

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

New Well Re-Entry Workover

Oil SWD Temp. Abd.

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 Air Rotary Cable

9/22/90 9/22/90 1/5/91
Spud Date Date Reached TD Completion Date

API NO. 15- 205 - 24,883 0000

County Wilson

NE NW SE Sec. 34 Twp. 30 S. Rge. 15 East West

2310 Ft. North from Southeast Corner of Section

1780 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Mustain Well # 2

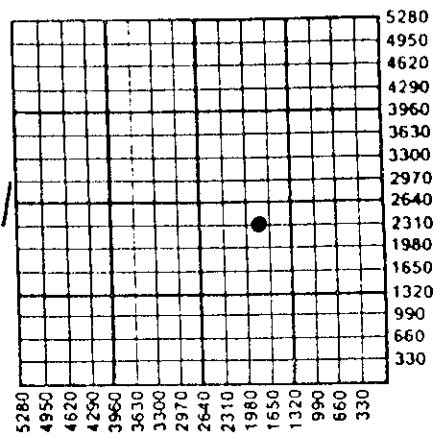
Field Name Neodesha

Producing Formation Cherokee Coal Beds

Elevation: Ground 1002' KB N/A

Total Depth 1313' PBTD 1292'

01-18-91



1-18-91

Amount of Surface Pipe Set and Cemented at 40 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 1312

feet depth to Surface w/ 150 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 1/16/91

Subscribed and sworn to before me this 16th day of January, 19 91.

Notary Public _____

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)

SIDE TWO

Operator Name Great Eastern Energy & Dev. Corp. Lease Name Mustain Well # 2

Sec. 34 Twp. 30S Rge. 15 East West
 County Wilson

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<p align="center">Formation Description</p> <p align="center"><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> </tr> </thead> <tbody> <tr> <td>Pawnee Ls. _____</td> <td style="text-align: center;">823'</td> <td style="text-align: center;">839'</td> </tr> <tr> <td>Oswego Ls. _____</td> <td style="text-align: center;">894'</td> <td style="text-align: center;">938'</td> </tr> <tr> <td>Cherokee Gp. _____</td> <td style="text-align: center;">942'</td> <td style="text-align: center;">1302'</td> </tr> <tr> <td>Mulky Coal _____</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Bevier Coal _____</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Weir-Pittsburgh Coal _____</td> <td style="text-align: center;">1115'</td> <td style="text-align: center;">1121'</td> </tr> <tr> <td>Bartlesville SS _____</td> <td style="text-align: center;">1145'</td> <td style="text-align: center;">1156'</td> </tr> <tr> <td>Tucker/Burgess SS _____</td> <td style="text-align: center;">1262'</td> <td style="text-align: center;">1294'</td> </tr> <tr> <td>Riverton Coal _____</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Mississippian System _____</td> <td style="text-align: center;">1302'</td> <td style="text-align: center;">TD</td> </tr> </tbody> </table>	Name	Top	Bottom	Pawnee Ls. _____	823'	839'	Oswego Ls. _____	894'	938'	Cherokee Gp. _____	942'	1302'	Mulky Coal _____	-	-	Bevier Coal _____	-	-	Weir-Pittsburgh Coal _____	1115'	1121'	Bartlesville SS _____	1145'	1156'	Tucker/Burgess SS _____	1262'	1294'	Riverton Coal _____	-	-	Mississippian System _____	1302'	TD
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CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> 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"		40'	Cmn	4	
Production	6-1/4"	4-1/2"	10.5	1312	Owc	150	5% Salt, 5% Gilsomite, 2% 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
4	1115'-1121'			50 gal Acid, 230 Bbl pad 1500# 12/30 & 13,500# 10/20 w/280 Bbl 40# X-Link			1115'-1121'
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size		Set At		Packer At			
2-3/8"		1126'					
Date of First Production		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
* 1/5/91							
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 1115'-1121'

* De-Watering phase commenced

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

Great Eastern	From	-	To	-	Formation
Mustang # 2	0'	-	5'	-	lime
	5'	-	33'	-	shale
Started: 9-21-90	33'	-	40'	-	lime
	40'	-	56'	-	shale
Finished: 9-22-90	56'	-	83'	-	lime
	83'	-	224'	-	shale
	224'	-	230'	-	lime
	230'	-	231'	-	shale
15-125-24,883	239'	-	258'	-	sand
	258'	-	273'	-	sandy shale
34-30-15E	273'	-	302'	-	sand
	302'	-	303'	-	coal
2310 N of S	303'	-	342'	-	shale
	342'	-	434'	-	lime
1780 W of E	*305'				no gas
	434'	-	445'	-	shale
WL	445'	-	472'	-	sand
	472'	-	500'	-	shale
	*500'				add water
	500'	-	576'	-	lime
	576'	-	587'	-	shale
	587'	-	618'	-	lime
	618'	-	627'	-	shale
	627'	-	652'	-	lime
	627'	-	652'	-	lime
	652'	-	668'	-	shale
	668'	-	686'	-	lime
	686'	-	691'	-	shale
	691'	-	702'	-	gas sand
	702'	-	723'	-	shale
	*706'				5" on 1/2" 14.1 MCF/Day
	723'	-	724'	-	coal
	724'	-	732'	-	shale
	732'	-	758'	-	sand
	758'	-	781'	-	shale
	781'	-	794'	-	sand
	794'	-	800'	-	shale
	800'	-	811'	-	sandy shale
	811'	-	816'	-	shale
	816'	-	817'	-	coal
	817'	-	823'	-	shale
	823'	-	841'	-	lime
	841'	-	855'	-	shale
	855'	-	874'	-	sand
	874'	-	894'	-	shale
	894'	-	9,823'	-	Oswego lime
	9,823'	-	929'	-	shale
	9*827'				GCS
	929'	-	944'	-	lime
	944'	-	957'	-	shale
	957'	-	958'	-	lime
	958'	-	983'	-	shale
	983'	-	984'	-	coal

