

ORIGINAL

FORM MUST BE TYPED

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

Operator: License# 31532

Name: BISON PRODUCTION COMPANY

Address: 9320 E. CENTRAL

City/State/Zip: WICHITA, KS 67206

Purchaser: Warren NGL, Koch Oil Co.

Operator Contact Person: C. J. Lett, III

Phone (316) 636-1801

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: DEAN PATTISSON

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW 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/SWS
 Plug Back PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

07-28-97 _____ 08-04-97 _____ 08-05-97 _____
Spud Date Date Reached TD Completion Date

SIDE ONE

API NO. 15-077-21330-0000

County: HARPER

NE SE SW E/2 SW/4-Sec. 1 Twp. 31S Rge. 9W

990' Feet from SN (circle one) Line of Section

2290' Feet from EW (circle one) Line of Section

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

Lease Name: WINGATE Well #: 3-1

Field Name: SPIVEY - GRABS

Producing Formation: MISSISSIPPI

Elevation: Ground: 1665' KB 1678'

Total Depth 4545' PBTD 4550'

Amount of Surface Pipe Set and Cemented 218.40 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.

Drilling Fluid Management Plan ALT 1 JF 2-16-98
(Data must be collected from the Reserve Pit)

Chloride content 36,000 ppm Fluid volume 1,200 bbls.

Dewatering method used HAULED OFF WATER - ALLOW TO DRY - AND BACKFILL

Location of fluid disposal if hauled offsite:

Operator Name: JODY OIL & GAS

Lease Name SANDERS SWD License No. 3288

Quarter Sec. 20 Twp. 31 S Rng. 8 W

County HARPER Docket No. D23313

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market, Rm 2078, 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 Steven C. Anderson, Vice President Date 11-25-97

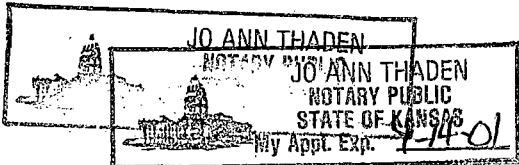
Subscribed and sworn to before me this 25th day of November, 1997.

Notary Public Jo Ann Thaden

Date Commission Expires 04-14-2001

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)

Form ACO-1 (7-91)



ORIGINAL

SIDE TWO

Operator Name BISON PRODUCTION COMPANY Lease Name WINGATE Well # 3-1

Sec. 1 Twp. 31S Rge. 9 East West

County HARPER

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.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top). Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Pawnee LS	4270	-2599
Electric Log Run	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Labette Sh.	4296	-2625
			Cherokee Gp.	4314	-2432
			Miss. Osage Chert	4380	-2709

List All E. Logs Run: Comp Neutron Density, Sonic, Dual Induction

1977 REC-1
 HARPER COUNTY
 REC-1
 1977 REC-1

CASING RECORD							
Report all strings set-conductor, surface, intermediate production, etc.							
<input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
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#	218.40'	60/40 Poz	165	3% gel, 2% cc
Production	7-7/8"	5-1/2'	14#	4539'	ACS	100	5#Kloseal, 1/4# sk floeal 4% gel

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth		#Sacks Used	Type and Percent Additives
	Top	Bottom		
<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	
		Amount	Depth
2	4477-4481 & 4460-4465	24143 ga 40# gel; 30,500# sand	
4	4380-4386	53,000# sand, (40# Crosslinked gel) 550 gal 7-1/2% mca, 35 balls, 12 bbl KCL	

TUBING RECORD		Size	Set At	Packer At	Liner Run			
		2-7/8"	4274'			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumed Production, SWD or Inj.		Producing Method						
9-19-97		<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other Explain						
Estimated Production Per 24 Hours	Oil	Bbls	Gas	Mcf	Water	Bbls	Gas-Oil Ratio	Gravity
	10		45					

Disposition of Gas: Vented Sold Used on Lease **METHOD OF COMPLETION** Open Hole Perf. Dually Comp. Comingled Production Interval 4380-4481

