

FORM MUST BE TYPED

SIDE ONE

COPY

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 4419Name: BEAR PETROLEUM INC.Address P.O. Box 438City/State/Zip Haysville, KS 67060Purchaser: Cooperative Refining LLCOperator Contact Person: Dick SchremmerPhone (316) 524-1225Contractor: Name: Summit Drilling Co. Inc.License: 30141Well Site Geologist: William H. Shepherd

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.

☐ Gas ☐ ENHR ☐ SIGW

☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD

☐ Plug Back ☐ PBTD

☐ Commingled ☐ Docket No. _____

☐ Dual Completion ☐ Docket No. _____

☐ Other (SWD or Inj?) ☐ Docket No. _____

2-14-00 2-22-00 3-30-00

Spud date _____ Date Reached TD _____ Completion Date _____

API NO. 15- 15-173-20910-0000County SedgwickC W/2 - W/2 SW Sec. 8 Twp. 26 Rge. 2 ☒ E ☐ W1320 Feet from ☒ N (circle one) Line of Section4950 Feet from ☒ E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name Tjaden Well # A-1Field Name FairviewProducing Formation HuntonElevation: Ground 1422 KB 1433Total Depth 3434 PBTD 3434Amount of Surface Pipe Set and Cemented at 227 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan AH-1, 5-4-'00 U.C.
(Data must be collected from the Reserve Pit)Chloride content 1400 ppm Fluid volume 180 bblsDewatering method used pumped thru waterline


Location of fluid disposal if hauled offsite: _____

Operator Name BEAR PETROLEUM INC.Lease Name Tjaden License No. 4419SW Quarter Sec. 8 Twp. 26 S Rng. 2 ☒ E/WCounty Sedgwick Docket No. E-24,832

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rules 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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 [Signature]Title President Date 4-17-00Subscribed and sworn to before me this 17th day of April, 2000.Notary Public Shannon HowlandDate Commission Expires 3-10-2004

 SHANNON HOWLAND
Notary Public - State of Kansas
My Appt. Expires 3-10-04

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input type="checkbox"/> KCC	<input type="checkbox"/> SWD/Rep	<input type="checkbox"/> NGPA
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug	<input type="checkbox"/> Other
(Specify)		

Form ACO-1 (7-91)

SIDE TWO

Operator Name BEAR PETROLEUM INC.Lease Name TJADENWell # A-1Sec. 8 Twp. 26 Rge. 2 ☒ East
☐ WestCounty Sedgwick

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
(Attach Additional Sheets.)Samples Sent to Geological Survey ☒ Yes ☐ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No
(Submit Copy.)List All E.Logs Run:
Gamma - Neutron☐ Log Formation (Top), Depth and Datums ☒ Sample

Name	Top	Datum
Mississippi Limestone	2969	- 1537
Mississippi Chert	2974	- 1542
Kinderhook Shale	3246	- 1814
Hunton	3306	- 1874
Viola	3331	- 1899
Simpson Sand	3346	- 1914
Lower Simpson Sand	3400	- 1968
RTD	3434	- 2002

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"	20	227	60/40	200	3% CC
Production	7-7/8"	5-1/2"	15	3399	60/40	150	1300# salt

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD	2399-3434	common	50	2% CC
<input checked="" type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	CIBP at 3326'	natural	3313'-16'

TUBING RECORD	Size <u>2-1/2"</u>	Set At <u>3316'</u>	Packer At <u>N/A</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SMD or Inj.	<u>4-10-00</u>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil <u>12</u> Bbls.	Gas <u>N/A</u> Mcf	Water <u>250</u> Bbls.	Gas-Oil Ratio <u>40</u> Gravity

Disposition of Gas: METHOD OF COMPLETION

☒ Vented ☐ Sold ☐ Used on Lease
(If vented, submit ACO-18.)☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

Production Interval

3313'-16'