

ORIGINAL

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

API NO. 15- 071-20638-0000

County Greeley

W/2-NW-NW Sec. 6 Twp. 20 Rge. 39 X^E_W

4620 Feet from S (circle one) Line of Section

4950 Feet from E (circle one) Line of Section

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

Lease Name Kuttler Well # 1-6

Field Name Bradshaw

Producing Formation Winfield

Elevation: Ground 3550 KB 3561

Total Depth 2858' PBTD 2848'

Amount of Surface Pipe Set and Cemented at 355 Feet

Multiple Stage Cementing Collar Used? Yes XX No

If yes, show depth set -- Feet

If Alternate II completion, cement circulated from 2858

feet depth to Surface w/ 530 sx cmt.

Drilling Fluid Management Plan ALT II 3-27-96
(Data must be collected from the Reserve Pit) Re

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

Operator: License # 4894

Name: Horseshoe Operating, Inc.

Address 500 West Texas Suite 1190

City/State/Zip Midland, TX 79701

Purchaser: _____

Operator Contact Person: S.L. Burns

Phone (915) 683-1448

Contractor: Name: Murfin Drilling Co., Inc.

License: 30606

Wellsite Geologist: --

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:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back _____ PBTD

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) _____ Docket No. _____

9/16/95 9/18/95 10/4/95

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 207B, 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 S. L. Burns

Title Vice President Date 12/29/95

Subscribed and sworn to before me this 29 day of December, 19 95.

Notary Public Debbie Hanson

Date Commission Expires 8-9-97

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution
 KCC SUD/Rep NGPA
 KGS Plug Other
(Specify)
RECEIVED
STATE CORPORATION COMMISSION

DEBBIE HANSON
Notary Public, State of Texas
My Commission Expires 08-09-1997

Form ACO-1 (7-91)
JAN 08 1996

Operator Name Horseshoe Operating, Inc. Lease Name Kuttler Well # 1-6

Sec. 6 Twp. 20 Rge. 39 East West
 County _____

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
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run:

<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample		
Name	Top	Datum
Stone Corral		2458
Winfield	2817	2838

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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	13-3/4"	8-5/8"	24#	355	Pozmix	240	2% gel, 3% CACL
Production	7-7/8"	4-1/2"	11.6#	2857		530	

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	2816-2823
		26,000# sand	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8	2812'	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, S/D or Inj.	Producing Method
	<input type="checkbox"/> Flowing <input checked="" 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
	--		50		50			

Disposition of Gas: Vented Sold Used on Lease (if vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval Other (Specify) _____



HALLIBURTON

JOB SUMMARY

HALLIBURTON DIVISION Mid Cont.
HALLIBURTON LOCATION LIBERAL, KS

WELL FILE Wells
March 1-6
BILLED ON TICKET NO. 881227

WELL DATA

FIELD _____ SEC. 6 TWP. 20S RNG. 39W COUNTY GREELEY STATE KS

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 2958

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>U</u>	<u>11.6</u>	<u>4 1/2</u>	<u>KB</u>	<u>2957</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
PLUG <u>INSERT FLOAT</u>	<u>1</u>	<u>HOWCO</u>
FLOAT SHOE		
GUIDE SHOE	<u>1</u>	
CENTRALIZERS	<u>5</u>	
BOTTOM PLUG		
TOP PLUG	<u>1</u>	
HEAD	<u>1</u>	
PACKER <u>SCRATCHERS</u>	<u>1</u>	
OTHER <u>WELD A</u>	<u>1</u>	

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-17-95</u>	DATE <u>9-17-95</u>	DATE <u>9-17-95</u>	DATE <u>9-18-95</u>
TIME <u>1630</u>	TIME <u>2030</u>	TIME <u>2316</u>	TIME <u>0003</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API

DISPL. FLUID _____ DENSITY _____ LB/GAL. °API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____

ACID TYPE _____ GAL. _____

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 _____

OTHER _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>W. Fox</u>	<u>D4437</u>	<u>420042</u>
	<u>P.U.</u>	<u>LIBERAL, KS</u>
<u>K. BOONE</u>	<u>48741</u>	<u>76374</u>
	<u>RLM</u>	
<u>D. CARPERING</u>	<u>75237</u>	
	<u>Bulk</u>	<u>HUGOTON, KS</u>
<u>D. CARPERING</u>	<u>6610</u>	
	<u>Bulk</u>	

