

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

API NO. 15-171-20-400-00-00

County.....Scott
Approx.....
SW SW SW Sec. 16 Twp. 20S Rge. 33 East
X West

Operator: License # 5565
Name National Cooperative Refinery Assn
Address 6000 WEST 10th STREET
City/State/Zip GREAT BEND, KANSAS 67530

390
4875 Ft North from Southeast Corner of Section
Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Purchaser UNKNOWN AT THIS TIME

Lease Name Buckner Well # 1

Field Name Wildcat

Operator Contact Person Morris Bell
Phone (303) 861-4883
Denver, Co. 80203

Producing Formation KRIDER

Elevation: Ground 2960' KB 2965'

Contractor: License # 5422
Name Abercrombie Drilling, Inc.

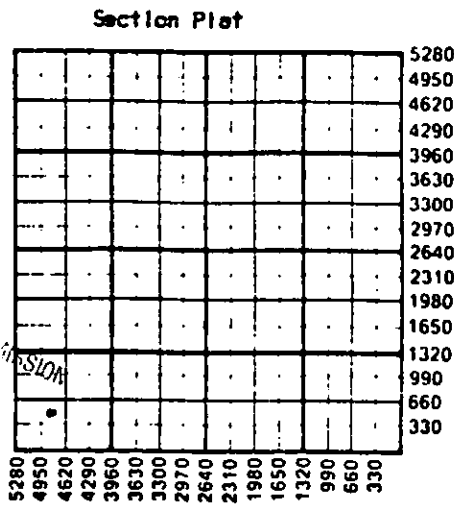
Wellsite Geologist COLUMBINE LOGGING
Name KEITH BROWN
Phone 303-292-0837

Designate Type of Completion
X New Well Re-Entry Workover

Oil SWD Temp Abd
X Gas SI Inj Delayed Comp
Dry Other (Core, Water Supply etc.)

If OWD: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

RECEIVED
FEB 1 1990
STATE CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
Wichita, Kansas



WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal
Docket # Repressuring

WELL HISTORY
Drilling Method: X Mud Rotary Air Rotary Cable
12-02-89 12-15-89
Spud Date Date Reached TD Completion Date
4880' 2682'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 308 feet
Multiple Stage Cementing Collar Used? Yes X No
If yes, show depth set feet
If alternate 2 completion, cement circulated from 2713 feet depth to 0 w/ 525 SX cmt
Cement Company Name HALLIBURTON
Invoice # 878577
2-27-90

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit # T89-562
X Groundwater 2500 Ft North from Southeast Corner
(Well) 5000 Ft West from Southeast Corner of
Scott Sec 16 Twp 20S Rge 33 East X West
Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge East West
Other (explain) (purchased from city, R.W.D. #)

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. 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 Steve Brack

Title DISTRICT FOREMAN Date 1-31-90

Subscribed and sworn to before me this 31st day of Jan 1990
Notary Public Patricia Schult

NOTARY PUBLIC - State of Kansas
PATRICIA SCHULTZ
My Appt. Exp. 1-21-93

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other
(Specify)

X P1

Operator Name National Cooperative Refinery Assn Lease Name Buckner Well # 1

Sec. 16 Twp. 20S Rge. 33 East West County Scott

WELL LOG

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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Name	Top	Bottom
SAMPLE ANHYDRITE	2142'	

SEE ATTACHMENT

SEE ATTACHMENT

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 1/2"	8 5/8"	24#	308'	60/40poz	350	3% gel, 6% cc
Production		5 1/2"	15 1/2#	2712'	Halite	400	
Mud Flush		500 gal.			Class A	125	10% salt, 4% Halite, 5# gilsonite

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4	2613-17'		

TUBING RECORD Size 2 3/8" Set At 2606' Packer at _____ Liner Run Yes No

Date of First Production 1-13-90 (Tested) Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity
	-	190	-		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease
 Open Hole Perforation Other (Specify)
 Dually Completed Commingled

2613-17'



Buckner #1

15-171-20400-00-00

FORMATION TOPS FROM SAMPLES & ELECTRIC LOGS

Elevation from K.B. - 2965'

<u>Formation</u>	<u>Sample Tops</u>	<u>Electric Log Tops</u>	<u>Sub Sea (+ or -)</u>
Stone Corral T		2076'	+ 890'
Stone Corral B		2150'	+ 816'
Herrington	2570'	2571'	+ 395'
Krider	2612'	2612'	+ 354'
Winfield	2678'	2668'	+ 298'
Ft. Riley	-	-	-
Virgil	3364'	-	-
Topeka	3510'	3510'	- 544'
Toronto	-	3838'	- 872'
Lansing	3871'	3870'	- 904'
Marmaton	4362'	4350'	-1384'
Pawnee	4435'	4407'	-1441'
Ft. Scott	4463'	4437'	-1471'
Cherokee	4479'	4460'	-1494'
Morrow Shale	4650'	4654'	-1688'
Morrow Sandstone	4696'	4694'	-1728'
St. Genevieve	4730'	4728'	-1762'
St. Louis	4770'	4770'	-1804'
TD	4880'	4880'	-1914'

