

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 # 5086
Name Pintail Petroleum, Ltd.
Address 412 E. Douglas, Suite One
City/State/Zip Wichita, KS 67202

Purchaser Triton Oil & Gas/Central States
Dallas, Texas

Operator Contact Person Innes Phillips
Phone 316/263-2243

Contractor: License # 4630
Name Mallard JV, Inc.

Wellsite Geologist Innes Phillips
Phone 316/263-2243

Designate Type of Completion
New Well Re-Entry Workover
Oil SWD Temp Abd
 Gas Inj Delayed Comp.
Dry Other (Core, Water Supply etc.)

If OWO: old well info as follows:
Operator Mid-Continent Petroleum Corp.
Well Name #1 Anna Redetzke
Comp. Date 5/21/48 Old Total Depth 4230

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
6/8/88 6/9/88 7/14/88
Spud Date Date Reached TD Completion Date
4233
Total Depth PBD
Amount of Surface Pipe Set and Cemented at 305'-see old file
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
Cement Company Name
Invoice #

API NO. 15-145-07-004-0001
County Pawnee
W/2 SW SW Sec 34 Twp 23 Rge 15 East West

660 Ft North from Southeast Corner of Section
4950 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

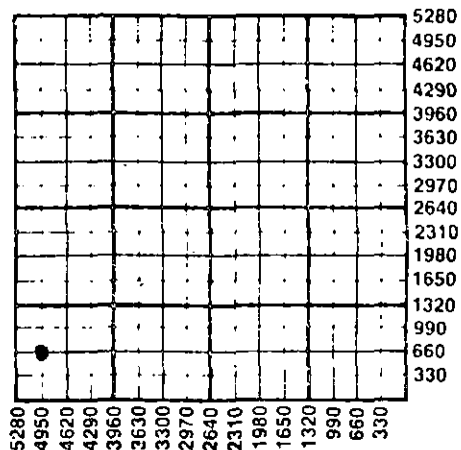
Lease Name Eickmeyer Well # 1

Field Name South Macksville

Producing Formation Viola

Elevation: Ground 2014 KB 2022

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # T-88-274

Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West

Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West

Other (explain) (purchased from city, R.W.D. #)

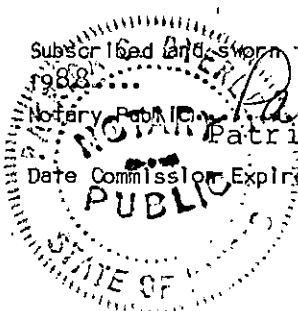
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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 Walter James Phillips
Title President of Pintail Petroleum, Ltd. Date 8/24/88

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

Subscribed and sworn to before me this 24 day of August 1988
Notary Public Patricia C. Byerlee
Date Commission Expires 12/11/89



Sec 34, Twp 23, Rge 15

Operator Name Pintail Petroleum, Ltd. Lease Name Fickmeyer Well # 1

Sec. 34 Twp. 23 Rge. 15 East West County Pawnee

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	Subsea
Stone Corral	940	+1074
Fl. Flint	2260	- 276
Heebner	3523	-1509
Brown Lime	3663	-1649
Lansing	3668	-1654
Viola	4023	-2009
Simpson	4116	-2102
Arbuckle	4174	-2160

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
Surf - see file on Mid-Continent Ref. Co. #1 Anna Redetzke as this is a OWO of that well.							
Production	(used)	4 1/2	9.5#	4227	50/50 poz	150	18% salt, 3/4% CFR-2.

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1	4034, 4037, 4040, 4054, 4057, 4060	2000 gal. 15% MCA	
1	4062, 4069, 4071, 4080, 4084, 4087	frac w/ 924 bbls gelled water	
1	4089, 4102, 4107, 4110	60,000# sand	

TUBING RECORD Size 2-3/8" Set At 4022 Packer at _____ Liner Run Yes No

Date of First Production see copy of 4-pt. test attached Producing Method Flowing Pumping Gas Lift Other (explain) _____

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	Bbls	570 MCF	Bbls	CFPB	

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) _____
 Used on Lease Dually Completed Commingled

MULTIPOINT BACK PRESSURE TEST

TYPE TEST: Initial Annual Special TEST DATE: 7-28-88

COMPANY: PINTAIL LEASE: EICHMEYER WELL NO.:

COUNTY: PAWNEE LOCATION: 660' FSL 4950' FEL 34-23S RMO: 15W ACRES: FILE
 FIELD: RESEVOIR: PIPELINE CONNECTION: NA

COMPLETION DATE: PLUG BACK TOTAL DEPTH: PACKER SET AT:

CASING SIZE: WT. ID. SET AT. PERF. TO

TUBING SIZE: WT. ID. SET AT. PERF. TO

TYPE COMPLETION (Describe): TYPE FLUID PRODUCTION:

PRODUCING 11.7U TUBING RESERVOIR TEMPERATURE: BAR PRESS - P_a: 14.4 Psia

GAS GRAVITY - G_s: .650 (est) % CARBON DIOXIDE: % NITROGEN: API GRAVITY OF LIQUID:

VERTICAL DEPTH (H): TYPE METER CONN.: (METER) (PROVER) SIZE: 2"

REMARKS: 15 MIN BUILD UP TUB 1074 CSG 1191

OBSERVED DATA DURATION OF SHUT-IN: 72+ HR.

RATE No.	ORIFICE SIZE in.	(PROVER) PRESSURE psig	DIEP. (h _w) (ft)	FLOWING TEMP. t	WELL-HEAD TEMP. t	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbl/c
						psig	(P _w)(P _s)(P _d) psia	psig	(P _w X P _s X P _d) psia		
SHUT IN						1227	1241.4	1227	1241.4	72+	
1	3/32	1200	-	64	-	1200	1214.4	1200	1214.4	1	
2	1/8	1169	-	65	-	1169	1183.4	1169	1183.4	1	
3	5/32	965	-	65	-	1143	1157.4	965	979.4	1	MIST OIL
4											
5											

RATE OF FLOW CALCULATIONS

RATE NO.	COEFFICIENT (F _o)(F _p) Mc/d	(PROVER) PRESSURE psia	EXTENSION √ P _m h _w	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{dv}	RATE OF FLOW Q Mc/d	GOR	γ _g
1	.1446	1214.4	-	1.24	.9962	1.130	245 *		
2	.2716	1183.4	-	1.24	.9952	1.127	447 *		
3	.4288	979.4	-	1.24	.9952	1.102	571 *		
4									
5									

PRESSURE CALCULATIONS

RATE NO.	P _i psia	P _c psia	P _w psia	(P _c) ² THOUSANDS	(P _w) ² THOUSANDS	PLOTTING POINTS		% SHUT-IN 100 [(P _w -P _a)/(P _c -P _a)]
						(P _c) ² - (P _w) ² THOUSANDS	Q Mc/d	
1	1214.4	1241.4	1214.4	1541.1	1474.8	66.3	245	97.8 %
2	1183.4		1183.4		1400.4	40.7	447	95.3 %
3	979.4		1157.4		1339.6	201.5	571	93.2 %
4								
5								

INDICATED WELLHEAD OPEN FLOW Mc/d @ 14.65 psia

The undersigned, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Executed this the _____ day of _____, 1988.

Witness (if any):

For Company

Mallard JV, Inc.
P.O. Box 1009
McPherson, KS 67460

DRILLERS' LOG

OPERATOR: Pintail Petroleum, Ltd. WELL: Eickmeyer #1 OWWO
412 E Douglas, Suite 1
Wichita, KS 67202 API#: 15-145-01,004
LOCATION: W/2 SW SW
COMMENCED: June 7, 1988 660 Ft. FSL, 4950 Ft. FEL
COMPLETED: June 9, 1988 Sec. 34 Twp. 23 S, Rge. 15 W
TOTAL DEPTH: 4233 Ft. COUNTY: Pawnee
ELEVATION: 2014 Ft. G.L.,
2022 Ft. K.B.

OLD WELL INFORMATION

Operator: Mid-Continent Petroleum Corp.
Well Name: Anna Redetzke #1
Comp. Date: 5-21-48
Old T. D.: 4230'
Surf. Pipe: 305'

REMARKS

Washed-down hole to 4233 ft. and ran 110 joints 4½" x 9.5# x 4219.68' casing. Set at 4229.26' and cemented w/500 gal. mud flush preceding 150 sacks 50/50 Pozmix, 18% salt, 3/4% CFR-2. P.D. @ 8:00 a.m. 6-9-88.

RECEIVED
STATE CORPORATION COMMISSION

AUG 25 1988

CONSERVATION DIVISION
Wichita, Kansas

STATE OF KANSAS)
) SS:
COUNTY OF McPHERSON)

I, BRYAN HESS of MALLARD DRILLING, do hereby certify that this is a true and correct copy of the log of the Eickmeyer #1 well as reflected by the files of Mallard Drilling.

Bryan Hess
Bryan Hess, Gen. Mgr.

Subscribed and sworn to before me this 17th day of June, 1988.

11-15-89
My Commission Expires

Don J. Reichenberger
Notary Public