MSDS CORPORATION

DEC

CONSERVATION DIVISION
WICHITA, KS

DEPARTMENT 5001-CEMENT

DESCRIPTION OF JOB 4 1/2 Long string

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X R. Heggins

HALLIBURTON OPERATOR WES FOX COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>430</u>	<u>Midcon 2</u>		<u>B</u>	<u>2% CC - 1/4# FLOCEL</u>	<u>3.22</u>	<u>11.1</u>
<u>2</u>	<u>100</u>	<u>REM Plus</u>		<u>B</u>	<u>10% EM-2 - 1% CC - 1/10 90 Halad 322</u> <u>15% salt - 1/4# FLOCEL - 1/4# P-1</u>	<u>1.58</u>	<u>14.8</u>

PRESSURES IN PSI

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 0 REASON _____

SUMMARY

VOLUMES

PRESLUSH: BBL.-GAL. _____ TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. 44.2

CEMENT SLURRY: BBL.-GAL. 246.6 - 28.2 RECEIVED

TOTAL VOLUME: BBL.-GAL. 319 STATE CORPORATION COMMISSION

REMARKS

SEE Job Log JAN 08 1996

MSDS with Co. REP

CUSTOMER: _____ LEASE: _____ WELL NO.: _____ JOB TYPE: _____ DATE: _____

JOB LOG HAL-2013-C

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Horseshoe Oper.		1-6		Kuttler		4 1/2 Long String		881229	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1630								Called out for 2030
	2030								on location - Rig LDDC
	2115								Set up Co. Truck
	2120								Safety Meeting
	2130								Run 4 1/2 casing in Hole
	2245								PIPE on Bottom + Change Elevators
	2255								Hook up to Circulate
	2256								BREAK Circulation
	2315								Hook up to CEMENT
	2316	7	24.6				150		mix 430 SX LEAD CEMENT #+11.1 PPG
	2343	7	28.2				150		mix 100 SX TAIL CEMENT #+14.8 PPG
	2350								SHUT DOWN - WASH Pumps + LINES
	2353	6	44.2				50		DROP TOP Plug + Displace CEMENT
	2357	6					200↑		CEMENT TO SURFACE - 24 Bbl
	0003	3/0					700/1500		Plug DOWN - Float Held
									Job Complete
									Plug Landing PSF - 700 PSI
									Bump to - 1500 PSI
									Cement to Pit - 24 Bbl
									42 SX
									Thanks for calling
									Halliburton
									Wes Ft & Lew
									RECEIVED
									KANSAS CORPORATION COMMISSION
									DEC 19 1995
									CONSERVATION DIVISION
									WICHITA, KS
									STATE CORPORATE COMMISSION
									JAN 08 1996

ORIGINAL



HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: House shoe OPERATING

ADDRESS: _____

CITY STATE, ZIP CODE: _____

SEP 1995 RECEIVED

CUSTOMER COPY

TICKET No. **881228**

PAGE 1 OF 1

SERVICE LOCATIONS 1. Libe 201 K3 025540	WELL/PROJECT NO 7-16	LEASE Kortleir	COUNTY/PARISH Greene	STATE KS	CITY/OFFSHORE LOCATION 5712 bunc	DATE 9-17-95	OWNER S.A.M.
2. Hung ton K3 025550	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR M.L.N.	RIG NAME/NO.	SHIPPED VIA KIT	DELIVERED TO LOCATION	ORDER NO.
3.	WELL TYPE 02	WELL CATEGORY 01	JOB PURPOSE 035 4 2	WELL PERMIT NO.	WELL LOCATION 6-20-39w		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		U/M	U/M			
000-117		1			MILEAGE 75.34	1 EA	16.00	2.75	440	
001-076		1			Pump Charge	6 1/2	2857 1/4		1-55	
030-018		1			SWAPER Top Plug	1 EA	4'		55	
16A	830.2011	1			Texas Pattern Guide shoe	1 EA			155	
24A	815.1901	1			Insert Float	1 EA			73	
27	815.1231A	1			Fill Plug	1 EA			45	
40	806.60004	1	ORIGINAL		Centralizers	5		50.00	250	
56	806.91220	1			Seal patches	10		25.00	255	
350	890.10802	1			Weld-A	1			14	

