

RELEASED

MAR 1 1989

Do STATE CORPORATION COMMISSION OF KANSAS
FROM CONFIDENTIALITY CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

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 Drilling, Inc.

Wellsite Geologist Kevin L. 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 OWNQ: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
☒ Mud Rotary ☐ Air Rotary ☐ Cable
12-11-87 12-19-87 1-8-88
Spud Date Date Reached TD Completion Date
4100' N/A
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 234 feet
Multiple Stage Cementing Collar Used? ☒ Yes ☐ No
If yes, show depth set 2197 feet
If alternate 2 completion, cement circulated
from 2197 feet depth to surface 500 SX cmt
Cement Company Name B.J. Titan
Invoice # NB064

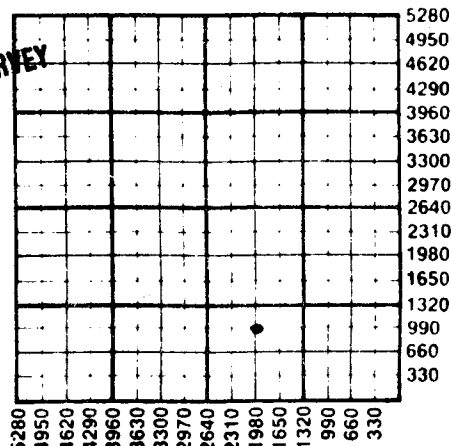
SIDE ONE

S

API NO. 15-179-20,913
County Sheridan
N/2. SW. SE. Sec. 2... Twp. 10S. Rge. 26... ☒ East
1990 Ft North from Southeast Corner of Section
1980 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name M. J. Werth Well # 2
Field Name wildcat
Producing Formation Lansing-Kansas City
Elevation: Ground 2578' KB 2583'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: ☐ Disposal
Docket # ☐ 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

☒ Other (explain) purchased from landowner
(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 1-18-88

Subscribed and sworn to before me this 13th day of January 1988
Notary Public Cheryl L. Idelman

Date Commission Expires 1-20-89

CHERYL L. IDELMAN
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 1-20-89

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)

Form ACO-1 (5-86)

W-25-01-S

TIGHT HOLE

SIDE TWO

Operator Name Energy Exploration, Inc. Lease Name..... M. J. Werth Well #..... 2

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 3787-3843 (Tor, Lns. A) 30-60-60-60, Rec. 145' M, few oil spks., IHP 1906, IFP 66-66, ISIP 1098, FFP 95-104, FSIP 1089, FHP 1886, temp. 118°.
DST #2 3846-3869 (Lns. B) 75-60-60-60, Rec. 1696' GIP, 330' CO (40 grav.), 669' CGO, 30' OCM, IHP 1984, IFP 76-181, ISIP 448, FFP 200-248, FSIP 448, FHP 1847, temp. 119°.
DST #3 3869-3880 (Lns. D) 30-60-60-60, Rec. 600' GIP 121' CO (40°), 60' CGO (60% O, 40% G), 60' HOCGM (50% M, 40% O, 10% G), IHP 1886, IFP 19-38, ISIP 353, FFP 66-85, FSIP 362, FHP 1867, temp. 118°.
DST #4 3896-3919 (Lns. E,F) 30-60-60-60, Rec. 160' GIP, 20' HOCGM (45% O), 60' OCWM (5% O), 60' MW, IHP 1925, IFP 28-38, ISIP 1011, FFP 38-66, FSIP 1011, FHP 1906, temp. 118°.
DST #5 3951-3980 (Lns. H) 30-60-60-60, Rec. 130' GIP, 10' CO, 40' HOCGM (15% O) IHP 1925, IFP 38-38, ISIP 1127, FFP 38-38, FSIP 1089, FHP 1906, temp. 120°.
DST #6 - see attached.

Name	Top	Bottom
Sand and Shale	0	158'
Shale	158'	237'
Shale and Sand	237'	2,100'
Shale	2,100'	2,208'
Anhydrite	2,208'	2,244'
Shale	2,244'	2,480'
Shale and Lime	2,480'	3,919'
Lime	3,919'	4,040'
Shale and Lime	4,040'	4,100'
Rotary Total Depth		4,100'

Formation	Sample	Log
Anhydrite	2208 +375	2210 +373
Topeka	3577 -994	3582 -999
Heebner	3798 -1215	3798 -1215
Toronto	3816 -1233	3819 -1236
Lansing	3832 -1249	3833 -1250
Stark	4022 -1439	4025 -1442
BKC	4066 -1483	4067 -1484
T.D.	4100	4099

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#	234'	Class A	150	3% cc 2% gel
Production	7-7/8"	4-1/2"	10.5#	4099'	50/50 Poz	50	2% gel
				2197'	Surefill Lite	150	
						500	
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	3874 to 3876			750 gals. 15% NE acid			3874-76
2	3862 to 3864			750 gals. 15% NE acid			3862-64
TUBING RECORD				Liner Run ☐ Yes ☒ No			
Size 2 3/8" Set At 3919		Packer at N/A					
Date of First Production	Producing Method						
1-15-88	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
	140 Bbls	TSTM MCF	N/A Bbls	N/A CFPB		35	

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☒ Vented ☐ Sold ☐ Used on Lease

☐ Open Hole ☒ Perforation ☐ Other (Specify)

☐ Dually Completed ☐ Conmingled

3874-76

3862-64

2-10-26W

Energy Exploration, Inc. - M.J. Werth #2
N/2 SW SE Sec. 2-T10S-R26W
Sheridan County, Kansas

DST #6 3995-4040 (Lns. J,K) 30-60-60-60, Rec. 190' GIP, 180' HOCMW (85% O, 10%W, 5% M), 60' OCMW (10% O, 50% M, 40% W), 240' OCMW (85% W, 10% M, 5% O) IHP 1945, IFP 47-85, ISIP 601, FFP 124-219, FSIP 572, FHP 1925, temp. 121°