand & shale	2680
lime & shale	3430
lime	3819
lime & chert	3828
lime	3838
Total Depth	

TOPS: SCOUT	
Anhydrite	1515
Heebner	3448
Toronto	3467
Lansing	3487
Base Kansas City	3762
Arbuckle	3828