

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

ORIGINAL

Operator: License # 31632

Name: Bison Production Company

Address: 9320 East Central

City/State/Zip Wichita, Kansas 67206

Purchaser: Koch Oil Co., Warren NGL

Operator Contact Person: C.J. Lett

Phone: (316) 636-1801

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Dean Pattison

Designate Type of Completion

- New Well
- Re-Entry
- Workover
- Oil SWD SIGW Temp. Abd.
- Gas ENHR SIGW
- Dry Other (Core, WSV, 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 PSTD
- Combingled Docket No. _____
- Dual Completion Docket No. _____
- Other (SWD or Inj?) Docket No. _____

08-06-97 08-11-97 08-12-97
 Spud Date Date Reached TD Completion Date

API NO. 15- 077-21331 0000

County Harper County, Kansas

SE - SW - SW Sec. 16 Twp. 31S Rge. 8 XX^E

330 Feet from S (circle one) Line of Section

990 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or S (circle one)

Lease Name Critser Well # 1D-16

Field Name Spivey-Grabs

Producing Formation Mississippi

Elevation: Ground 1597' KS 1605'

Total Depth 4400' PSTD 4550'

Amount of Surface Pipe Set and Cemented at 214 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/ _____ ss cat.

Drilling Fluid Management Plan Att. 1, 8-20-98 U.C.
(Data must be collected from the Reserve Pit)

RECEIVED content 48,000 pps Fluid volume 958 bbls
KANSAS CORPORATION COMMISSION
Deviating method used Haul off - allow to dry-backfill.

DEC 16 1997
12-16-97
Location of fluid disposal if hauled offsite: _____

Operator Name Jody Oil & Gas
 WICHITA, KS
 Operator Name Sanders SWS License No. 3288
 Quarter Sec. 20 Twp. 31S Rge. 8 X/V
 County Harper Docket No. D23313

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 President Date 12-11-97

Subscribed and sworn to before me this 11th day of December 19 97

Notary Public _____

Date Commission Expires 4-14-2001
 NOTARY PUBLIC
 STATE OF KANSAS
 My Appl. Exp. _____

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)

Operator Name Bison Production Company

Lease Name Critser

Well # 1D-16

Sec. 16 Twp. 31S Rge. 8

East

County Harper County, Kansas

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.)

List All E.Logs Run:

Dual Induction, Compensated Density Neutron

Log Formation (Top), Depth and Datum Sample

Name Top Datum

Pawnee LS	4246'-2641'	-11'
Labette Sh.	4272'-2667'	- 8'
Cherokee Gp.	4284'-2679'	- 9'
Miss. Osage Cht	4385'-2780'	- 6'

*compared to Bison #2C-Critser, 120' W C SW 16-31-8

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#	214'	60/40 Poz	175	3%cc 2%gel
Production	7-7/8"	5-1/2"	14#	4400'	ASC	100	5#/sk kolseal

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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
2	4387-93'	43,693 x-link gel, 46,000# Sand	4393'

TUBING RECORD	Size <u>2-7/8"</u>	Set At <u>4174</u>	Packer At <u>4328'</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or In] 9-13-97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil <u>16</u> Bbls.	Gas <u>40</u> Mcf	Water <u>50</u> Bbls.	Gas-Oil Ratio <u>2499</u>	Gravity
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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

4387-93

11-Dec-87

DST ID	Date	Formation	Start Depth	End Depth	ISIP	FSIP	IFP	FFP	Time Interval
1	8/11/97	Mississippi	4385	4400	976	924	84-63	84-63	15-30-60-90

First Open Goodblow-built to bottom of 5 gal. bucket in 20 sec. GTS in 7 min. Ga: 106 MCF steady.

Second Open Good blow. GTS Ga; 118 mcf-106 mcf in 20', 106 mcf steady for 30'.

15-077-21331-0000

Recovery 40' SOCM (5% G, 10% O, 70% M, 15% W), 60' OGCMW (20% G, 20% O, 30% M, 30% W), Good show of free oil between th

ORIGINAL

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 13 1997
12-16-97
CONSERVATION DIVISION
TOPEKA, KS

ALLIED CEMENTING CO., INC.

6275

KS-877-21331-0000

ORIGINAL

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
med. lodge, ks

DATE 8-6-97	SEC. 16	TWP. 31s	RANGE 8w	CALLED OUT 2:30 P.M.	ON LOCATION 4:00 P.M.	JOB START 4:45 P.M.	JOB FINISH 5:30 P.M.
LEASE Crister		WELL # 1D-16	LOCATION mag PLANT, 2E-1s-1w-1s-3/4E		COUNTY HARPER	STATE KS.	

OLD OR NEW (Circle one)

CONTRACTOR Duke Drlq. #2

TYPE OF JOB Surface Csg.

HOLE SIZE 12 1/4 T.D. 214

CASING SIZE 8 5/8 x 20 DEPTH 213'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 200 MINIMUM 150

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15 feet

PERFS. _____

OWNER Bison Prod. Co.
CEMENT

AMOUNT ORDERED 175 sxs. 60/40
3% CaCl₂ + 2% Gel

COMMON A	105	@ 6.35	666.75
POZMIX	70	@ 3.25	227.50
GEL	3	@ 9.50	28.50
CHLORIDE	6	@ 28.00	168.00
		@	
		@	
		@	
		@	
		@	
HANDLING	175	@ 1.05	183.75
MILEAGE	175 x 30	.04	210.00

EQUIPMENT

PUMP TRUCK CEMENTER Andy Dreiling
266 HELPER Kevin B.

