COPY

FORM MUST BE TYPED

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

Operator: License# 31632

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
_X____New Well _____Re-Entry _____Workover

___X__Oil _____SWD _____SIOW _____Temp Abd.
___X__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 (S)N (circle one) Line of Section

2290' Feet from E(W) (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___X___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 JH 2-16-97
(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_____

Date Commission Expires _____04-14-2001_____

JO ANN THADEN
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 4-14-01

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)

SIDE TWO

COPY

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

Sec. 1 Twp. 31S Rge. 9 [ ] East [X] 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.) [X] Yes [ ] No

Samples Sent to Geological Survey [ ] Yes [X] No

Cores Taken [ ] Yes [X] No

Electric Log Run [X] Yes [ ] No

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

[x] Log Formation (Top). Depth and Datum [ ] Sample

Name	Top	Datum
Pawnee LS	4270	-2599
Labette Sh.	4296	-2625
Cherokee Gp.	4314	-2432
Miss. Osage Chert	4380	-2709

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KANSAS CORP COMM
1997 DEC -1 AM 12: 21

CASING RECORD

[x] 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#	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 floseal 4% gel

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					

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	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'		[ ] Yes [x] No

Date of First, Resumed Production, SWD or Inj. 9-19-97 Producing Method [x] Flowing [ ] Pumping [ ] Gas Lift [ ] Other Explain

Estimated Production Per 24 Hours	Oil	Bbls	Gas	Mcf	Water	Bbls	Gas-Oil Ratio	Gravity
	10		45					

Disposition of Gas: [ ] Vented [x] Sold [ ] Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION [ ] Open Hole [x] Perf. [ ] Dually Comp. [ ] Comingled [ ] Other (Specify)

Production Interval ___4380-4481