Great Eastern

Mustang # 2

984'	-	1000'	-	shale
1000'	-	1001'	-	coal
1001'	-	1007'	-	shale
1007'	-	1010'	-	sand
1010'	-	1030'	-	sandy shale
1030'	-	1031'	-	coal
1031';	-	1072'	-	shale
1072'	-	1080'	-	sand - oil
1080'	-	1095'	-	sandy shale
1095'	-	1097'	-	coal
1097'	-	1116'	-	shale
1116'	-	1119.5'	-	coal
1119.5'	-	1148'	-	shale
1148'	-	1162'	-	sand
*1153'				4" on 1/2" 12.5 MCF/Day
1162'	-	1163'	-	coal
1163'	-	1168'	-	sandy shale
1168'	-	1176'	-	shale
1176'	-	1248'	-	sandy shale
1248'	-	1252'	-	sand
1252'	-	1269'	-	shale
1269'	-	1296'	-	sand - water
1296'	-	1301'	-	shale
1301'	-	1313'	-	lime
1313'		Total Depth		

STATION Chanute OPERATOR Tucson Guinotte

P.O. Box 884
Chanute, Kansas 66720
Phone (316) 431-9210

Ticket 81704

CONSOLIDATED OIL WELL SERVICES, INC.

Date <u>9-24-90</u>	Customer's Acct. No. <u>3309</u>	Sec.	Twp.	Range	Well No. & Farm <u>MUSTAN #2</u>	Place or Destination <u>S.W. Neodesha</u>
Charge To <u>Great Eastern of Tom Bruce</u>				Owner		County <u>Wilson</u>
Mailing Address <u>147 S. 4th P.O. Box 336</u>				Contractor		State <u>KS</u>
City & State <u>Neodesha KS 66757</u>				Well Owner Operator Contractor		

CEMENTING SERVICE DATA

TYPE OF JOB	CASING	HOLE DATA	PLUGS AND HEAD	PRESSURE	CEMENT LEFT IN CASING
Surface	New	Bore Size <u>6 1/4"</u>	Bottom	Circulating <u>100</u>	Requested
Production	Used	Total Depth <u>1313'</u>	Top	Minimum <u>300</u>	Necessity
Squeeze	Size <u>4 1/2"</u>	Cable Tool	Head <u>P.C.</u>	Maximum <u>800</u>	Measured
Pumping	Weight	FLOAT EQUIPMENT	Sacks Cement <u>150 sks 50/50 po2</u>		
Other	Depth <u>1297 shaft</u>	Rotary <u>A.R.</u>	Float shoe	Type & Brand <u>Portland "A"</u>	Admixes <u>5% salt 5% gilsonite</u>

FRACTURING - ACIDIZING SERVICE DATA 2%ozel

Type of Job	At Intervals of				
Bbls Fracturing Fluid	Breakdown Pressure from	psi to		psi	
Treating Pressures: Maximum	psi	Minimum	psi	Avg. Pump Rate	GPM/BPM Close In psi
Sand	Gals. Treating Acid		Type		Open Hole Diameter
Well Treating Through: Tubing	Casing	Annulus	Size	Weight	
Remarks: <u>Circulated well 2 hrs before cementing</u>					
No. Perforations	Pay Formation Name			Depth of Job	Ft.

CEMENTING

INVOICE SECTION

FRACTURING - ACIDIZING

Pumping Charge <u>1-cement</u>	Office Use \$	Pumping Charge	Office Use \$
Pumping Charge <u>50/50 po2</u> @ <u>540</u>	\$ <u>414.30</u>	Pumping Charge	\$
<u>150</u> Sacks Bulk Cement @ <u>1101</u>	<u>177.50</u>	<u>12x30</u> Sand @	
Ton Mileage on Bulk Cement <u>40</u> @ <u>6401</u>	<u>150.00</u>	<u>10x20</u> Sand @	
<u>3-sks</u> Premium Gel @ <u>1301</u>	<u>20.70</u>	x Sand @	
Flo-Seal @		Ton Mileage @	
Calcium Chloride @		Gals., Acid @	
<u>1-4 1/2"</u> Plug @ <u>1108</u>	<u>18.50</u>	Chemicals @	
<u>1-4 1/2"</u> DOWN HOLE Plug @ <u>4019</u>	<u>30.00</u>	@	
Equipment @		@	
<u>5 gals</u> polymer @ <u>1224</u>	<u>105.00</u>	@	
<u>5 sks</u> gilsonite @ <u>1304</u>	<u>85.00</u>	@	
<u>375 lbs</u> SALT @ <u>1305</u>	<u>45.00</u>	@	
<u>2 gals</u> AV-60 @ <u>1214</u>	<u>42.00</u>	Potassium Chloride @	
Granulated Salt @		Rock Salt @	
Transport Truck (Hrs.) @		Water Gel @	
Vac Truck (<u>7</u> Hrs.) @ <u>6201</u>	<u>308.00</u>	Transport Truck (Hrs.) @	
		Vac Truck (Hrs.) @	
		@	
	Tax <u>51.80</u>		Tax
	Total \$ <u>2058.00</u>		Total \$

A Finance Charge computed at 1 1/4% per month (annual percentage rate of 21%) will be added to balance over 30 days.

114011