BULK TRUCK
Gt. Bend DRIVER

BULK TRUCK
_____ DRIVER

TOTAL \$1484.50

REMARKS:

Pipe on Bottom - Break Circ.
Cement 175 sxs. 60/40/3% CaCl₂
2% Gel. Release Plug. Displace
13 1/4 Bbls. Fresh H₂O. Cement Circ
to Surface. Shutt In.

SERVICE

DEPTH OF JOB	213'		
PUMP TRUCK CHARGE	0.300'		470.00
EXTRA FOOTAGE		@	
MILEAGE	30	@ 2.85	85.50
PLUG wood	8 5/8	@ 45.00	45.00
		@	
		@	

TOTAL \$600.50

CHARGE TO: Bison Prod. Co.

STREET 9320 EAST CENTRAL

CITY WICHITA STATE KANSAS ZIP 67206

FLOAT EQUIPMENT

RECEIVED

KANSAS CORPORATION COMMISSION

@

DEC 16 1997

@ 12-16-97

CONSERVATION DIVISION

WICHITA, KS.

TOTAL _____

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE \$2085.00

DISCOUNT \$312.75 IF PAID IN 30 DAYS

NET \$1772.25

SIGNATURE John J. Ambrose

ALLIED CEMENTING CO., INC.

6285

15-877-21331-0000

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665 *well file*

SERVICE POINT: *Medicine Lodge*

ORIGINAL

DATE <i>8-12-97</i>	SEC. <i>16</i>	TWP. <i>31S</i>	RANGE <i>8W</i>	CALLED OUT <i>4:00 Am</i>	ON LOCATION <i>7:10</i>	JOB START <i>10:00 Am</i>	JOB FINISH <i>11:00 Am</i>
LEASE <i>Critser</i>	WELL # <i>D-16</i>	LOCATION <i>MAG Plant 25, 1/2, 1/5</i>			COUNTY <i>Harper</i>	STATE <i>Kansas</i>	

OLD OR NEW (Circle one)

CONTRACTOR *Duke Rig 2*
 TYPE OF JOB *production*
 HOLE SIZE *7 7/8* T.D. *4400*
 CASING SIZE *5 1/2 x 14* DEPTH *4402*
 TUBING SIZE DEPTH
 DRILL PIPE *4 1/2* DEPTH
 TOOL DEPTH
 PRES. MAX *550* MINIMUM *50*
 MEAS. LINE SHOE JOINT *31.18*
 CEMENT LEFT IN CSG. *31.18*
 PERFS.

OWNER *Bison Production Co.*
 CEMENT

AMOUNT ORDERED *25 x 60:40:4*
100sx ASC + 5" Kol-Seal
300 Gal mud sweep

COMMON <i>A</i>	<i>15</i>	@	<i>6.35</i>	<i>95.25</i>
POZMIX	<i>10</i>	@	<i>3.25</i>	<i>32.50</i>
GEL	<i>1</i>	@	<i>9.50</i>	<i>9.50</i>
CHLORIDE		@		
<i>ASC</i>	<i>100</i>	@	<i>8.20</i>	<i>820.00</i>
<i>KOL-SEAL</i>	<i>500#</i>	@	<i>.38</i>	<i>190.00</i>
<i>MUD SWEEP</i>	<i>300 GALS</i>	@	<i>1.80</i>	<i>540.00</i>
		@		
		@		
HANDLING <i>125</i>		@	<i>1.05</i>	<i>131.25</i>
MILEAGE <i>125 x 30</i>			<i>.04</i>	<i>150.00</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Carl Balding*
 # *266* HELPER *Shane Winsor*
 BULK TRUCK
 # *242* DRIVER *John Kelly*
 BULK TRUCK
 # DRIVER

RECEIVED
 KANSAS CORPORATION COMMISSION

TOTAL *\$1968.50*

REMARKS:

DEC 16 1997
 12-16-97

SERVICE

Break circulation w/ rig ~~rotary~~ pipe
pump bottom plug with 7 7/8" mud sweep
load top plug - pump 5 x 60:40:4 in mouse
Hole, pump 20sx in rat hole, - switch valves
pump 100sx ASC + 5" Kol seal, stop pumps
wash out pumps + lines, Release plug start
Displacement Rotary pipe until cement turns shoe
1 pump a total of 105 1/2 bbls Displacement - plug

DEPTH OF JOB	<i>4402</i>		
PUMP TRUCK CHARGE			<i>1145.00</i>
EXTRA FOOTAGE		@	
MILEAGE <i>30</i>		@	<i>2.85</i> <i>85.50</i>
PLUG Bottom Rubber <i>5 1/2"</i>		@	<i>59.00</i> <i>59.00</i>
top Rubber <i>5 1/2"</i>		@	<i>50.00</i> <i>50.00</i>

TOTAL *\$1339.50*

CHARGE TO: *Bison Production Co.*
 STREET *9320 E. CENTRAL*
 CITY *WICHITA* STATE *KANSAS* ZIP *67206*

FLOAT EQUIPMENT

Regular Guide shoe	@	<i>168.00</i>	<i>168.00</i>
6-Centralizers	@	<i>56.00</i>	<i>336.00</i>
1-AFU Insert	@	<i>263.00</i>	<i>263.00</i>

TOTAL *\$767.00*

TAX _____
 TOTAL CHARGE *\$4075.00*
 DISCOUNT *\$611.25* IF PAID IN 30 DAYS
 Net *\$3463.75*

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE *Russell Myers*