(if vented, submit ACO-18.) Other (Specify) _____

Wingate #3-1 DST's
 API # 15-077-21330-0000

ORIGINAL

<u>Date</u>	<u>ID #</u>	<u>Formation</u>	<u>Test Interval</u>		<u>ISIP</u>	<u>FSIP</u>	<u>IFP</u>	<u>FFP</u>	<u>Time Interval</u>
			<u>Top</u>	<u>Bottom</u>					
8/2/97	1	Mississippi	4387	4400	598	593	62-72	66-94	15-30-60-90
<u>1st Open</u>	Good blow, bottom bucket in 1 min. GTS 13 min. Ga: 40.7 MCFD.		<u>2nd Open</u>	Good blow. Ga: 39.6 MCFD		<u>Recovery</u>	60' MW (20 G, 0 O, 25 M, 55 wtr), 120' MWSOC (5 G, 5 O, 15 M, 75 wtr)		

<u>Date</u>	<u>ID #</u>	<u>Formation</u>	<u>Test Interval</u>		<u>ISIP</u>	<u>FSIP</u>	<u>IFP</u>	<u>FFP</u>	<u>Time Interval</u>
			<u>Top</u>	<u>Bottom</u>					
8/3/97	2	Mississippi	4405	4430	497	519	66-55	77-77	15-30-60-90
<u>1st Open</u>	Strong blw built to bottom of bucket in 20 sec. and decr.		<u>2nd Open</u>	Strng blow-GTS in 25" Ga:4.7 MCFD		<u>Recovery</u>	60' VSOCM (0 G, 5 O, 93 M, 2 wtr), 120' SOCMW (10 G, 10 O, 25 M, 55 W)		

<u>Date</u>	<u>ID #</u>	<u>Formation</u>	<u>Test Interval</u>		<u>ISIP</u>	<u>FSIP</u>	<u>IFP</u>	<u>FFP</u>	<u>Time Interval</u>
			<u>Top</u>	<u>Bottom</u>					
8/4/97	3	Mississippi	4462	4506	530	585	110-121	132-154	15-30-60-90
<u>1st Open</u>	Good blow to bottom in 20 sec.		<u>2nd Open</u>	Good blow to bottom in 10 sec, GTS 25", Ga: 4.445 MCFD.		<u>Recovery</u>	110' OGCMW (15 G, 10 O, 55 M, 20 W), 120' OGCMW (22 G, 18 O, 10 M, 50 W), 60' SOGCMW (12 G, 5 O, 13 M, 70 W), 60' VSOCMW (0 G, 1 O, 24 M, 75 W)		

ALLIEL CEMENTING CO., INC.

6273

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

ORIGINAL

SERVICE POINT:
med. Lodge, ks

DATE 8-5-97	SEC. 1	TWP. 31s	RANGE 9w	CALLED OUT 3:00 A.M.	ON LOCATION 6:30 A.M.	JOB START 10:00 A.M.	JOB FINISH 12:30 P.M.
LEASE Wingate	WELL# 3-1	LOCATION Keystone Church, 1E-1/2E-1/4			COUNTY Harper	STATE Ks.	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Duke #7
 TYPE OF JOB Production Casing
 HOLE SIZE 7 7/8 T.D. 4545'
 CASING SIZE 5 1/2 x 14.0 DEPTH 4542'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 2100 MINIMUM 300
 MEAS. LINE SHOE JOINT 18.30
 CEMENT LEFT IN CSG.
 PERFS.

OWNER Bison Production Co.
CEMENT

AMOUNT ORDERED 300 Gals. mud ~~300~~ Sweep
 255sxs 60/40/4% Gel
 100sxs. ASC + 5# Kol-Seal + 1/4# Flo-Seal

COMMON 15	@ 6.35	95.25
POZMIX 10	@ 3.25	32.50
GEL 1	@ 9.50	9.50
CHLORIDE	@	
ASC 100	@ 8.20	820.00
Kol-Seal 500#	@ .38	190.00
Flo-Seal 25#	@ 1.15	28.75
Mud Sweep 300 Gal	@ 1.80	540.00
	@	
HANDLING 125	@ 1.05	131.25
MILEAGE 125 x 27	.04	135.00

EQUIPMENT

PUMP TRUCK CEMENTER Arny Dreiling
 #266 HELPER Kevin Bronsdant
 BULK TRUCK
 #301 DRIVER Randie Landheir
 BULK TRUCK
 # DRIVER

TOTAL \$1982.25

REMARKS:

