

# ORIGINAL

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 # 6581

Name: Bison Energy Corp.

Address P.O. Box 782317

City/State/Zip Wichita, KS 67278

Purchaser: \_\_\_\_\_

Operator Contact Person: C.J. Lett, III

Phone (316) 689-8393

Contractor: Name: Lobo Drilling Company

License: 5864

Wellsite Geologist: Dean Pattison

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

If OAWD: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

10-11-90

10-18-90

Spud Date

Date Reached TD

Completion Date

API NO. 15- 077-21,217-0000

County Harper

C SE SW Sec. 10 Twp. 31 Rge. 8  East West

660 Ft. North from Southeast Corner of Section

3300 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

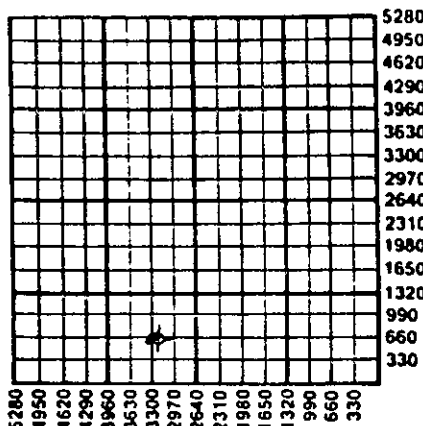
Lease Name Stephens Well # 4-10

Field Name Spivey-Grabs

Producing Formation \_\_\_\_\_

Elevation: Ground 1637 KB 1646

Total Depth 4783 PBDT \_\_\_\_\_



Amount of Surface Pipe Set and Cemented at 222 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

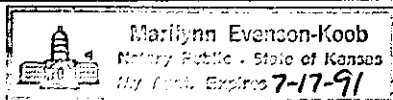
Signature \_\_\_\_\_

Title President Date 11-1-90

Subscribed and sworn to before me this 1st day of November, 19 90.

Notary Public Marlynn Evenson-Koob

Date Commission Expires \_\_\_\_\_



**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)

11-5-90  
NOV 5 1990

Form ACO-1 (7-89)

P1

**SIDE TWO**

Operator Name Bison Energy Corp. Lease Name Stephens Well # 4-10  
 Sec. 10 Twp. 31 Rge. 8  East County Harper  
 West

**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.)

Formation Description		
Name	Top	Bottom
Heebner Shale	3403	-1754
Douglas Gp.	3455	-1806
Haskell Ls	3639	-1990
Lansing GP	3669	-2012
KC Group	3895	-2246
Stark Shale	4055	-2406
Hushpuckney Sh	4086	-2437
Base KC Group	4167	-2518
Marmaton LS	4195	-2546

**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#	222'	50/40poz	150	2% gel 3%cc

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth

**TUBING RECORD** Size Set At Packer At Liner Run  Yes  No

Date of First Production \_\_\_\_\_ 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:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  
**METHOD OF COMPLETION**  Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

Bison Energy Corp.  
 Stephens #4-10  
 C SE SW, Sec. 10-31S-8W  
 Harper County, Kansas  
 ACO-1 Page Two

SAMPLE TOPS, cont'd

Pawnee LS	4255	-2606
Labette Sh	4288	-2639
Cherokee Gp	4302	-2653
Mississippi Osage	4397	-2748
Mississippi Ls	4617	-2968
Kinderhook Sh	4640	-2991
Viola Dolo	4732	-3083
Simpson SS	4771	-3122

DST #1

Test Interval:	4400'-4408'
Formation:	Mississippian Osage
Tool Interval:	30-60-60-90
IHP:	2242#
IFP:	58-99#
ISIP:	954#
FFP:	166-235#
FSIP:	950#
FHP:	2230#

Preflow: Very strong off bottom of bucket in 1 1/2". No GTS.

Final Flow: Strong, GTS: 20" Ga: 10.1-15.9 mcf/d

Recovery: 120' SMW  
 420' SW

DST #2

Test Interval:	4409'-4420'
Formation:	Mississippian Osage
Tool Interval:	30-60-30-60
IHP:	2282#
IFP:	44-44#
ISIP:	889#
FFP:	87-108#
FSIP:	871#
FHP:	2175#

Preflow: Strong, off bottom in 30". No GTS

Final Flow: Strong, GTS: 5". Ga: 7.9-7.1 mcf/d

Recovery: 70' MW with show of oil  
 180' SW

NOV 5 1990  
 11-5-90



P.O. Box 4442  
Houston, Texas

# ORIGINAL CEMENTING LOG

STAGE NO.

