

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

CONFIDENTIAL

Operator: License # 30444

Name: Charter Production Company

Address 142 N. Mosley

City/State/Zip Wichita, KS 67202

Purchaser: NA

Operator Contact Person: Jerald Rains

Phone (316) 263-4906

Contractor: Name: Eagle Drilling, Inc.

License: 5380

Wellsite Geologist: Kitt Noah

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW 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/SWD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

9-12-94 9-24-94 11-2-94
Spud Date Date Reached TD Completion Date

API NO. 15- ~~033-20,895-0000~~ 033-20,895-0000

County Comanche

100' W SW- SW- 4 Sec. 35S Twp. 20 Rge. X ^E _V

660 Feet from S (circle one) Line of Section

560 Feet from E (circle one) Line of Section

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

Lease Name Box Ranch "A" Well # 1

Field Name Wildcat

Producing Formation Morrow

Elevation: Ground 1786 KB 1799

Total Depth 5643 PBDT 5610

Amount of Surface Pipe Set and Cemented at 649 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 I 8-28-95 S.K.
(Data must be collected from the Reserve Pit)

Chloride content 10,000 ppm Fluid volume 3571 bbls

Dewatering method used Evaporation & Deflocculation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. 1094

Quarter 1 Sec. 1994 Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

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KANSAS CORPORATION COMMISSION
WICHITA, KANSAS

FROM CONFIDENTIAL

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 Judd W. Faine

Title Operations Manager Date 11-15-94

Subscribed and sworn to before me this 15th day of Nov. 19 94.

Notary Public J. Ann Thaden

JO ANN THADEN
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 4-14-99

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

Operator Name Charter Production Company Lease Name Box Ranch "A" Well # 1
 Sec. 4-35S-20W Rge. East West
 County Comanche

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	SEE ATTACHED SHEET		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E.Logs Run:	DIL CNFD Micro Cement Bond			

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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"	24#	649'	Lite Class A	150 100	
Production	7 7/8"	5 1/2"		5636'	ASG 200	200	

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
4 SPF	5588-5590 (Mrw 3rd Sd) CIBP 5240'		
4 SPF	5070-5074 (Swope)	500 gal 15% MR1	

TUBING RECORD	Size <u>2 3/8"</u>	Set At <u>5572'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> None - Shut In <input 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
		NA		

Disposition of Gas:	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled	<u>5588-5590</u>
	<input type="checkbox"/> Other (Specify) _____	<u>5070-5074</u>

CONFIDENTIAL

COPY

BOX RANCH 'A' #1

100'W SW SW

4-35S-20W

COMANCHE COUNTY, KANSAS

KB: 1799

ORIGINAL

API # 15-033-20895-0000

Formation	Log	Subsea
Heebner		4369 (-2570)
Toronto		4393 (-2594)
Douglas		4448 (-2649)
Lansing		4560 (-2761)
Iola		4853 (-3054)
Stark		5032 (-3233)
Marmaton		5177 (-3378)
Oswego		5288 (-3489)
Cherokee		5325 (-3526)
BPL		5498 (-3699)
1st Mrw Sd		5520 (-3721)
2nd Mrw Sd		5539 (-3740)
3rd Mrw Sd		5588 (-3789)
TOTAL DEPTH		5643 (-3844)

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DST INFORMATION

DST #1: (4350-4410) TORONTO

30-60-30-60

REC: 330' Mud

IFP: 87-166

FFP: 73-196

ISIP: 1677

FSIP: 1635

DST #2 (5267-5310) OSWEGO

60-60-30-60

REC: 115' GIP, 65' GASSY MUD (6% GAS, 94% MUD)

IFP: 30-37

FFP: 41-48

ISIP: 1843

FSIP: 1793

DST #3 (5471-5567) 1ST & 2ND MORROW SAND

30-45-30-90

REC: GTS 2" (2ND OPEN)

5" 11.9 MCF

10" 10.9 MCF

20" 9.2 MCF

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TOPEKA, KANSAS

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25" 7.75 MCF

5290' GIP, 125' MUD
IFP: 80-87
FFP: 87-89
ISIP: 1233
FSIP: 1563

DST #4 (5546-5595) 3RD MORROW SAND
15-60-20-60

REC: GTS 1" (1ST OPEN)