Pipe on Bottom Break Circ, Release Bottom Plug
 mix + Pump 300 gals. mud - Sweep
 Plug Rathole w/ 155sxs. 60/40/4
 moose Hole w/ 10sxs. 60/40/4
 100sxs. CLASS A - ASC + 5# Kol-Seal +
 1/4# Flo-Seal wash out Pump + lines
 Release Top Plug, Pump + Displace Plug
 w/ 107 1/2 Bbs Fresh H₂O. Bump Plug. Float Hed

SERVICE

DEPTH OF JOB 4542'		
PUMP TRUCK CHARGE		1214.00
EXTRA FOOTAGE	@	
MILEAGE 27	@ 2.85	76.95
PLUG TOP Rubber 5/2	@ 50.00	50.00
Bottom Rubber 5/2	@ 59.00	59.00
	@	

TOTAL \$1399.95

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

FLOAT EQUIPMENT

1-Reg. Guide Shoe	@ 168.00	168.00
1-AFU Insert	@ 263.00	263.00
6-Centerizers	@ 56.00	336.00
1-Rotate Head	@ 75.00	75.00
1-BASKET	@ 142.00	142.00

TOTAL \$984.00

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 \$4366.20
 DISCOUNT \$ 654.93 IF PAID IN 30 DAYS
 NET \$ 3711.27

SIGNATURE X R. Myers RUSSELL MYERS

ALLIED CEMENTING CO., INC. 6278

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

ORIGINAL

SERVICE POINT:
Medicine Lodge

DATE <u>7-28-97</u>	SEC. <u>1</u>	TWP. <u>31S</u>	RANGE <u>9W</u>	CALLED OUT <u>4:00pm</u>	ON LOCATION <u>5:00pm</u>	JOB START <u>6:35pm</u>	JOB FINISH <u>6:55pm</u>
LEASE <u>wingate</u>	WELL# <u>3-1</u>		LOCATION <u>Mag Plant 2 1/2 N, 1/4 E, 9/5 Harper</u>	COUNTY <u>Harper</u>	STATE <u>Kansas</u>		

OLD OR NEW (Circle one)

CONTRACTOR <u>Duke Rig 7</u>	
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>220</u>
CASING SIZE <u>8 1/2 x 23</u>	DEPTH <u>26.40</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>200</u>	MINIMUM <u>50</u>
MEAS. LINE	SHOE JOINT <u>—</u>
CEMENT LEFT IN CSG. <u>15</u>	
PERFS.	

OWNER Bison Production Co.
CEMENT

AMOUNT ORDERED 165sx 60:40:28gel + 38cc

COMMON A	<u>99</u>	@ <u>6.35</u>	<u>628.65</u>
POZMIX	<u>66</u>	@ <u>3.25</u>	<u>214.50</u>
GEL	<u>3</u>	@ <u>9.50</u>	<u>28.50</u>
CHLORIDE	<u>5</u>	@ <u>28.00</u>	<u>140.00</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Carl Balding</u>
# <u>255-265</u>	HELPER <u>Stane Winsor</u>
BULK TRUCK	
# <u>301</u>	DRIVER <u>James Holt</u>
BULK TRUCK	
#	DRIVER

HANDLING	<u>165</u>	@ <u>1.05</u>	<u>173.25</u>
MILEAGE	<u>165 x 27</u>	@ <u>1.04</u>	<u>172.20</u>
			TOTAL <u>\$1363.10</u>

REMARKS:

Pipe on Bottom Breaks
Circulation w/ rig pump pump 388 fresh water,
pump 165sx 60:40:28gel + 38cc
stop pumps Release Plug
Displace with 12.95 8815 fresh water,
Cement did circulate

SERVICE

DEPTH OF JOB	<u>218'</u>		
PUMP TRUCK CHARGE	<u>0-300'</u>		<u>470.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>27</u>	@ <u>2.85</u>	<u>76.95</u>
PLUG TWP	<u>8818"</u>	@ <u>45.00</u>	<u>45.00</u>

TOTAL \$591.95

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

FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

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 \$ 1955.05
DISCOUNT \$ 293.25 IF PAID IN 30 DAYS
NET \$ 1661.80

SIGNATURE James Holt

KENNETH McGUIRE