

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

API NO. 15- 033-20940 0000

County Commanche

W/2 W/2 - NE - 8 Sec. 32 Twp. 18 Rge. X E W

1320 Feet from (N) (circle one) Line of Section

2310 Feet from (E)W (circle one) Line of Section

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

Lease Name Brass Well # 1-8

Field Name W/C

Producing Formation None

Elevation: Ground 2142 KB 2156

Total Depth 6088 PBDT 6019

Amount of Surface Pipe Set and Cemented at 692 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 D&A 9H 11-25-97  
(Data must be collected from the Reserve Pit)

Chloride content 9500 ppm Fluid volume 8200 bbls

Dewatering method used Evaporation/Hauled/free liquids.

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 # 5293

Name: Helmerich & Payne, Inc.

Address 2606 Fleming

City/State/Zip Garden City, Kansas 67846

Purchaser: \_\_\_\_\_

Operator Contact Person: Ken Jehlik/Mike LaMascus

Phone (316) 276-3693

Contractor: Name: Duke Drlg

License: 5929

Wellsite Geologist: Brad Rine

Designate Type of Completion

X New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover

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

If Workover/Reentry: 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. \_\_\_\_\_

9-13-97 9-25-97 10-23-97  
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 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 Ken Jehlik  
Title District Mgr. Date 10-7-97

Subscribed and sworn to before me this 10th day of October, 19 97.

Notary Public Judith R. Rich

Date Commission Expires August 15, 2000

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)

Operator Name Helmerich & Payne, Inc. Lease Name Brass Well # 1-8

Sec. 8 Twp. 32 Rge. 18  East  West  
 County Commanche

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 Datums	<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	Heebner	4334	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	4552	
List All E.Logs Run:		Marmaton	5024	
GRCNL, Induction G.R., Microlog G.R.		Ft. Scott	5104	
BH Sonic G.R.		Miss (Spurgen)	5178	
		Viola A	5683	
		Viola B	5726	
		Simpson	5884	
		Arbuckle	6044	
		LTD	6082	

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
Conductor		20"		40	Redimix	4 yards	
Surface	12 1/4	8-5/8	24	692	Litewate Class A	275	3% CC
Production	7-7/8	5 1/2	15.5	6068	EA-2	150	3% CC, 2% gel 5% Gilsomite 18% salt

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
	2	Viola	5776-5788	2000 gal	
2	Pawnee	5082-5096	2000 gal	15% HCL	5078-5064
2	Marmaton	5035-5043	1500 gal	15% HCL	
2	Douglas Sd	4400-4408	1000 gal	7 1/2% HCL	4500

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	None	Dry Hole			
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)				
None					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	NON COMMERCIAL				

Disposition of Gas: METHOD OF COMPLETION

Vented  Sold  Used on Lease (If vented, submit ACO-18.)

Open Hole  Perf.  Dually Comp.  Commingled Dry hole

Other (Specify) \_\_\_\_\_

Drill Stem Tests

DST #1 5064-5223 (Pawnee)

15-033-20940-00-00

IH 2405  
15" IFP 104 to 57  
60" ISIP 1663  
60" FFP 119 to 72  
120" FSIP 1704  
FH 2426  
Recovery: 130' mud  
Initial Flow Rate = 18.5 MCFD  
Final Flow Rate = 129 MCFD to 34 MCFD

DST #2 5688-5745 (Viola)

IH 2798  
15" IFP = 47 TO 34  
60" ISIP = 215  
60" FFP = 37 TO 37  
120" FSIP = 222  
F.H. = 2792  
Recovery: 165' of gas  
          15' of mud

RECEIVED  
STATE COMMISSION  
NOV 5 1977  
CONSULTATION DIVISION  
Viola, Kansas

# ALLIED CEMENTING CO., INC. 6325

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

ORIGINAL

SERVICE POINT:  
med. lodges, ks.

