

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

Form ACO-1
 September 1999
 Form Must Be Typed

ORIGINAL

Operator: License # 5293
 Name: Helmerich & Payne, Inc.
 Address: 1579 E. 21st Street
 City/State/Zip: Tulsa, OK 74114
 Purchaser: _____
 Operator Contact Person: Sharon LaValley
 Phone: (918) ⁵⁸⁵⁻¹¹⁰⁰ 742-5534
 Contractor: Name: Cheyenne Drilling
 License: 5382
 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/Re-entry: Old Well Info as follows:

API No. 15 - 055-21716-00-00
 County: Finney
 - NW- SE- NE Sec. 33 Twp. 25 S. R. 31 East West
 3685 feet from **(S)** N (circle one) Line of Section
 1250 feet from **(E)** W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Beach Well #: 2-2
 Field Name: Hugoton
 Producing Formation: Chase
 Elevation: Ground: 2836 Kelly Bushing: 2842
 Total Depth: 2810' Plug Back Total Depth: 2763'
 Amount of Surface Pipe Set and Cemented at 350 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from 2802
 feet depth to surface _____ w/ 525 sx cmt.
ALT II Wellm 9-28-06

Operator: _____
 Well Name: _____
 Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. To Enhr. SWD
 Plug Back _____ Plug Back Total Depth _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. _____
02/10/01 02/13/01 03/20/01
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

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MAY 21 2001

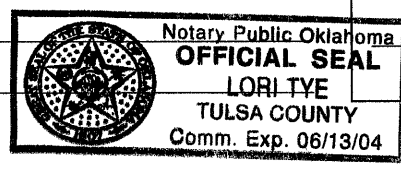
Drilling Fluid Management Plan
 (Data must be collected from the reserve pit)
 Chloride content Est 1000 ppm Fluid volume 1000 bbls
 Dewatering method used Evaporation
 Location of fluid disposal if hauled offsite: _____
 Operator Name: NA
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. East West
 County: _____ Docket No.: _____

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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 of 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 completed and correct to the best of my knowledge.

Signature: Sharon LaValley
 Title: Engineer Tech Date: 5/17/01
 Subscribed and sworn to before me this 17th day of May,
2001.
 Notary Public: Lori Tye
 Date Commission Expires: 6/13/04



KCC Office Use Only

Yes Letter of Confidentiality Attached
Yes If Denied, Yes Date: _____
Yes Wireline Log Received
 _____ Geologist Report Received
 _____ UIC Distribution

✓

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Side Two

Operator Name: Helmerich & Payne, Inc. Lease Name: Beach Well #: 2-2

Sec. 33 Twp. 25 S. R. 31 East West County: Finney

Instructions: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Takes Yes No
 Electric Log Run Yes No
 (Submit Copy)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

List All E. Logs Run:
 Dual Spaced Neutron

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 1/2	8 5/8	23#	350'	Prem Plus Lite C	60	2% CC + 1/4# flocele
					50/50 Poz Prem Plus C	125	2% CC + 1/4# flocele
Production	7 7/8	5 1/2	15.5#	2802'	Prem Plus Lite C	400	1/4# Flocele
					50/50 Poz	125	10% Salt + 1/4# Flocele

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				

Shot Per Foot	PERFORATIONS RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	Upper Krider 2633-2641	21600 gal of 70Q N2 foam cont. 41000 lbs 16/30 White Sand in 1 to 4 ppg stages	
TUBING RECORD Size <u>2 3/8</u> Set At <u>2672'</u> Packer At		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>3/20/01</u>		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 <u>0</u>	Gas Mcf <u>255</u>	Water Bbls <u>51</u>
		Gas-Oil Ratio	Gravity

Disposition of Gas Vented Sold Used on Lease (If Vented, Submit ACO-18) Open Hole Perf. Dually Comp. Commingled 2633-2641 Other (Specify)

JOB SUMMARY

REGION North America	NWA / TRY MidCoast USA	TICKET # 105173	TICKET DATE 2-10-01
MBU ID / EMP # MCL10110 106328	EMPLOYEE NAME Nick Karbe	BDA / STATE Ks	COUNTY Finney
LOCATION Liberal	COMPANY Cheyenne Dalg (H&P)	PSL DEPARTMENT 21	
TICKET AMOUNT 66463.53	WELL TYPE 02	CUSTOMER REP / PHONE Damaso	
WELL LOCATION 8E 1/2 N of Plym School	DEPARTMENT Cement	API / UWI #	JOB PURPOSE CODE 010 ORIGINAL
LEASE / WELL # Beach 2-2	SEC / TWP / RNG 35-25S-31W		

