SIDE ONE

S

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

Operator: License # 6581
Name Bison Energy Corp.
Address P.O. Box 782317
City/State/Zip Wichita, KS 67278

Purchaser Koch Oil
Wichita, Kansas

Operator Contact Person C. J. Lett III
Phone (316) 689-8393

Contractor: License # 5929
Name Duke Drilling Co., Inc.

Wellsite Geologist Dean L. Pattisson
Phone 316-689-8393

Designate Type of Completion
X New Well ___ Re-Entry ___ Workover

X 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

WELL HISTORY

Drilling Method:
X Mud Rotary ___ Air Rotary ___ Cable

11-09-88 | 11-15-88 | 11-14-88
Spud Date | Date Reached TD | Completion Date

4272' |
Total Depth | PBTD

Amount of Surface Pipe Set and Cemented at 236 feet
Multiple Stage Cementing Collar Used? ___ Yes X 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- 077-21,182

County Harper

approx.
S/2 NE NW Sec. 10 Twp. 31 Rge. 8 ___ East X West

4180 Ft North from Southeast Corner of Section
3230 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

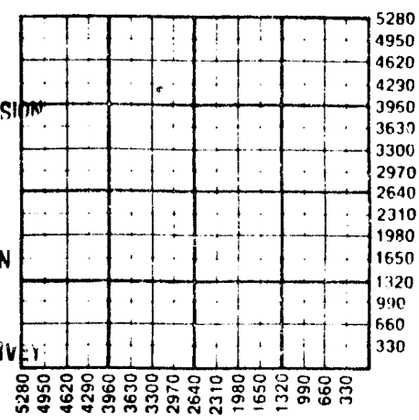
Lease Name Muir Well # 3B-10

Field Name Spivey-Grabs

Producing Formation Mississippi

Elevation: Ground 1657 KB 1664

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
FEB 27 1989
FEB 24 1989
CONSERVATION DIVISION
Wichita, Kansas
KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

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 # T88-545

X Groundwater 4180 Ft North from Southeast Corner
(Well) 3230 Ft West from Southeast Corner of
Sec 10 Twp 31 Rge 8 ___ East X 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 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 C. J. Lett, III
Title President Date 12-28-88

Subscribed and sworn to before me this 28th day of December, 19 88.
Notary Public Marilynn Evenson-Koob
Marilynn Evenson-Koob
Date Commission Expires

Marilynn Evenson-Koob
Notary Public - State of Kansas
My Appt. Expires 7-17-91

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)

Sec. 10 Twp. 31 Rge. 8 E

Form ACO-1 (5-86)

SIDE TWO

Operator Name Bison Energy Corp. Lease Name Muir Well # 3B-10

Sec. 10 Twp. 31 Rge. 8 ☐ East ☒ West County Harper

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

DST #1 4424'-4435', 30-60-60-90
Recovered 3265' GIP, 45' VHOCM (3% g, 56% o, 41% m, 0% w). SIP: 744-540/716#. FP: 52-31# 66-35#

Formation Description
☒ Log ☐ Sample

Name	Top	Bottom
Heebner Shale	3420'	(-1755)
Toronto Limestone	3451'	(-1786)
Douglas Group	3476'	(-1811)
Haskell Limestone	3651'	(-1986)
Lansing Group	3659'	(-1994)
Stark Shale	4070'	(-2405)
Hushpuckney Shale	4098'	(-2433)
BKC Group	4084'	(-2419)
Marmaton Limestone	4220'	(-2555)
Pawnee Limestone	4280'	(-2615)
Labette Shale	4308'	(-2643)
Cherokee Group	4321'	(-2656)
Mississippi Chert	4425'	(-2760)
Miss. Dolomite	4435'	(-2770)

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	12¼"	8-5/8"	20#	236'	60/40poz	130	2% gel, 3% cc
Production	7-7/8"	5½"	14#	4470'	Surfill	125	300 gal Mud Sweep

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4427'-4432'	20,000 gal. gel, 25000# sand	

TUBING RECORD Size 2 7/8" Set At 4455' Packer at — Liner Run ☐ Yes ☐ No

Date of First Production — Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain)

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	10 Bbls	10 MCF	Bbls	CFPB	

METHOD OF COMPLETION — Production Interval

Disposition of gas: ☐ Vented ☒ Sold ☐ Used on Lease
☐ Open Hole ☒ Perforation
☐ Other (Specify) .....
☐ Dually Completed
☐ Commingled