RECEIVED
STATE CORPORATION COMMISSION

FEB 1 1990

CONSERVATION DIVISION
Wichita, Kansas

BUCKNER #1

15-171-20400-00-00

DRILL STEM TESTS

DST #1

Date: December 5, 1989
Interval: 2572' to 2620'
Formation: Herrington/Krider
Company: Trilobite
Tester: Carl Goff

Bottom Choke: 3/4" Top Choke: 1"

FIELD INFORMATION

	Time	Blow Description	Pressures
IHHP			1211
IFP	10 min	Gauged, max 90 min 75.8 MCF/D	48 - 48
ISIP	30 min		457
FFP	90 min	130' of watery mud w/scum of oil	96 - 108
FSIP	180 min		457
FHHP			1199
BHSC @ 450#			
BHT - 88°F			
Top Rw=1.86 @ 45.2°F, Cl 5500 ppm Mud Rw-not recorded Cl 1000 ppm			
Recover in Chamber: 4000 gas. Gas will burn, clean blue flame			
SIP Buildup indicates: Normal			
Test was mechanically successful			

DST #2

Date: December 6, 1989
Interval: 2678' to 2695'
Formation: Winfield

Bottom Choke: 3/4" Top Choke: 1"

FIELD INFORMATION

	Time	Blow Description	Pressures
IHHP			1258
IFP	10 min	Weak 1/4" blow	24 - 24
ISIP	30 min		72
FFP	60 min	V Weak sfc blow for 15 min	24 - 24
FSIP	120		72
FHP			1235

BHT - 85°F
Rw - none
Recovery: 5' drill mud, 40' gas in pipe
BHSC - 900 ml gas, 3100 ml mud @ 20 psi
Rw - none
SIP Buildup indicates: Tight
Test was mechanically successful

RECEIVED
STATE CORPORATION COMMISSION
FEB 1 1990
CONSERVATION DIVISION
Wichita, Kansas

BUCKNER #1

15-171-28400-00-00

DRILL STEM TESTS Cont'd.

DST #5

Date: December 13, 1989
Interval: 4697' to 4716'
Formation: Morrow

Bottom Choke: 3/4" Top Choke: 1"

FIELD INFORMATION

	Time	Blow Description	Pressures
IHP			2324
IFP	10 min	Wk sfc blow, bldg to 3/4" in	45 - 45
ISIP	30 min	10 min.	
			1084
FFP	60 min	No blow, flush tool, no blow	45 - 56
FSIP	240 min		1128
FHP			2302

BHT - 121°F
Recovery: 15' drill mud w/spks. of oil on top of tool
Rw= 3 @ 70°F Cl 2000 ppm
BHSC - 2200 ml mud @ 50 psi
SIP Buildup indicates: Tight
Test was mechanically successful

RECEIVED
STATE CORPORATION COMMISSION

FEB 1 1990

CONSERVATION DIVISION
Wichita, Kansas

BUCKNER #1

15-171-20400-00-00

DRILL STEM TESTS Cont'd.

DST #3

Date: December 11, 1989
Interval: 4352' to 4400'
Formation: Marmaton
Tester: Tom Horacek

Bottom Choke: 3/4" Top Choke: 1"

FIELD INFORMATION

	Time	Blow Description	Pressures
IHHP			2113
IFP	10 min	Weak 1/4" thru-out	45 - 45
ISIP	30 min		851
FFP	60 min	V weak sfc blow, died in 4 min	56 - 56
FSIP	120 min		1051
FHHP			2057
BHT - 117°F			
Mud Rw= 3 @ 69°F Cl 2000 ppm			
Recovery: 5' drill mud, tr oil			
BHSC - 2200 ml mud @ 50 psi			
SIP Buildup indicates: Tight			
Test was mechanically successful			

DST #4

Date: December 12, 1989
Interval: 4647' to 4670'
Formation: Morrow

Bottom Choke: 3/4" Top Choke: 1"

FIELD INFORMATION

	Time	Blow Description	Pressures
IHHP			2324
IFP	10 min	Weak 1/4" thru-out	33 - 33
ISIP	30 min		58
FFP	60 min	No blow, flush tool, no blow	45 - 45
FSIP	240 min		58
FHHP			2291