5" 6737 MCF
10" 6737 MCF
15" 6737 MCF

2ND OPEN

5" 7136 MCF
10" 8204 MCF
15" 8204 MCF
20" 8204 MCF

5430' GIP
40' MW
IFP: 1797-1797
FFP: 1777-1701
ISIP: 1981
FSIP: 1786

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API #15-033-20895

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STATE CURRICULUM COMMISSION
NOV 17 1994
CONSERVATION DIVISION
WICHITA, KANSAS

ORIGINAL

Phone 913-483-2627, Russell, KS
Phone 316-793-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS
Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

6474

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
9/12/94	E1	35S	20W	11:30 AM	3:30 PM	8:00	10:15
Lease	Well No.	Location		County	State		
Box MacAuch	1-A	Protection 135 1W		Comanche	KS		

Contractor Eagle Drilling Co	
Type Job CMT 8 5/8 Surface Csg	
Hole Size 12 1/4	T.D. 665
Csg. 8 5/8 24"	Depth 644
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg. 45	Shoe Joint 45
Press Max. 350	Minimum 50
Meas Line	Displace 38.2
Perf.	

Owner Same
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 listed.

Charge To Charter Production Company
Street 142 N. Mosley
City Wichita State KS. 67202
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
X K.O. Steind

EQUIPMENT

No.	Cementer	Max Ball
Pumptrk 234	Helper	Justin Hart
No.	Cementer	
Pumptrk	Helper	
Driver	John Kelley	
Bulktrk 257	Driver	

CEMENT	
Amount	225 SKS 65/35 1/2" O.C. 1 3/4" I.D. 2 1/2" FLO-SEAL
Ordered	100 SKS CLASS A + 220 gal 1 3/4" O.C. 1 1/2" I.D.
Consisting of	RELEASED
Common	246 5.95 1414.50
Poz. Mix	79 1.00 79.00
Gel.	14 9.00 126.00
Chloride	11 25.00 275.00
Quickset	FROM CONFIDENTIAL
FLO-SEAL 56#	1.10 61.60
Handling	325 1.00 325.00
Mileage	75 75 975.00
Total \$3414.10	

DEPTH of Job	644'
Reference:	
644 FT Pump charge	564.15
75 mi Mileage	168.75
1 Ea 8 5/8 Rubber Plug	83.00
Sub Total	
Tax	
Total	\$815.90

Remarks: CMT 8 5/8 Surface Csg. with 125 SKS 65/35 1/2" O.C. 1 3/4" I.D. 2 1/2" FLO-SEAL + 220 gal 1 3/4" O.C. 1 1/2" I.D. 2 1/2" FLO-SEAL Plug Displace 38.2 MBL Land Plug lost Held CMT did not Circulate Topp off with 100 SKS 65/35 1/2" O.C. 1 3/4" I.D. 2 1/2" FLO-SEAL CMT in Collar less

Floating Equipment	
1-8 5/8 Sawtooth Shoe	240.00
1-8 5/8 AFU INSERT	258.00
2-8 5/8 Centralizers	122.00
2-8 5/8 Cement Basket	360.00
BOOK PRICE \$	9210.01
	\$980.00
	781.50

NET \$4428.51

ORIGINAL

Date 9-24-94 District NEO LODGE Ticket No. 0801
 Company CHARTER PROD. CO Rig EAGLE #1
 Lease FOX RANCH Well No. A-1
 County COMANCHE State KANSAS
 Location 4-38-20W Field _____
PROJECTION 125 1w 1/4 NTR

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 5 1/2" Type USED Weight 14# Collar BRD

BLAST - 3120'
COLLAPSE - 4270'
 Casing Depths: Top KB Bottom 5640'

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8" T.D. 5640 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0244 Lin. ft./Bbl. 40.93'
 Open Holes: Bbls/Lin. ft. .0602 Lin. ft./Bbl. 16.59'
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. .0309 Lin. ft./Bbl. 32.4'
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE JEROLD ROZAN

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
1000 GALS. 2% KEL WATER
300 GALS. MILD MEAN PREFLUSH

LEAD: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 TAIL: Pump Time _____ hrs. Type ASC + SK'S
 Excess _____
 Amt. 200 Sks Yield 1.57 ft³/sk Density 14.5 PPG
 WATER: Lead _____ gals/sk Tail 2.22 gals/sk Total 34.4 Bbls.