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.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X [Signature]
DATE SIGNED: 9/17/95 TIME SIGNED: 9:00

A.M. P.M.

do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS:

PULLED & RETURN PULLED RUN

TYPE LOCK _____ DEPTH _____

BEAN SIZE _____ SPACERS _____

TYPE OF EQUALIZING SUB. _____ CASING PRESSURE _____

TUBING SIZE _____ TUBING PRESSURE _____ WELL DEPTH _____

TREE CONNECTION _____ TYPE VALVE _____

SURVEY:

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? AGREE UNDECIDED DISAGREE

WE UNDERSTOOD AND MET YOUR NEEDS? AGREE UNDECIDED DISAGREE

OUR SERVICE WAS PERFORMED WITHOUT DELAY? AGREE UNDECIDED DISAGREE

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? AGREE UNDECIDED DISAGREE

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

DEC 19 1995

CONSERVATION DIVISION
WICHITA, KS

PAGE TOTAL: 2093

FROM CONTINUATION PAGE(S): 1246

1513

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE

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): Wesley CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): [Signature]

HALLIBURTON OPERATOR/ENGINEER: WESLEY EMP #: 04437

HALLIBURTON APPROVAL: _____

ALLIED CEMENTING CO., INC.

3577
will file

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

SERVICE POINT:

OAKLEY, Ks

DATE <u>9-15-95</u>	SEC <u>22</u>	TWP. <u>20S</u>	RANGE <u>39W</u>	CALLED OUT	ON LOCATION <u>2:00 PM</u>	JOB START <u>2:25 PM</u>	JOB FINISH <u>2:45 PM</u>
LEASE <u>RUTHER</u> WELL # <u>1-6</u>				LOCATION <u>WHITE LAW 75</u>		COUNTY <u>GREELEY</u>	STATE <u>KS</u>

OLD OR NEW (Circle one)

CONTRACTOR <u>MURFIN DRILL RIG #20</u>	OWNER <u>SAME</u>
TYPE OF JOB <u>SURFACE</u>	CEMENT
HOLE SIZE <u>12 1/4</u>	T.D. <u>355'</u>
CASING SIZE <u>8 5/8"</u>	DEPTH <u>355'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	

AMOUNT ORDERED 240 SKS 60/40 P02 3% CC
2966L

COMMON	<u>144 SKS</u>	@ <u>7.20</u>	<u>1,036.80</u>
POZMIX	<u>96 SKS</u>	@ <u>3.12</u>	<u>302.40</u>
GEL	<u>4 SKS</u>	@ <u>9.20</u>	<u>36.80</u>
CHLORIDE	<u>8 SKS</u>	@ <u>28.00</u>	<u>224.00</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>240 SKS</u>	@ <u>1.05</u>	<u>252.00</u>
MILEAGE	<u>4¢ per SK/mile</u>		<u>768.00</u>

TOTAL 2,621.20

EQUIPMENT

PUMP TRUCK	CEMENTER <u>TERRY</u>
# <u>300</u>	HELPER <u>WAYNE</u>
BULK TRUCK	
# <u>218</u>	DRIVER <u>WAYNE</u>
BULK TRUCK	
#	DRIVER

REMARKS:
DISPLACEMENT 2 1/2 BBL

CEMENT DIA CIRC.

SERVICE

DEPTH OF JOB	<u>355</u>
PUMP TRUCK CHARGE	<u>445.00</u>
EXTRA FOOTAGE	<u>55 FT. @ 4.14 = 22.80</u>
MILEAGE	<u>80-mile @ 2.35 = 188.00</u>
PLUG	<u>8 5/8 SURFACE @ 45.00</u>
	@
	@
	@
	@
	@
TOTAL	<u>900.55</u>

CHARGE TO: HORSESHOE OPERATING
STREET 500 W Texas, #1190
CITY Midland STATE Tex ZIP 79701

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
	@	
TOTAL		

KANSAS CORPORATION COMMISSION

DEC 19 1995

RESERVATION DIVISION
MICHITA, KS

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]

TAX _____
TOTAL CHARGE _____
DISCOUNT _____ IF PAID IN 30 DAYS

Demick