Recovery: 10' drill mud
Rw=3 @ 70°F Cl 2000 ppm
BHSC - 2200 ml mud @ 30 psi
SIP Buildup indicates: Tight
Test was mechanically successful

RECEIVED
STATE CORPORATIONS COMMISSION
FEB 1 1990
CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL
INVOICE



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE NO.	DATE
878510	12/02/1989

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
BUCKNER 1	SCOTT	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
ESS CITY	ABERCROMBIE RIG 1	CEMENT SURFACE CASING	12/02/1989		
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
22920	TOM BERGIN			COMPANY TRUCK	86684

ORIGINAL
INVOICE



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE NO.	DATE
878517	12/16/1989

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
BUCKNER 1	SCOTT	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
NESS CITY	ABERCROMBIE	CEMENT PRODUCTION CASING	12/16/1989		
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
622920	TOM BERGIN			COMPANY TRUCK	87494

NATIONAL COOPERATIVE
REFINERY ASSOCIATION
6000 W. 10TH
GREAT BEND, KS 67530

DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

NATIONAL COOPERATIVE
REFINERY ASSOCIATION
6000 W. 10TH
GREAT BEND, KS 67530

TRANSMITTED TO
JAN 04 1990
DATA PROCESSING

DIRECT CORRESPONDENCE TO:
SUITE 600
COLOPADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF NO	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	70	MI	2.20	154.00
001-016	CEMENTING CASING	308	FT	398.20	398.20
030-503	CMTG PLUG LA-11,CP-1,CP-3,TOP	8	5/8 IN	58.00	58.00
24A	INSERT FLOAT VALVE - 8 5/8" BRD	1	EA	171.00	171.00
815.19502	FILL-UP UNIT 7" - 8 5/8"	1	EA	29.00	29.00
815.19415	CENTRALIZER 8-5/8" MODEL S-4	3	EA	53.00	159.00
807.93059	STANDARD CEMENT	150	SK	5.45	817.50
504-308	POZMIX A	100	SK	2.88	288.00
506-105	HALLIBURTON-GEL 2%	4	SK	.00	N/C
506-121	ANHYDROUS CALCIUM CHLORIDE	6	SK	25.75	154.50
509-406	BULK SERVICE CHARGE	262	CFT	.95	248.90
500-207	MILEAGE CMTG MAT DEL OR RETURN	784.35	MI	.70	549.05
INVOICE SUBTOTAL					3,027.15
DISCOUNT - (BID)					605.43
INVOICE BID AMOUNT					2,421.72
* - KANSAS STATE SALES TAX					82.18
Checked by <u>ACK</u>					
Date <u>12-3-89</u>					
Approved to current month opening or closing invoice only.					
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$2,503.90

PRICE REF NO	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	70	MI	2.20	154.00
001-016	PLUG-BACK & CASING JOB COMBO	2850	FT	931.00	931.00
009-308	PLUG-BACK & CASING JOB COMBO	8	HR	765.00	765.00
12A	GUIDE SHOE - 5 1/2" BRD THD.	1	EA	104.00	104.00
825.205	CEMENTING PLUG SW ALUM TOP	5	1/2 IN	46.00	46.00
030-016	INSERT FLOAT VALVE - 5 1/2" BRD	1	EA	83.00	83.00
24A	FILL-UP UNIT 5 1/2" - 6 5/8"	1	EA	30.00	30.00
815.19251	CENTRALIZER 5-1/2" MODEL S-4	5	EA	44.00	220.00
815.19311	MUD FLUSH	250	GAL	.45	225.00
807.93022	STANDARD CEMENT	125	SK	5.45	681.25
018-315	SALT	824	LB	.073	45.55
504-308	HALAD-322	48	LB	5.50	264.00
509-968	GILSONITE	624	LB	.35	218.40
507-775	STANDARD CEMENT	65	SK	5.45	354.25
508-291	ANHYDROUS CALCIUM CHLORIDE	1	SK	25.75	25.75
509-406	SALT	135	LB	.073	9.86
509-968	HALLIBURTON LIGHT W/STANDARD	400	SK	4.92	1,968.00
504-316	GILSONITE	2000	LB	.35	700.00
508-291	BULK SERVICE CHARGE	656	CFT	.95	623.20
500-207	MILEAGE CMTG MAT DEL OR RETURN	2033.05	MI	.70	1,423.14
500-306					
INVOICE SUBTOTAL					17,141.40



APPROVED
BY STEVE CRACKER
DATE 12-21-89
APC

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT. CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT. CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.