

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

API NO. 15- 135-23,797-00-00 AL

County Ness
200'E & 50'S
SW - NE - SE Sec. 27 Twp. 17 Rge. 21 X E
W

Operator: License # 5418

1600' Feet from (S)W (circle one) Line of Section

Name: ALLEN DRILLING COMPANY

790' Feet from (E)W (circle one) Line of Section

Address 6565 S. Dayton, Ste 3800
Englewood, CO 80111

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

City/State/Zip _____

Lease Name MCCORMICK Well # 2

Purchaser: D & A

Field Name Wildcat

Operator Contact Person: Doug Hoisington

Producing Formation D&A

Phone (303) 799-6660

Elevation: Ground 2179' KB 2184'

Contractor: Name: ALLEN DRILLING COMPANY

Total Depth 4290' PBDT --

License: 5418

Amount of Surface Pipe Set and Cemented at 560 Feet

Wellsite Geologist: Richard P. O'Donnell

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion
X New Well Re-Entry Workover

If yes, show depth set _____ Feet

 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
X Dry Other (Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from NA

feet depth to -- w/ -- sx cmt.

If Workover/Re-Entry: old well info as follows:

Drilling Fluid Management Plan DYA CB 3-394
(Data must be collected from the Reserve Pit)

Operator: N/A

Chloride content 21,000 ppm Fluid volume 400 bbls

Well Name: _____

Dewatering method used Air dry

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

Operator Name --

Lease Name -- License No. --

12/09/93 12/17/93 12/17/93
Spud Date Date Reached TD Completion Date

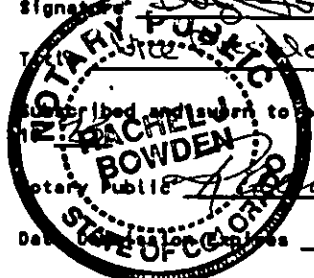
-- Quarter -- Sec. -- Twp. -- S Rng. -- E/W

County -- Docket No. --

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: [Signature]
I, Richard P. O'Donnell Date Dec 28, 1993
Subscribed and sworn to before me this 28th day of December
[Signature]
My Commission Expires June 15, 1998



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution: KCC SWD/Rep Plug
KGS Other
RECEIVED
STATE CORPORATION COMMISSION
12-30-1993
DEC 30 1993
(Specify)
CONSERVATION DIVISION

Operator Name ALLEN DRILLING COMPANY Lease Name MCCORMICK Well # 2

Sec. 27 Twp. 17 Rge. 21 East West
 County Ness

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 extract 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 Returns	<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	See Attached		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E.Logs Run:	GSN			

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#	560'	60/40poz	285	2%gel 3%cc

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

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SMD or Inj.]	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify)	<u>D & A</u>

Tests:

Trilobite Testing Company - Hays, Kansas
D.S.T. #1 4137' - 57' - Cherokee "A" Sandstone
OP 30 SI 30 OP 5 Out
Recovered 5' of mud; FP 30# - 30#, SIP 37#;
HP 1995# - 1972#.

D.S.T. #2 4210' - 20' - Mississippian Dolomite
OP 30 SI 30 OP 5 Out
Recovered 10' of mud; FP 30# - 30#, SIP 52#;
HP 2081# - 2066#.

McCormick #2

API#15-135-23797-00-00

FORMATION LOG TOPS

<u>Formation</u>	<u>Top</u>	<u>Datum</u>
Anhydrite	1440'	(+744)
Heebner Sh.	3619'	(-1435)
Toronto Ls.	3642'	(-1458)
Lansing/K.C.	3665'	(-1481)
Base/K.C.	3940'	(-1756)
Pawnee	4053'	(-1869)
Labette Sh.	4113'	(-1929)
Ft. Scott Ls.	4130'	(-1946)
Cherokee Sh.	4140'	(-1956)
"A" Sandstone	4144'	(-1960)
"B" Sandstone	4158'	(-1974)
"C" Sandstone	4176'	(-1992)
Mississippian	4208'	(-2024)

RECEIVED
STATE CORPORATION COMMISSION

DEC 30 1993

CONSERVATION DIVISION
Wichita, Kansas

WELL DATA

FIELD _____ SEC 27 TWP. 11 RNG. 21 COUNTY NEOS STATE MO.

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
PRESENT PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAXIMUM PSI ALLOWABLE. Rows: CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

JOB DATA

Table with columns: CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Rows: DATE, TIME.

TOOLS AND ACCESSORIES

Table with columns: TYPE AND SIZE, QTY., MAKE. Rows: FLOAT COLLAR, FLOAT SHOE, GUIDE SHOE, CENTRALIZERS, BOTTOM PLUG, TOP PLUG, HEAD, PACKER, OTHER.

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. API
DISPL. FLUID _____ DENSITY _____ LB./GAL. API
PROP. TYPE _____ SIZE _____ LB.
ACID TYPE _____ GAL. %
SURFACTANT TYPE _____ GAL. IN
NE AGENT TYPE _____ GAL. IN
FLUID LOSS ADD. TYPE _____ GAL.-LB. IN
GELLING AGENT TYPE _____ GAL.-LB. IN
FRIC. RED. AGENT TYPE _____ GAL.-LB. IN
BREAKER TYPE _____ GAL.-LB. IN
BLOCKING AGENT TYPE _____ GAL.-LB.
PERFPAC BALLS TYPE _____ QTY.
OTHER _____

PERSONNEL AND SERVICE UNITS

Table with columns: NAME, UNIT NO. & TYPE, LOCATION. Rows: Personnel and service units.

