

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 32606

Name: Devon Energy Production Company, L.P.

Address: 20 North Broadway, Suite 1500

City/State/Zip: Oklahoma City, OK 73102-8260

Purchaser: Tall Grass, LLC

Operator Contact Person: Robert Cole

Phone: (405) 235-3611

Contractor: Name: McPherson Drig.

License: #5675

Wellsite Geologist: Dave Fleming

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/Re-entry: Old Well Info as follows:

Operator:

Well Name:

Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to Enhr./SWD
☐ Plug Back ☐ Plug Back Total Depth
☐ Commingled ☐ Docket No.
☐ Dual Completion ☐ Docket No.
☐ Other (SWD or Enhr.?) ☐ Docket No.

9/17/02 Spud Date 9/18/02 TD 10/1/02
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

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RELEASED

MAR 15 2004

FROM CONFIDENTIAL

API No. 15 - 133-25892

County: Neosho

SE 1/4 Sec. 8 Twp. 29 S. R. 18 ☒ East ☐ West

2200 feet from S / (N) (circle one) Line of Section

2100 1300 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE (NW) SW

Lease Name: M. Umbarger 8 Well #: 2

Field Name:

Producing Formation: Cherokee Coal

Elevation: Ground: 1,002 ft. Kelly Bushing:

Total Depth: 1,190 ft. Plug Back Total Depth: 1,178 ft.

Amount of Surface Pipe Set and Cemented at 23 Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set Feet

If Alternate II completion, cement circulated from Surface

feet depth to 1,185 ft. w/ 170 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content N/A ppm Fluid volume N/A bbls

Dewatering method used

Location of fluid disposal if hauled offsite:

Operator Name:

Lease Name: License No.:

Quarter Sec. Twp. S. R. ☐ East ☐ West

County: Docket No.:

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. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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:

Title: Sr. Eng. Tech. Date: 1/2/03

Subscribed and sworn to before me this 2nd day of January

2003

Notary Public:

Date Commission Expires:

My Commission Expires June 27, 2008.

SHARMI LOU PLASTER

Canadian County

Notary Public in and for

State of Oklahoma

Commission # 02011077 Expires 6/27/08

KCC Office Use ONLY

YES Letter of Confidentiality Attached

If Denied, Yes ☐ Date:

YES Wireline Log Received

NO Geologist Report Received

UIC Distribution

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Side Two

COPY

Operator Name: Devon Energy Production Company, L.P. Lease Name: M. Umbarger 8 Well #: 2
Sec. 8 Twp. 29 S. R. 18 ☒ East ☐ West County: Neosho

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☐ Yes ☒ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No
(Submit Copy)

List All E. Logs Run:

GR, N, D, DIL

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☒ Log Formation (Top), Depth and Datum ☒ Sample

Name Top Datum

See Attachments

KCC**JAN 02 2003****CONFIDENTIAL****RECEIVED****JAN 06 2003****KCC WISN**

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	11"	8 5/8"	32 #/ft	23'	Portland	4	none
Production	7 7/8"	5 1/2"	14 #/ft	1,185'	CI 'A'	170	ThickSet

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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
4 spf	1,082'-1,086'Riverton, 1,056'-1,059'Neutral, 1,030'-		
4 spf	1,032', 1,021'-1,027'Rowe	500glFeHCl, Frac883Bbls11,700lbs20/40Sd	
4 spf	931'-933'Weir, 813'-815'Flemming	500glFeHCl, Frac405Bbls5,200lbs20/40Sd.	
4 spf	774'-777'Croweburg, 750'-753'Bevier	500glFeHCl, Frac435Bbls4,300lbs20/40Sd.	
4 spf	670'-674'Mulky, 657'-661'Summit	500glFeHCl, Frac520Bbls4,800lbs20/40Sd.	
TUBING RECORD		Liner Run ☐ Yes ☒ No	
Size	Set At	Packer At	
2 7/8"	1,091'-EOT	N/A	
Date of First, Resumed Production, SWD or Enhr. 10/8/02		Producing Method ☒ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls. N/A	Gas Mcf 95 Mcfd	Water Bbls. 180 bwpd Gas-Oil Ratio N/A Gravity N/A

Disposition of Gas

METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease
(If vented, Sumit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

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**Drillers Log
McPherson Drilling LLC**

ORIGINAL

Rig: 1 KCC
API No. 15- 133-25892-0000 JAN 02 2003
Operator: Devon SFS Operating, Inc.
Address: 20 N. Broadway, Suite 1500
 Oklahoma City, OK 73101-8838 CONFIDENTIAL
Well No: 2 **Lease Name:** M. Umbarger 8
Footage Location: ft. from the Line
 ft. from the Line
Drilling Contractor: McPherson Drilling LLC
Spud date: 9/17/02 **Geologist:** Dave Flemming
Date Completed: 9/18/02 **Total Depth:** 1190'

S. 8 T. 29 R. 18 E
Loc:
County: Neosho

Gas Tests:

464'
 565'
 665'
 677'
 785'
 1045'
 1090'

Casing Record			Rig Time:
	Surface	Production	Gas Tests: 1 hr.
Size Hole:	11"	7 7/8"	9/20/02
Size Casing:	8 5/8"	McPherson	Waiting for loggers 8:00am-8:30am
Weight:	20#		From 8:30am - 12:00pm
Setting Depth:	23.75'		Loggers arrived and logged off at
Type Cement:	Portland	McPherson	4 hrs.
Sacks:	4		5 hrs. TOTAL

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Well Log

Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
soil	0	3	shale	387	420	shale	751	771
sand (wet)	3	17	sand	420	427	lime	771	775
shale	17	28	shale	427	440	coal	775	776
sand (wet)	28	58	lime (oil)	440	455	shale	776	790
coal	58	59	shale	455	465	sand/shale	790	813
shale	59	60	sand	465	472	cola	813	814
coal	60	61	sand/shale	472	488	sand/shale	814	1010
shale	61	128	sand	488	520	sand	1010	1022
sandy lime	128	143	sand/shale	520	556	coal	1022	1026
lime	143	203	pink lime	556	561	shale	1026	1030
shale (blk)	203	208	coal	561	563	coal	1030	1033
sand	208	228	lime	563	593	shale	1033	1056
shale	228	232	shale	593	598	coal	1056	1058
sand	232	247	sand/shale	598	635	shale	1058	1082
coal	247	248	Osw lime	635	657	coal	1082	1085
shale	248	257	Summit	657	665	shale	1085	1090
lime	257	268	lime	665	670	Miss lime	1090	1190
shale	268	275	Mulky	670	674			
sandy lime	275	285	sand	674	680			
shale (wet blk)	285	300	sand/shale	680	730			
lime	300	350	lime	730	733			
shale	350	378	shale	733	750			
lime	378	387	coal	750	751			