Date 10-11-90 District MED LODGE Ticket No. 611067  
 Company Duke Drilling Rig 10-80 Dills  
 Lease STEPHEN Well No. 4-10  
 County HARPER State KANS  
 Location MAG PIANT 22-15-1/2E-N15 Field

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 8 5/8 Type NEW Weight 29 Collar

Casing Depths: Top SURFACE Bottom 221 ft

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 12 1/4 T.D. 224 ft. P.B. to 221 ft.  
                         577 FT

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 0.637 Lin. ft./Bbl. 15.7  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type 40:60:2, 376  
A7P Excess \_\_\_\_\_  
 Amt. 1.50 Sks Yield 1.29 ft<sup>3</sup>/sk Density 14.3 PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 WATER: Lead 5.9 gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls.

Pump Trucks Used BSU2901 - BSU6980  
 Bulk Equip. BSU2906 - BSU6983

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type H2O FRESH Amt. 2.75 Bbls. Weight 8.39 PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE Edwin Nesdibars

CEMENTER Neal Papp

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						<u>Job &amp; SAFETY PROCEDURE</u>
						<u>RAN 8 5/8 TO 221 FT</u>
						<u>RTS UP / BREAK CIRCULATION</u>
<u>3:45</u>	<u>250</u>				<u>4</u>	<u>RTS UP TO CEMENT PUMP</u>
<u>3:53</u>			<u>33.0</u>	<u>33.0</u>		<u>START 40:60 POT</u>
<u>3:55</u>						<u>POT IN SHUT DOWN</u>
	<u>300</u>		<u>9</u>	<u>9</u>	<u>3</u>	<u>RELEASE PLUG / START DISP.</u>
<u>4:00</u>			<u>12.75</u>	<u>3.75</u>		<u>CEMENT TO SURFACE</u>
						<u>PLUG DOWN SHUT IN</u>
						<u>CIRCULATED Apx 20 SK</u>

NOV 5 1990  
11-5-90

Form No. SR 0502 (Rev. 3/90)  
Note: Must accompany job ticket.





P.O. Box 4442  
Houston, Texas

# CEMENTING LOG ORIGINAL

STAGE NO.

15-077-21217-0003

Date 10-13-90 District MED 6004 Ticket No. 611097  
 Company BEASON ENERGY CORP Rig LOBO #1  
 Lease STEPHANS Well No. 4-10  
 County WALTON State KANSAS  
 Location 10-315-3u Field SPURRY-CROBS  
MAG PLANT 2E, 1s, 1/2E, N1/2

CEMENT DATA:  
 Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 3 7/8" Type \_\_\_\_\_ Weight \_\_\_\_\_ Collar \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 TAIL: Pump Time \_\_\_\_\_ hrs. Type 40:60:6  
 Excess \_\_\_\_\_  
 Amt. 150 Sks Yield 1.53 ft<sup>3</sup>/sk Density 13.3 PPG  
 WATER: Lead \_\_\_\_\_ gals/sk Tail 7.3 gals/sk Total 28 Bbls.

Casing Depths: Top \_\_\_\_\_ Bottom \_\_\_\_\_

Pump Trucks Used 2901-6480 Max Eau  
 Bulk Equip. 2903-6483 JOHN KELLEY

Drill Pipe: Size 4 1/2" Weight 16.6# Collars XH  
 Open Hole: Size 7 7/8" T.D. 4782 ft. P.B. to \_\_\_\_\_ ft.

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type Mud Amt. \_\_\_\_\_ Bbls. Weight \_\_\_\_\_ PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft to \_\_\_\_\_ ft Amt. \_\_\_\_\_

COMPANY REPRESENTATIVE ERVIN NEIGHBORS

CEMENTER KEVIN PUNJAWATI

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
3:00						ON LOCATION, REG UP JOB + SAFETY MTS
10:20						SPOT 35cc @ 1500' SPOT 35cc @ 950' SPOT 35cc @ 275' CIRCULATE CEMENT TO SURFACE FROM 60' WITH 35cc 10cc IN ROPTHOLE 10cc IN MOUSEHOLE
12:00						

NOV 5 1990  
17-598

FINAL DISP. PRESS: \_\_\_\_\_ PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK \_\_\_\_\_ BBLs. THANK YOU