DEPARTMENT _____
DESCRIPTION OF JOB _____
JOB DONE THRU: TUBING [] CASING [x] ANNULUS [] TBG/ANN. []
CUSTOMER REPRESENTATIVE X
HALLIBURTON OPERATOR _____ COPIES REQUESTED _____

CEMENT DATA

Table with columns: STAGE, NUMBER OF SACKS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD CU.FT./SK., MIXED LBS./GAL.

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____
BREAKDOWN _____ MAXIMUM _____
AVERAGE _____ FRACTURE GRADIENT _____
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
HYDRAULIC HORSEPOWER _____
ORDERED _____ AVAILABLE _____ USED _____
AVERAGE RATES IN BPM _____
TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET _____ REASON _____

PRESLUSH: BBL.-GAL. _____ TYPE _____
LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 400
CEMENT SLURRY: BBL.-GAL. _____
TOTAL VOLUME: BBL.-GAL. _____

REMARKS

RECEIVED
STATE PROPERTY COMMISSION
DEC 30 1993
DEC 30 1993
CONSERVATION DIVISION
WRIGHT COUNTY DIVISION

CUSTOMER: ALLEN DUG. WELL NO.: 1-27 LEASE: McCREATON JOB TYPE: Surface TICKET NO.: 568295

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	12:12							called out
	12:15							Rec Drilling
	12:30							hole set
	12:40							1 hole
	12:47							start casing hole 11' + 11' 57' 62
								11' 11' 57' 62 70' 62 80' 62
	1:30							hole to 60'
	1:55							1.5 sec
	1:44							1.5 sec
	1:50							start + 225 in 40/100 P. 24.62 32.00'
	2:20		1.52					to 100' (7' 2031)
	2:01							start dip
	2:10		35					Displ. and 35 sec - clean up
								no complete
								cut 'd' area
								Thank You!
								J. Allen + Ron

RECEIVED
STATE CORPORATION COMMISSION

DEC 30 1993

CONSERVATION DIVISION
Wichita, Kansas

CUSTOMER



CHARGE TO: Allen D...
 ADDRESS:
 CITY, STATE, ZIP CODE:

COPY

TICKET No. 568295

PAGE 1 OF 2

FORM 1906 R-12

1. SERVICE LOCATIONS	WELL/PROJECT NO. <u>1-27</u>	LEASE <u>...</u>	COUNTY/PARISH <u>...</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>12-9-92</u>	OWNER <u>...</u>
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR <u>Allen D...</u>	RIG NAME/NO. <u>#5</u>	SHIPPED VIA <u>...</u>	DELIVERED TO <u>...</u>	ORDER NO.
3.	WELL TYPE <u>01</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>010</u>	WELL PERMIT NO.	WELL LOCATION <u>2717-21</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
000-117		1				MILEAGE 34720 (RT)	3	81	MZ		2.3	104
11-11		1				Pump Service	5		FT		12.5	825
030-503		1				Top Plug 1/2" CP-1	1	PA	CP-1		45.12	75

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: X [Signature]

DATE SIGNED: DEC 30 1992 TIME SIGNED: 10:00 A.M. P.M.

SUB SURFACE SAFETY VALVE WAS: PULLED & RETURN PULLED RUN

TYPE LOCK	DEPTH	SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
BEAN SIZE	SPACERS		OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
TYPE OF EQUALIZING SUB.	CASING PRESSURE	WE UNDERSTOOD AND MET YOUR NEEDS?				FROM CONTINUATION PAGE(S) <u>2444</u>
TUBING SIZE	TUBING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WELL DEPTH		WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>MARSH PETS</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X [Signature]</u>	HALLIBURTON OPERATOR/ENGINEER <u>Allen Gabel 88686</u>	EMP #	HALLIBURTON APPROVAL
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CONSERVATION DIVISION
William, 11/11/92

Phone 913-483-2627, Russell, Kansas

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. 3514

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	12-18-93	Sec.	27	Twp.	17	Range	21	Called Out	11:30 pm	On Location	3:30 Am	Job Start	5:00 Am	Finish	7:15 Am
Lease	McCormick	Well No.	2	Ug Zinc Location				E To mm 181/4	W to	6N	W into	Ness	County	KS	State

Contractor	Allen Drlg. CO.
Type Job	Rotary Plug
Hole Size	12 1/4 7 3/8
Csg.	8 1/8
Tbg. Size	
Drill Pipe	
Tool	
Cement Left in Csg.	
Press Max.	
Meas Line	
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 *Allen Drlg. CO.*

Street *6565 S. Dayton suite 3800*

City *Englewood* State *CO. 80111*

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.

X *Martin Put*

EQUIPMENT

Pumptrk	No. 195	Cementer	Don H
		Helper	Kent R
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	222	Driver	Bob B
Bulktrk		Driver	

CEMENT

Amount Ordered *185 sk 1/4 68 Gel*

Consisting of *1/4 # F10991*

Common

Poz. Mix

Gel.

Chloride

Quickset

DEPTH of Job

Reference:	<i>Pump Truck</i>	
	<i>Mileage</i>	
	<i>1 8 1/8 Plug</i>	
		Sub Total
		Tax
		Total

Sales Tax	
Handling	
Mileage	
Sub Total	
Total	
Floating Equipment	

Remarks: *Pumped 50sk at 1470'*

60 sk at 800' 50sk at 590, 10sk

at 40' 15sk in R11

By Allied Cementing

THANKS Don

Naider