

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 # 8458
Name Trans-Western Operating Co.
Address P.O. Box 276
Golden, CO 80402
City/State/Zip

Purchaser: Permian Crop.
5800 E. Shell
Tulsa, OK 74135

Operator Contact Person D. J. Isern
Phone (303) 279-2995

Contractor: License # 6033
Name Murfin Drilling

Wellsite Geologist Russel Bak
Phone (303) 457-0042

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

If ONWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
☒ Mud Rotary ☐ Air Rotary ☐ Cable
9-18-88 9-25-88 10-18-88
Spud Date Date Reached TD Completion Date
5300' 5,173
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 430 feet
Multiple Stage Cementing Collar Used? ☒ Yes ☐ No
If yes, show depth set 1979 feet
If alternate 2 completion, cement circulated
from 1979 feet depth to surf 200 SX cmt
12-5-88 (600 CF)

API NO. 15-199-20-162-00-00

County Wallace
C... N/2 NE... Sec. 30... Twp. 15S... Rge. 42... ☐ East ☒ West

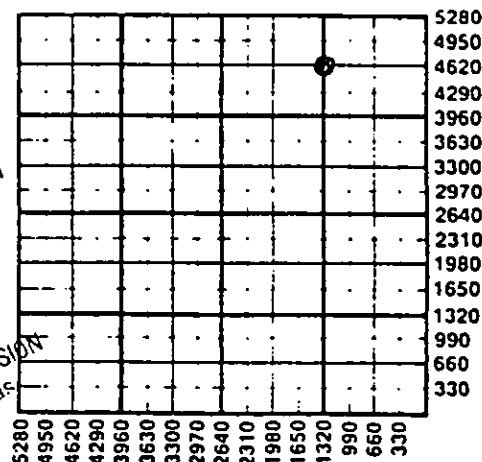
4,620 Ft North from Southeast Corner of Section
1,320 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Krautkramer Well # 3-30

Field Name Stockholm SW

Producing Formation Morrow

Elevation: Ground 3,908 KB 3,916
Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: ☒ Disposal
Docket # ☐ Repressuring

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

Source of Water:
Division of Water Resources Permit #

☐ 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) B. Palen, Arapahoe County.
(purchased from city, R.W.D. #)

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. Rule 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 H. Wayne Stack
Title Consultant Date 11-21-88

Subscribed and sworn to before me this 21st day of November
1988
Notary Public Kathleen H. Koch

Date Commission Expires October 25, 1990

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)

11-23-88

15-199-20162-00-00

SIDE TWO

Operator Name Trans-Western Operating Co. Lease Name Krautkramer Well # 3-30

Sec. 30 Twp. 15S Rge. 42 ☐ East ☒ West County Wallace RELEASED

MAR 07 1990

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.

FROM CONFIDENTIAL

Drill Stem Tests Taken ☐ Yes ☒ No
Samples Sent to Geological Survey ☐ Yes ☒ No
Cores Taken ☐ Yes ☒ No

Formation Description
☒ Log ☐ Sample

Name	Top	Bottom
Blaine Salt	2,285'	
Stone Corral	2,780'	
Heebner Shale	4,140'	
Morrow Shale	5,030'	
Marrow Sand	5,130'	
St. Genevieve Lm	5,180'	
Total Depth	5,300'	

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	430'	60% Poz	250	3% CC
Production	7-7/8"	5 1/2"	15.5	5,279'	50% Poz	12.5	5% 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	5,132-5,140	250 Gal 10% acetic acid Frac w/597 B 2% KCL wtr w/23,500# 20/40 sand	

TUBING RECORD	Size 2-7/8"	Set At 5,146	Packer at N/A	Liner Run ☐ Yes ☒ No
---------------	-------------	--------------	---------------	---

Date of First Production	Producing Method
10-23-88	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	1538bbls	Est 20 MCF	8 Bbls	130 CFPB	29

METHOD OF COMPLETION

Production Interval

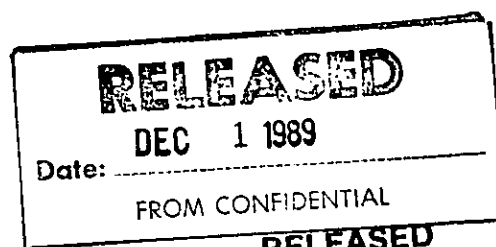
Disposition of gas: ☐ Vented ☐ Open Hole ☒ Perforation
☐ Sold ☐ Other (Specify)
☒ Used on Lease