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
N. Karbe 106328	6.5						
J. Evans 212723	6.5						
E. Lewis 217663	6.5						

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
421270	140						
40219237	140						
53335/75818	140						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar 1 1/2"	1	H
Float Shoe 1 1/2" tube	1	0
Guide Shoe		4
Centralizers 5-4	3	C
Bottom Plug		0
Top Plug 5-w Plastic	1	0
Head		
Packer		
Other		

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	In
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

DATE TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	2-10-01 0930	2-10-01 1400	2-10-01 1900	2-10-01 1930

WELL DATA						
	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	24	8 5/8	0	350	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						
Perforations						SHOTS/FT.
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
2-10-01	6.5 hrs	2-10-01	1/2 hr	010
TOTAL	6.5 hrs	TOTAL	1/2 hr	

ORDERED	HYDRAULIC HORSEPOWER	Avail.	Used
TREATED	AVERAGE RATES IN BPM	Disp.	Overall
FEET 40	CEMENT LEFT IN PIPE	Reason	shjt

STAGE	SACKS	CEMENT	BULK/SKS	CEMENT DATA	ADDITIVES	YIELD	LBS/GAL
L	60	HLL "C"	B	2% CC, 1/2" Polyflake		2.05	12.3
T	125	Premt "C"	B	2% CC, 1/2" Polyflake		1.34	14.8

Circulating	Displacement	Preflush:	Gal - BBI	Type:
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp: BBI - Gal 20
Shut In: Instant	5 Min	Cement Slurr	Gal - BBI	
	15 Min	Total Volume	Gal - BBI	22/29

Frac Ring #1	Frac Ring #2	Frac Ring #3	Frac Ring #4
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CUSTOMER'S REPRESENTATIVE SIGNATURE
Ramon Ruiz

THE INFORMATION STATED HEREIN IS CORRECT

JOB SUMMARY

REGION NORTH AMERICA LAND		NWA / COUNTRY MID CONT USA		SALES ORDER NUMBER 1163111		TICKET DATE 2-27-2001	
MBU ID / EMPL # MCLIO594/106297		H.E.S. EMPLOYEE NAME DENNIS NEIFERT		BDA / STATE LIBERAL KS		COUNTY / STATE Finney Kansas	
LOCATION Liberal		COMPANY Helmerich & Payne		PSL DEPARTMENT P.E. / Stimulation		CUSTOMER REP / PHONE Mick Lovelady 316-272-1552	
TICKET AMOUNT N/A		WELL TYPE 02- GAS		API/UWI #		ORIGINAL	
WELL LOCATION Sublette		DEPARTMENT FRAC 5005		SAP BOMB NUMBER 275			
LEASE NAME Beach		Well No. #2-2		SEC / TWP / RNG 33-25S-31W			

H.E.S. EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS	
K. KINSINGER 106259	3.0	T. WEIAND 106087	3.0	K. THOMAS 106123	3.0
D. NEIFERT 106297	3.0	C. CORNELSON 189366	3.0	G. GORE 106292	3.0
K. HEDRICK 106013	3.0	T. KENT 222427	3.0	M. STEWART 105835	3.0
B. MERKLIN 106030	3.0	S. FREDRICK 106114	3.0	R. CHAVEZ 106018	3.0

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES	
402214-1672	120	420227-78399	120	10205742	120
422361	120	53911-78319	120	421644	120
53476-76633	120	54095-75377	120	0456-2274	120
53554-6660	120	54091	120	52105-8219	120

Form. Name Herrington Type: _____
 Form. Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. 100° Pressure _____
 Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
	02/27/2001	02/27/2001	02/27/2001	02/27/2001
Time	0530	1130	1235	1332

Type and Size	Qty	Make
Float Collar		
Float Shoe		
Centralizers		
Top Plug		
Packer		
DV Tool		
Insert Float		
Guide Shoe		
Other		

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	15.5	5 1/2			2800±	2,500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							Shots/Ft.
Perforations					2,633	2,641	
Perforations							
Perforations							

