

TIGHT, HOLE 2-10-20w 9/14/87 KCC gnd

100 RELEASED
OCT 1 1988
KANSAS CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

SIDE ONE

Operator: License # 5063
Name Energy Exploration, Inc.
Address 1002 S. Broadway
City/State/Zip Wichita, KS 67211
Purchaser Koch Oil
Operator Contact Person Brad D. Lehl
Phone 316-267-7336
Contractor: License # 5107
Name H-30, Inc.
Wellsite Geologist Kevin Howard
Phone 316/267-7336
Designate Type of Completion
☒ New Well ☐ Re-Entry ☐ Workover
☒ Oil ☐ SWD ☐ Temp Abd
☐ Gas ☐ Inj ☐ Delayed Comp.
☐ Dry ☐ Other (Core, Water Supply etc.)
If OWWG: old well info as follows: N/A
Operator
Well Name
Comp. Date Old Total Depth

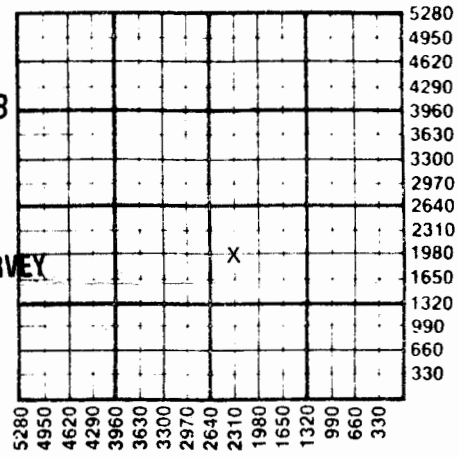
WELL HISTORY

Drilling Method:
☒ Mud Rotary ☐ Air Rotary ☐ Cable
7-22-87 7-30-87 8-22-87
Spud Date Date Reached TD Completion Date
4110' N/A
Total Depth PBTD
Amount of Surface Pipe Set and Cemented at 231 feet
Multiple Stage Cementing Collar Used? Yes ☒ No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/SX cmt
Cement Company Name
Invoice #

API NO. 15-179-20,900
County Sheridan
W/2. NW.. SE.. Sec 2... Twp 10S.. Rge 26... East
1980 Ft North from Southeast Corner of Section
2310 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)
Lease Name M.J. Werth Well # 1
Field Name
Producing Formation Lansing
Elevation: Ground 2586' KB 2591'

Section Plat

OCT 27 1988



KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

WATER SUPPLY INFORMATION

Disposition of Produced Water: ☒ Disposal
Docket # CD 128219 (C-21,63) ☐ Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #
Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West
Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West
Purchased from landowner
☒ Other (explain)
(purchased from city, R.W.D. #)

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. 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 Joseph D. Mace
Title President Date 9-15-87
Subscribed and sworn to before me this 15th day of September 1987
Notary Public Cheryl L. Idleman
Date Commission Expires 1-30-89

K.C.C. OFFICE USE ONLY
☒ Letter of Confidentiality Attached
☒ Wireline Log Received
☐ Drillers Timelog Received
Distribution
☒ KCC ☐ SWD/Rep ☐ NGPA
☒ KGS ☐ Plug ☐ Other
(Specify)

CHERYL L. IDLEMAN
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 1-30-89

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

Form ACO-1 (5-86)

SEP 21 1987

WAS-01-5

SIDE TWO

TIGHT HOLE 78795

Operator Name Energy Exploration, Inc. Lease Name..... Werth..... Well #...J.....

Sec.....2..... Twp.....10S..... Rge.....26..... ☐ East ☒ West County.....Sheridan.....

WELL LOG

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
 Samples Sent to Geological Survey ☒ Yes ☐ No
 Cores Taken ☐ Yes ☒ No

Formation Description
☒ Log ☒ Sample

DST #1 3798 -3854 (Tor., Lns. A) 30-60-60-60, Rec. 20' 0 spk. M, 480' W, 65,000 chl., IHP 1859, IFP 52-105, ISIP 819, FFP 148-232, FSIP 746, FHP 1849, temp. 121°.
 DST #2 3861 -3880 (Lns. B) 30-60-60-60, Rec. 600' GIP, 140' GO (36°), 120' MOCW (10% O, 10% M, 80% W), 660' W, 65,000 chl., IHP 1922, IFP 73-179, ISIP 881, FFP 254-423, FSIP 860, FHP 1890, temp. 128°.
 DST #3 3879 -3890 (Lns. D) 30-60-60-60, Rec. 1320' GIP, 370' CO (37°), 420' OCW (5% O), 60,000 chl., IHP 1922, IFP 73-137, ISIP 933, FFP 211-338, FSIP 881, FHP 1922, temp. 128°.
 DST #4 3907 -3928 (Lns. E,F) 30-60-60-60, Rec. 30' 0 spk. M, 1950' W, 70,000 chl., IHP 1933, IFP 444-820, ISIP 1029, FFP 925-1029, FSIP 1050, FHP 1923, temp. 128°.
 DST #5 3962-3990 (Lns. H) 30-60-60-60, Rec. 10' MW (50% M, 50% W), 30,000 chl., IHP 1985, IFP 52-52, ISIP 1133, FFP 63-74, FSIP 1071, FHP 1985, temp. 127°.

Name	Top	Bottom
Shale	0	2,207'
Anhydrite	2,207'	2,246'
Shale	2,246'	2,940'
Shale and Lime	2,940'	3,345'
Lime and Shale	3,345'	3,535'
Shale and Lime	3,535'	3,716'
Lime and Shale	3,716'	4,110'
Rotary Total Depth		4,110'

Formation	Sample	Log
Anhydrite	2207 +384	2212 +379
Heebner	3804 -1213	3807 -1216
Toronto	3826 -1235	3826 -1235
Lansing	3840 -1249	3843 -1252
Stark Shale	4035 -1444	4036 -1445
BKC	4076 -1485	4077 -1486
T.D.	4110	4111

DST #6 4009-4051 (Lns. J,K) 30-60-60-60, Rec. 40' M, 300' W, 45,000 chl., IHP 2006, IFP 84-137, ISIP 581, FFP 180-233, FSIP 434, FHP 1964, temp. 129°.

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#	231'	Common	140	3% cc. 2% gel
Production	7-7/8"	4-1/2"	10.5#	4109'	pozmix surefill	25	7-1/2# qil. 4# qil.
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	3884-3886			250 gals. 15% MCA acid		3884-86	
TUBING RECORD				Liner Run ☐ Yes ☒ No			
Size		Set At		Packer at			
2 3/8"		3921'		N/A			
Date of First Production		Producing Method					
9-2-87		☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
60		TSTM		70	N/A	38.8	
		Bbls	MCF	Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☒ Vented ☐ Open Hole ☒ Perforation
☐ Solid ☐ Other (Specify)
☐ Used on Lease ☐ Dually Completed
☐ Conmingled

3884-86