DATE <u>9-14-97</u>	SEC. <u>8</u>	TWP. <u>32</u>	RANGE <u>18</u>	CALLED OUT <u>3:00 A.M.</u>	ON LOCATION <u>5:30 A.M.</u>	JOB START <u>9:00 A.M.</u>	JOB FINISH <u>10:30 A.M.</u>
LEASE <u>Brass</u>		WELL# <u>1-8</u>	LOCATION <u>Coldwater + 183, 1/2 E - 1/4 S</u>		COUNTY <u>Pomanche</u>	STATE <u>Ks.</u>	

OLD OR NEW (Circle one)

CONTRACTOR Duke #7  
 TYPE OF JOB Surface Csg.  
 HOLE SIZE 12 1/4 T.D. 1105'  
 CASING SIZE 8 5/8 x 24 DEPTH 698  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2 x hole DEPTH 1105  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 400 MINIMUM 150  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 27.59  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_

OWNER Helmerich + Payne  
 CEMENT

AMOUNT ORDERED 2755xs. ALW + 3% CACI2  
1/4# Flo-Seal. 150xs. CLASS A 3% CACI2  
2% Gel

COMMON A 150  
 POZMIX \_\_\_\_\_  
 GEL 3  
 CHLORIDE 14  
ALW 275  
Flo-Seal 69#

**EQUIPMENT**

PUMP TRUCK CEMENTER Army Drilling  
 # 233-302 HELPER Justin Hart  
 BULK TRUCK  
 # 257-251 DRIVER James Holt  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

HANDLING 425  
 MILEAGE 425 x 40

**REMARKS:**

**SERVICE**

mixt Pump 2755xs. ALW + 3% CACI2 +  
1/4# Fb-seal. 150xs. CLASS A + 2% Gel  
3% CACI2. Stop Pumps. Release Plug.  
Pump + Displace Plug w/ 42 3/4 Bks  
Fresh H<sub>2</sub>O. Bump Plug Shut. In.  
Cement Circ. to Surface

DEPTH OF JOB 698'  
 PUMP TRUCK CHARGE 0.300'  
 EXTRA FOOTAGE 398'  
 MILEAGE 40  
 PLUG Rubber 8 1/8"

CHARGE TO: Duke Drilg. Co.  
 STREET Box 823  
 CITY Great Bend STATE Ko ZIP 67530

**FLOAT EQUIP**

Baffle Plate  
Basket

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 X. Kenneth McCre KENNETH McCre



HALLIBURTON

HALLIBURTON ENERGY SERVICES

1906-D

27

CHARGE TO:  
**HELMERTCH; PAYNE**  
 ADDRESS  
 CITY, STATE, ZIP CODE

ORIGINAL - DUNCAN COPY

TICKET

VSCC  
5 1/2 Prod Csg

No.

307983 - 5

PAGE 1 OF 2

1. SERVICE LOCATIONS <b>PRATT KS 25555</b>	WELL/PROJECT NO. <b>1-8</b>	LEASE <b>BRASS</b>	COUNTY/PARISH <b>COMMANCHE</b>	STATE <b>Ks</b>	CITY/OFFSHORE LOCATION	DATE <b>9-27-97</b>	OWNER
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <b>Duke Dril Co.</b>	RIG NAME/NO. <b>47</b>	SHIPPED <b>VIA C.T.</b>	DELIVERED TO <b>WELL SITE</b>	ORDER NO.
3.	WELL TYPE <b>02</b>	WELL CATEGORY <b>01</b>	JOB PURPOSE <b>035</b>	WELL PERMIT NO. <b>1503320940000</b>	WELL LOCATION <b>8-325-18W</b>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

ORIGINAL

JOB PURPOSE	PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT		UNIT PRICE	AMOUNT
			LOC	ACCT	DF			U/M		U/M		
	000-117					MILEAGE RTP Tck #52509	120	MI			3.20	384
	000-115					CREW MILEAGE	110	MI			1.95	234
	001-016					Pump CHARGE	6051	FT	6	HRS	2380	2386
	12A	825-205				GUIDE SHOE	5	1/2	1	EA	121	121
	030-016					SW TOP Plug	5	1/2	1	EA	66	66
	24A	815-19251				INSERT FLOAT VALVE	5	1/2	1	EA	121	121
	27	815-19313				FILL UP UNIT	5	1/2	1	EA	76	76
	40	806-60022				CENTRALIZERS	5	1/2	10	EA	67	670
	018-315					MUD FLUSH	500	9AL			.75	375
						Bulk T # 100099						10,055.55