5,132-5,140'

☐ Dually Completed
☐ Commingled

11/23/89
15-199-20162-00-00

Trans. Pacific Oil Corporation
111 One Main Place
Wichita, Kansas 67202



DRILLERS LOG

MAR 0 7 1990

FROM CONFIDENTIAL

1 Wing
24-16S 20W
Rush Count.
Kansas

STATE GEOLOGICAL SURVEY COMMISSION

LOG 2 5 1788

CONSERVATION DIVISION
Wichita, Kansas

Spud Date: 10-26-88
Comp. Date: 11-03-88

0 101
397-15.4
1501-21.4
2440-15.20
3020-35.34
3524-36.20
4020-38.39
4589-

Surface Clay
Shale & Red Beds
Shale & Lime
Shale & Lime
Shale & Lime
Shale & Lime
Shale & Lime
I.D.

RECEIVED
STATE GEOLOGICAL SURVEY COMMISSION
Wichita, Kansas

FEB 1 1989

CONSERVATION DIVISION
Wichita, Kansas

Surface: 14 jts now 8 5/8" 24# Set at 4592'
Cemented w/250 SXS 60'10"

Production: Ran 99 jts 1 1/2" Casing set 77.72
Cemented w/25 SXS 150 Posmiv

AFFIDAVIT

STATE OF KANSAS
COUNTY OF SEDGWICK

Alan D. Ranta, of lawful age does swear and state that the facts and statements herein are true and correct to the best of his knowledge.

Alan D. Ranta
Alan D. Ranta

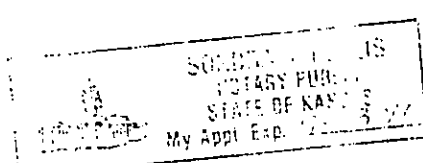
Subscribed and sworn to before me this 11th day of June 19 88

Notary Public

Sondra J. Follis
Notary Public
Sondra J. Follis

MAR 23 1989

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH



BJ-TITAN SERVICES COMPANY

CUSTOMER COPY

SERVICES/MATERIAL CONTRACT

DATE OF JOB		
MM	DD	YY
10	10	88

CONTRACT NO.
424678

DIRECT CORRESPONDENCE TO:	TERMS:	REMIT TO:
P.O. BOX 4442 HOUSTON, TX 77210	NET 30 DAYS FROM DATE OF CONTRACT	P.O. BOX 200416 HOUSTON, TX 77216

ORDER NO.

CUSTOMER		
NAME Transwestern Operating Co.	NO.	
ADDRESS		
CITY	STATE	ZIP CODE
AUTHORIZED BY Wayne Stack		

JOB INFORMATION		ROUND TRIP MILES	
ARRIVED		RELEASED	
HH MM	MM DD YY	HH MM	MM DD YY
11:00	P 16 10 88		
JOB CODE 0106	TYPE OF JOB Port Giller	API OR IC NO.	
AVG. PSI	BUSINESS CODE	INJ. RATE (BPM)	WORKING WELL DEPTH

DESCRIPTION OF WELL			
WELL NO. 3-30	OIL ☒	NEW ☒	STATE Kansas
LEASE NAME Kraut Kramer	GAS ☐	OLD ☐	CODES 15
FIELD NAME Arapahoe	COUNTY/PARISH Wallace		109
OWNER Transwestern Op Co.	CITY		
LEASE LINES	MTA DISTRICT		
SURVEY LINES		FEDERAL OFFSHORE LEASE NO.	
DIRECTIONS TO LOCATION Weskey 3W-9S-1/2W			
SECTION, TOWNSHIP, RANGE 30-15-42 W.			
QUADRANT			

DIST. NO.	DISTRICT NAME	SUSAN NO.
3320	Dakley, Kansas	

CONTRACT CONDITIONS

This contract must be signed before the job is started or merchandise delivered. The undersigned is authorized to execute this contract as an Agent of the Customer. As such, the undersigned acknowledges that this contract for services, materials, products and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional substitute terms and/or conditions shall become a part of this contract without the written consent of an Officer of BJ-TITAN SERVICES COMPANY.

