SIDE ONE

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

Operator: License # 9449

Name: Great Eastern Energy & Dev. Corp.

Address 5990 Greenwood Plaza Blvd.,#131

City/State/Zip Englewood, CO. 80111

Purchaser: Zoandra Gathering Systems, Inc.

Operator Contact Person: John W. Smith

Phone (303) 773-6016

Contractor: Name: Kephart Drilling, Inc.

License: #5379

Wellsite Geologist: John W. Smith

Designate Type of Completion
X New Well ___ Re-Entry ___ Workover

___ Oil ___ SWD ___ Temp. Abd.
X 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 _____

Drilling Method:
___ Mud Rotary X Air Rotary ___ Cable

11/23/90 Spud Date | 11/24/90 Date Reached TD | 1/9/91 Completion Date

API NO. 15- 125 - 29,240

County Montgomery

SE NW NE Sec. 24 Twp. 31 S. Rge. 15 X East ___ West

4290 Ft. North from Southeast Corner of Section

1650 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

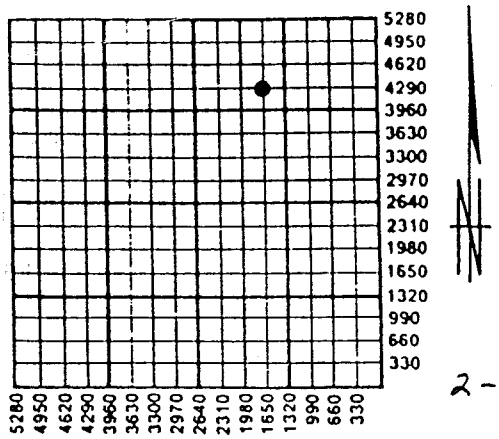
Lease Name Burck Well # 3

Field Name Jefferson-Sycamore

Producing Formation Cherokee Coal Beds

Elevation: Ground 830' KB N/A

Total Depth 1172' PBTD 1157'



Amount of Surface Pipe Set and Cemented at 20 Feet

Multiple Stage Cementing Collar Used? ___ Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 1170

feet depth to Surface w/ 120 sx cmt.

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 John W. Smith

Title Exec. Vice President Date 1/17/91

Subscribed and sworn to before me this 17th day of January, 19 91.

Notary Public Audrey V. Nakata

Date Commission Expires 8/22/93

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)

Form ACO-1 (7-89)

SIDE TWO

Operator Name Great Eastern Energy & Dev. Corp. Lease Name Burck Well # 3

Sec. 24 Twp. 31S Rge. 15 ☒ East ☐ West County Montgomery

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 (Attach Additional Sheets.) ☐ Yes ☒ No

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☒ Yes ☐ No

Formation Description

☒ Log ☐ Sample

Name	Top	Bottom
Pawnee Ls.	606'	638'
Oswego Ls.	700'	752'
Cherokee Gp.	758'	1159'
Mulky Coal	-	-
Bevier Coal	-	-
Weir-Pittsburgh Coal	942'	947'
Bartlesville SS	1005'	1058'
Tucker/Burgess SS	1062'	1102'
Riverton Coal	-	-
Mississippian System	1159'	TD

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	8-5/8"	7"		20'	Cmn	3	
Production	6-1/4"	4-1/2"	10.5	1170'	Owc	120	5% Salt, 2% gel, 5% gilsonite

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	942'-947'	75 gal.15% HCL, 200 Bbl. pad 3000# 12/30 Sd, 4000# 10/20 Sd, W/310 Bbl. 40# X-link	942'-947'

TUBING RECORD Size 2-3/8" Set At 952' Packer At ---

Liner Run ☐ Yes ☒ No

Date of First Production * 1/13/91

Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	--	35	60		

Disposition of Gas: ☐ Vented ☒ Sold ☐ Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION ☐ Open Hole ☒ Perforation ☐ Dually Completed ☐ Commingled ☐ Other (Specify)

Production Interval 942'-947'

* De-Watering phase commenced

KEPHART DRILLING INC.
R.R. 1 BOX 68A
THAYER, KANSAS 66776

Great Eastern

Burke #3

24-31-15E

4290 N of S

1650'W of E

125-29,240

Started 11-23-90

Finished 11-24-90

20' of 7" - 3 cement

MG

0'	-	17'	clay
17'	-	78'	shale
78'	-	80'	lime
80'	-	128'	shale
128'	-	135'	lime
135'	-	144'	shale
144'	-	158'	lime
158'	-	181'	shale
181'	-	218'	lime
218'	-	219'	shale
219'	-	238'	lime
238'	-	240'	shale
240'	-	265'	sand (wet)
265'	-	270'	shale
270'	-	307'	lime
307'	-	320'	shale
320'	-	332'	lime
332'	-	434'	shale
434'	-	460'	lime
460'	-	476'	shale
476'	-	487'	lime
487'	-	490'	shale
490'	-	496'	lime
496'	-	530'	shale
530'	-	560'	sandy shale
560'	-	607'	shale
607'	-	631'	lime
631'	-	636'	shale
636'	-	650'	sandy shale
650'	-	666'	sand
*663'			oder
666'	-	687'	sandy shale
687'	-	701'	shale
701'	-	736'	lime
736'	-	739'	shale
739'	-	753'	lime
753'	-	762'	shale
762'	-	763'	coal
763'	-	764'	shale
764'	-	770'	lime
770'	-	807'	shale
807'	-	808'	coal
808'	-	843'	shale
843'	-	844'	coal
844'	-	857'	shale
857'	-	868'	sand
*872'			oder
868'	-	870'	sandy shale
870'	-	882'	sand
882'	-	886'	shale
886'	-	907'	sand (oil)
907'	-	943'	shale
943'	-	947'	coal (water)
947'	-	949'	shale
949'	-	960'	sand (water)
960'	-	965'	sandy shale (oil oder)
965'	-	1030'	sand oder
1030'	-	1035'	sandy shale
1035'	-	1115'	sand
*1092'	-	1115'	water
1115'	-	1157'	shale
1157'	-	1158'	coal
1158'	-	1172'	mississippi mud
1172'	Total Depth		

Great Eastern

Burke #3 cont'