**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.

DATE SIGNED **9-27-97** TIME SIGNED **A.M.**  P.M.

do  do not require IPC (Instrument Protection).  Not offered

TYPE LOCK	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		PAGE TOTAL <b>14, 188 55</b>
BEAN SIZE	TYPE OF EQUALIZING SUB.	CASING PRESSURE	FROM CONTINUATION PAGE(S)
DEPTH	TUBING SIZE	TUBING PRESSURE	WELL DEPTH
SPACERS	TREE CONNECTION	TYPE VALVE	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) <b>Mickey Kovelady</b>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <b>X Mickey Kovelady</b>	HALLIBURTON OPERATOR/ENGINEER <b>Toon A Se31</b>	EMP # <b>61622</b>	HALLIBURTON APPROVAL
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# Halliburton Energy Services

DATE:09-26-1997

TIME:18:08:51

SERVICE TICKET: 307983

PRATT-25555

BULK TICKET ONLY: 100099

JOB PURPOSE:LONG STRING

COMPANY TRUCK::5621 DRIVER: B.SHORE

CUSTOMER: HELMERICH & PAYNE

LEASE & WELL#:BRASS #1-8

504-308	STANDARD CEMENT	350	SKS.	10.83	3790.50
507-775	HALAD-322	247	LBS.	7.70	1901.90
509-968	W/W SALT	3200	LBS.	0.17	544.00
507-970	D-AIR	88	LBS.	3.65	321.20
508-291	GILSONITE	1750	LBS.	0.50	875.00
508-127	EA-2	18	SKS.	28.00	504.00

ORIGINAL

500-207 SERVICE CHARGES 455 CU FT 1.55 705.25  
 TOTAL 8641.85

500-306 WEIGHT: 39935 MILES: 60 TON MILES: 1198.05 1.18 1413.70  
 TOTAL BOOK PRICE OF BULK TICKET: \$10055.55  
10055.55

500-225 RETURN SERVICE CHARGES \_\_\_\_\_ CU FT 1.55 \_\_\_\_\_

500-306 WEIGHT: \_\_\_\_\_ RETURN MILES: 60 TON MILES: \_\_\_\_\_ 1.18 \_\_\_\_\_



JOB LOG 4239-5

TICKET# 307983 TICKET DATE 9-27-97

REGION North America	NWA/COUNTRY USA	BDA / STATE KS	COUNTY Comanche
MBU ID / EMP # 61622	EMPLOYEE NAME TODD SEBA	PSL DEPARTMENT STEM	
LOCATION FRATT 2555	COMPANY HEIMTSCHE, PAYNE	CUSTOMER REP / PHONE Mickey Lowlady	
TICKET AMOUNT 14,478.55	WELL TYPE 02	API / UWI # 1503320940000	
WELL LOCATION Coldwater Ki	DEPARTMENT CMT	JOB PURPOSE CODE 035	
LEASE / WELL # Dross 1-8	SEC / TWP / RNG 8-32S-19W		

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
J. Seba 61622 8			
C. Baker 69447 8			
B. Shore 51210 8			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	02:30							Called out
	02:30							on la SAFETY MTG
								GUIDE SHOE: TFAF 1ST JT
								CENTRAL 201S and JTS
								1, 9, 13, 17, 21, 25, 29, 33, 37, 41
	03:30							START Csg
	05:55							DROP BALL ORIGINAL
	06:00							Csg on Bottom
	06:10							Hook up to Well
	06:22		6					400 Bitrate (Csg w/lot flow)
	06:47	6						400 START PRE FLUSHES
	06:54	6	12					500 START MIXING CMT
	07:07		91.6					FLUSHED MIXING CMT
								SHUT DOWN Clear Lines Release Plug
	07:10	2				250		START Desp/
		6	100			400		LEFT CMT
			120					STOP RELEP.
		4	123			700		
		2	135			750		
	07:39	2	144			1150		plug down Release HELD
	07:36							WASHUP - Job Complete THANDI Pack up - CDEL Agptw OFF LOG - TOO, correct, BESSIE