SIGNED: **Wayne Stack**
(WELL OWNER: OPERATOR, CONTRACTOR OR AGENT)

PRICE BOOK REF. NO.	SERVICES/MATERIAL	U/M	QUANTITY	PRICE	EXTENSION
01 1.0.1.0.2.1.1.5	Pump services	Ea	1	879.00	879.00
02 1.0.1.0.9.0.0.5	Pump truck mileage 61 mi Round trip	mi.	122	1.10	134.20
03 1.0.4.1.0.5.0.4	Common Cement	SK	130	6.00	780.00
04 1.0.4.1.5.0.1.8	Permit	SK	70	3.62	253.40
05 1.0.4.2.0.1.4.5	RT-401	CUY	17.60	6.75	118.80
06 1.0.4.2.1.0.0.5	A-2	lb.	352	1.00	352.00
07	Handling & dumping	CUY	200	95	190.00
08	Hauling 9.9 X 41 mi	Tmi.	603.9	70	422.73
09					3130.12
10					626.03
11					2504.10
12					
13					
14					
15					
16					

RECEIVED
STATE CORPORATION COMMISSION

NOV 23 1988

CONSERVATION DIVISION
Wichita, Kansas

SERVICE REPRESENTATIVE Kenneth D. Bolome	PR. BOOK 07	The above material and service ordered by the Customer and received by: Wayne Stack (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)
--	-----------------------	--

BJ-TITAN SERVICES

P.O. BOX 4442 HOUSTON, TX 77210

CEMENTING LOG

STAGE NO.

Date 10-10-88 District Oakley Ticket No. 4241678
 Company Transwestern Operating Co. Rig
 Lease Knut Knauer Well No. 3-30
 County Wallace State Kansas
 Location WESKGA 3W-95-1/2 Field

CASING DATA PTA ☐ Squeeze ☐
 Surface ☐ Intermediate ☐ Production ☒ Liner ☐
 Size 5 1/2 Type J-55 Weight 13.5 Collar

Casing Depths Top Bottom

Drill Pipe Size Weight Collars
 Open Hole Size T.D. ft. P.B. to ft.

CAPACITY FACTORS

Casing Bbls/Lin. ft. Lin. ft./Bbl.
 Open Holes Bbls/Lin. ft. Lin. ft./Bbl.
 Drill Pipe Bbls/Lin. ft. Lin. ft./Bbl.
 Annulus Bbls/Lin. ft. Lin. ft./Bbl.
 Perforations From ft. to ft. Amt.

CEMENT DATA:

Type:
 Amt. 200 Skys Yield 3.0 ft³/sk Density 10.4 PPG
Thiety mix

LEAD: Pump Time hrs. Type
 Excess

Amt. Skys Yield ft³/sk Density PPG

TAIL: Pump Time hrs. Type
 Excess

Amt. Skys Yield ft³/sk Density PPG

WATER: Lead gals/sk Tail gals/sk Total Bbls.

Pump Trucks Used

Bulk Equip.

Float Equip: Manufacturer

Shoe: Type Depth

Float: Type Depth

Centralizers: Quantity Plugs Top Btm.

Stage Collars

Special Equip.

Disp. Fluid Type Fresh Water Amt. 8 Bbls. Weight PPG

Mud Type Weight PPG

COMPANY REPRESENTATIVE Wayne Stock

CEMENTER Kenneth D. Paduane

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	
11:00 AM						On location
11:30 AM						Set up truck
11:45 AM						Hold safety meeting
1:10 PM						Hook up to thg
1:15 PM	500					TEST Port closed
1:18	300	300				fresh water shed of cement
1:20						MIX cement
1:30						Cement mixed. Shoot on water, Agit
1:51				8		To mix slugs. Displace cement
1:51						Close Port collar
1:52	1000					Pressure Test Port collar
2:05						Reverse Cement out of Thg.
2:10						Job Completed

RECEIVED
 STATE CORPORATION COMMISSION

10/13/88 1038

CONSERVATION DIVISION
 Wichita, Kansas

[Signature]