Pump Trucks Used 233-234 JUSTIN HART
 Bulk Equip. 227 JOHN KELLY

Float Equip: Manufacturer ENERPRO
 Shoe: Type CEMENT Depth 5640'
 Float: Type AFU Depth 5623'
 Centralizers: Quantity 7 Plugs Top REBAR Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type FRESH H₂O Amt. 107 Bbls. Weight 3.24 PPG
 Mud Type CHEMICAL Weight 9.3 PPG

CEMENTER KEVIN BAUNBARDT MAX BULL

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
2:30						ON LOCATION, SET UP JOB & SAFETY WITH
						RUN 3/4" CASING TO BOTTOM
						ROTATE CASING WHILE CIRCULATING
						CIRCULATE FOR 1 HOUR
3:10	500				6.5	SET UP TO CEMENT KUMP - START KEL
	350		24	24	6.5	KEL IN - START MILD MEAN
	700		36	12	6.0	MILD MEAN IN - START CEMENT
	450		64	28	6.3	GRADUAL PSI DROP
	300		92	28	6.4	CEMENT IN - STOP PUMPS - CHANGE VALVES
						FLUSH KUMP & LINES - CHANGE VALVES
	100				2.0	START DISPLACEMENT
	100		94	2	6.2	INCREASE RATE
	100		137	43	6.6	KEL WATER @ SHOE
	100		161	24	6.0	MILD MEAN @ SHOE
	50		173	12	4.0	CEMENT @ SHOE - SLOW RATE
	400		182	10	4.0	GRADUAL PSI INC
	900		193	10	4.0	"
	1100		202	29	3.0	SLOW RATE
	1300		227	5	3.0	GRADUAL PSI INC
9:00	1750		229	2	3.0	PUMP PULL & HOLD FREE
						RELEASE PSI & FLOAT VALVES

ALLIED CEMENTING CO., INC. 0801

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

ORIGINAL

SERVICE POINT:

W.D. LODGE, KS

DATE <u>9-24-94</u>	SEC. <u>4</u>	TWP. <u>3S</u>	RANGE <u>20W</u>	CALLED OUT <u>4:30 PM</u>	ON LOCATION <u>2:30 AM</u>	JOB START <u>2:10 AM</u>	JOB FINISH <u>9:00 AM</u>
LEASE <u>FOX RANCH</u>	WELL # <u>A-1</u>	LOCATION <u>PROTECTION 13S, 14 N/2</u>	COUNTY <u>COMANCHE</u>	STATE <u>KANSAS</u>			

OLD OR (NEW) (Circle one)

CONTRACTOR EAGLE DRILL #1

TYPE OF JOB PROD. CSG

HOLE SIZE 7 7/8" T.D. 3640'

CASING SIZE 5 1/2" DEPTH 56

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 1730* MINIMUM 0*

MEAS. LINE SHOE JOINT 17.0'

CEMENT LEFT IN CSG.

PERFS.

OWNER CHARTER PROD. Co

CEMENT

AMOUNT ORDERED 200 BALS MUD CLEAN
200 SX HSC + 5# KOL SEAL

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
HSC	200	@ 7.50	1500.00
KOL SEAL	1000#	@ .36	360.00
CLIPRO	4 BALS.	@ 21.80	87.20
MUD CLEAN	200 BALS	@ .55	110.00
HANDLING	200	@ 1.00	200.00
MILEAGE	200 x 7.5	.04	600.00

EQUIPMENT

PUMP TRUCK CEMENTER MAX BOLL

234 HELPER JUSTIN HART

BULK TRUCK

227 DRIVER JOHN KEUHY

BULK TRUCK

DRIVER

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TOTAL 2022.20

REMARKS:

Run 5 1/2" casing to bottom
rotary casing while circulating, etc
up to cement temp - temp 1000 GALS 2 1/2
KL WATER 200 GALS. MUD CLEAN, MAX
200 SX HSC + 5# KOL SEAL, 11-PLACE RIG
TO 5231 FLOAT HOLES!

SERVICE

DEPTH OF JOB	<u>3640'</u>		
PUMP TRUCK CHARGE			1249.00
EXTRA FOOTAGE	@		
MILEAGE	<u>75</u>	@ 2.25	168.75
PLUG	<u>5 1/2" TRP</u>	@ 45.00	45.00
<u>5 1/2" ROTATING HEAD</u>	@ 75.00		75.00

TOTAL 1537.75

CHARGE TO: CHARTER PRODUCTION Co.

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

<u>56" GUIDE SHOE</u>	@ 125.00		125.00
<u>56" INSERT</u>	@ 139.00		139.00
<u>5 1/2" CENTRALIZERS</u>	@ 56.00		392.00
<u>THREAD LOCK KIT</u>	@ 30.00		30.00

TOTAL 763.00

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

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 _____

[Signature]