

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

Operator: License # 31007

Name: Quantum Energy

Address P.O. box 250

City/State/Zip Red Lodge, MT 59068

Purchaser:

Operator Contact Person: Bill Wilson

Phone (.406.) 446-2630

Contractor: Name: Mokat Drilling

License: 5831

Wellsite Geologist: W.T. Stoeckinger

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ SWD ☐ SLOW ☐ Temp. Abd.☒ Gas ☐ ENHR ☐ SIGW☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator:

Well Name:

Comp. Date Old Total Depth

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD☐ Plug Back ☐ PBSD☐ Commingled ☐ Docket No.☐ Dual Completion ☐ Docket No.☐ Other (SWD or Inj?) Docket No.☐ 12/17/92 ☐ 12/19/92 ☐ 3/24/93

Spud Date Date Reached TD Completion Date

API No 15-205-25,031

County Wilson

- Ch NW- NW - SW Sec. 25 Twp. 28S Rge. 14 W

2310 Feet from S/N (circle one) Line of Section

330 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Edwards Tr. Well # 2

Field Name Wildcat

Producing Formation Weir Coal

Elevation: Ground 870 KB

Total Depth 1080 PBSD

Amount of Surface Pipe Set and Cemented at 40 Feet

Multiple Stage Cementing Collar Used? Yes ☒ No

Yes, show depth set Feet

Alternate II completion, cement circulated from 1004

feet depth to surface 170 sx cmt.

Drilling Fluid Management Plan None Air drill
(Data must be collected from the Reserve Pit)

Chloride content ppm Fluid volume bbls

Dewatering method used

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec. Twp.

County Docket No.

RELEASED

APR 28 1994

FROM CONFIDENTIAL

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 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 William Wilson

Title Operations Manager Date April 26, 1993

Subscribed and sworn to before me this 17th day of June 1993

Notary Public Helen J. Markley MAY - 3 1993

Date Commission Expires October 27, 1994

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Geologist Report Received

Distribution

KCC

KGS

SWD/Rep

Plug

(Signature)

JUN 1 1993

CONSERVATION DIVISION
Wichita, Kansas

Form ACO-1 (7-91)

Operator Name Quantum EnergyLease Name Edwards Tr. Well # 2
 Sec. 25 Twp. 28 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 ☐ 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:

 Nuutron Density
 Dual Induction

☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
Fort Scott	808	+62
Weir Coal	1008	-138

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"	14#	40	Port	5	
Production	6 1/4"	4 1/2"	9.5#	1004	Port	120	60/40poxmix 2% gel

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
--- Perforate				
--- Protect Casing				
--- PlugBackTD				
--- 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
	Open Hole 1004-1015	Sand frac'd with 50,000#	1009-1015

TUBING RECORD				Liner Run			
Size	Set At	Packer At		☐ Yes	☒ No		
2 3/8"							
Date of First, Resumed Production, SWD or Inj.				Producing Method			
				☐ Flowing	☒ Pumping	☐ Gas Lift	☐ Other (Explain)
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio Gravity

 Disposition of Gas: W. O. PC.
☐ Vented ☒ Sold ☐ Used on Lease

 METHOD OF COMPLETION
☒ Open Hole ☐ Perf. ☐ Dually Com ☐ Commingled

Production Interval

1000-1015