10-31-8W

COPY

FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 6381

Name: Bison Energy Corp.

Address 9320 E. Central

City/State/Zip Wichita, KS 67206

Purchaser:

Operator Contact Person: Dean Pattisson

Phone (316) 636-1801

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Dean Pattisson

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

X 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:

Comp. Date ____ Old Total Depth ____

____ Deepening ____ Re-perf. ____ Conv. to Inj/SWD
____ Plug Back ____ PBTD
____ Commingled Docket No. ____
____ Dual Completion Docket No. ____
____ Other (SWD or Inj?) Docket No. ____

12-22-93 (Spud Date) 01-03-94 (Date Reached TD) 1-16-94 (Completion Date)

API NO. 15- 077-21,275

County Harper

220'E SE-SW NW Sec. 10 Twp. 31 Rge. 8 E X W

2230 Feet from S/N (circle one) Line of Section

880 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 Muir Well # 3A-10

Field Name Spivey Grabs

Producing Formation Mississippi

Elevation: Ground 1625 KB 1633

Total Depth 4470' PBTD

Amount of Surface Pipe Set and Cemented at 229 Feet

Multiple Stage Cementing Collar Used? ____ Yes XXX No

If yes, show depth set ____ Feet

If Alternate II completion, cement circulated from ____

feet depth to ____ w/ ____ sx cmt.

Drilling Fluid Management Plan ALT I 5-20-94
(Data must be collected from the Reserve Pit)

Chloride content 800 ppm Fluid volume 1000 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

____ Quarter Sec. ____ Twp. ____ S Rng. ____ E/W

County Docket No.

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FEB 28 1994
CONSERVATION DIVISION
Wichita, Kansas

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

Title Vice President, Production Date

Subscribed and sworn to before me this 23rd day of February 19 94.

Notary Public Sondra J. Boyd
Sondra J. Boyd

Date Commission Expires May 13, 1995

SONDRA J. BOYD
State of Kansas
5-13-95

K.C.C. OFFICE USE ONLY
F ✓ Letter of Confidentiality Attached
C ✓ Wireline Log Received
C ____ Geologist Report Received

Distribution
✓ KCC ____ SWD/Rep ✓ NGPA
✓ KGS ____ Plug ✓ Other (Specify)

IS

Form ACO-1 (7-91)

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SIDE TWO

Operator Name Bison Energy Corporation Lease Name Muir Well # 3A-10

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

API#15-077-21275

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 (Attach Additional Sheets.) ☒ Yes ☐ No

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☐ Yes ☐ No

List All E.Logs Run:

DIL/CNL-CDL/GR/SP/RXP/RT

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

Name Top Datum

See Attached

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#	229'	60/40 poz	175	2% gel 3% cc.
Production	7-7/8"	5½"	15#	4468'	ASC	125	

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					

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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
1	4418-20 & 4424-28	AC: 2000 gal 7½% HCL	4397-4428
2	4397-99 & 4402-08	Frac: 56,000 Gal gel,	
		64,000# sd.	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8	4402		☐ Yes ☐ No

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
	10	50			

Disposition of Gas: ☐ Vented ☒ Sold ☐ Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other (Specify)

Production Interval 4418-28

Formation Data

API 15-077-21275

10-31-8W

COPY

API#:	1507721275	Formation:	HEEBNER	Top:	3386	Datum:	-1753
API#:	1507721275	Formation:	DOUGLAS	Top:	3433	Datum:	-1800
API#:	1507721275	Formation:	HASKELL	Top:	3621	Datum:	-1988
API#:	1507721275	Formation:	LANSING GP.	Top:	3628	Datum:	-1995
API#:	1507721275	Formation:	KC GP.	Top:	3877	Datum:	-2244
API#:	1507721275	Formation:	STARK SH	Top:	4040	Datum:	-2407
API#:	1507721275	Formation:	HUSHPUCKNEY	Top:	4068	Datum:	-2433
API#:	1507721275	Formation:	BKC GP	Top:	4152	Datum:	-2519
API#:	1507721275	Formation:	MARMATON	Top:	4182	Datum:	-2549
API#:	1507721275	Formation:	PAWNEE	Top:	4242	Datum:	-2609
API#:	1507721275	Formation:	LABETTE	Top:	4270	Datum:	-2637
API#:	1507721275	Formation:	CHEROKEE	Top:	4284	Datum:	-2651
API#:	1507721275	Formation:	MISS	Top:	4390	Datum:	-2757

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DST

API#: 1507721275 DST#: 1 Company: SUPERIOR # of Tests: 2

Formation: MISS

IHP:	2168	Intv Tstd:	4392	4410	Tool Times:	30	60	60	90
FHP:	2105	SIP:	755	794	FP:	70	51	91	59

First Flow Period

STG OFF BTM IN 30 SEC. NO GTS

Second Flow Period

STG GAS IMMED. GA: 20.7-15-9 MCFD

Recovery: 50' OCM, 20% O. 80%M 60 O& GCM, 33%g, 18% o, 34%M, 15% FILTRATE

API#: 1507721275 DST#: 2 Company: SUPERIOR # of Tests: 2

Formation: MISS

IHP:	2184	Intv Tstd:	4410	4430	Tool Times:	30	60	30	120
FHP:	2115	SIP:	754	847	FP:	84	65	116	91

First Flow Period

STG OFF BTM IN 30', DECREAS. THROUGHOUT NO GTS

Second Flow Period

STG, OFF BTM 30', DECREAS THROUGHTOUT GTS: 27"

Recovery: 30 O&GCM, 3%G, 22%O, 75%M. 60' O&GCM: 8%G, 13%O, 70%M, 8% FILTRATE 60' O&GCWM: 11%G, 9%O, 30%M, 50%W

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