Materials		Density	20	Lb/Gal
Mud Type	DELTA 140	Density	20	Lb/Gal
Disp. Fluid	LINEAR	Density	20	Lb/Gal
Prop. Type	OTTAWA	Size	16/30	Lb
Prop. Type		Size		Lb
Acid Type		Gal.		%
Acid Type		Gal.		%
Surfactant	HC-2	Gal.	7	In
NE Agent		Gal.		In
Fluid Loss		Gal/Lb		In
Gelling Agent	LGC-4	Gal/Lb	5	In
Fric. Red.		Gal/Lb		In
Breaker	GBW-30	Gal/Lb	1	In
Blocking Agent		Gal/Lb		
Perfpac Balls		Qty.		
Other	BC-140 2/1000			
Other	BE-3S 0.15/1000			
Other				
Other				
Other				

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
2/27	3.0	2/27	3.0	*** SEE JOB LOG ***
Total	3.0	Total	3.0	

Ordered	1000	Hydraulic Horsepower Avail.	1000	Used	1,000
Treating	12	Average Rates in BPM	Disp.	Overall	13
Feet		Cement Left in Pipe	Reason		

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal

Summary			
Circulating Breakdown	Displacement Maximum	1,364	Preflush: Gal - BBI
Lost Returns-YES	Lost Returns-NO		Load & Bkdn: Gal - BBI
Cmt Rtrn#Bbl	Actual TOC		Excess /Return Gal BBI
Average	Frac. Gradient		Calc. TOC:
Shut In: Instant	5 Min.	15 Min.	Treatment: Gal - BBI
			Cement Slurry: Gal - BBI
			Total Volume Gal - BBI

Frac Ring #1
Frac Ring #2
Frac Ring #3
Frac Ring #4

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE Mick R. Chumme
SIGNATURE

ORIGINAL

Time	Description
12:19:05	Prime Pumps Tuesday February 27, 2001
12:19:22	Test Lines
12:35:45	Start Job
12:37:07	Stage Change Stage 1 - 6000 GAL 70Q DELTA PAD
12:53:11	Stage Change Stage 2 - 1000 GAL 70Q DELTA W/1PPG 16/30 OTTAWA
12:55:05	Surf Foam Proppant Conc 1.04 lb/gal
12:55:10	Stage Change Stage 3 - 2000 GAL 70Q DELTA W/2PPG 16/30 OTTAWA
12:59:19	Stage Change Stage 4 - 4000 GAL 70Q DELTA W/3PPG 16/30 OTTAWA
12:59:25	BH Proppant Conc 1.10 lb/gal
13:00:27	Surf Foam Proppant Conc 2.06 lb/gal
13:03:12	BH Proppant Conc 2.11 lb/gal
13:08:04	Stage Change Stage 5 - 6000 GAL 70Q DELTA W/4PPG 16/30 OTTAWA
13:11:44	BH Proppant Conc 3.12 lb/gal
13:21:54	Surf Foam Proppant Conc 1.06 lb/gal
13:22:08	Stage Change Stage 6 - 2632 GAL 70Q N2 FLUSH
13:25:23	Surf Foam Proppant Conc 0.06 lb/gal
13:26:43	BH Proppant Conc 2.12 lb/gal
13:27:50	BH Proppant Conc 1.12 lb/gal
13:32:28	End Job
13:32:53	ISIP 1120 PSI
13:33:12	TOTAL LOAD 167 BBLS
13:33:45	TOTAL N2 198000 SCF
13:34:17	TOTAL SAND 410 SKS
13:35:04	MAX PSI 1364 / AVG PSI 990 PSI
13:35:29	MAX RATE 13 / AVG RATE 12 BPM



JOB SUMMARY 70006

TICKET #	1138402	TICKET DATE	2-12-01
BDA / STATE	Kansas	COUNTY	Finney
PSL DEPARTMENT	Zonal Isolation		
CUSTOMER REP / PHONE	Mitch Ms Neil		
API / UWI #			
JOB PURPOSE CODE	035 5 1/2 Long String		
HES FACILITY (CLOSEST TO WELL SITE)	Liberal KS		

REGION	North America	NWA / COUNTRY	Mid-CON
MBU ID / EMP #	MCL 10101 / 106007	EMPLOYEE NAME	Terry Osby
LOCATION	Liberal, KS	COMPANY	Helmerich + Payne
WELL TYPE	Oil	DEPARTMENT	ZI
WELL LOCATION	N.E. of Sublette, KS	SEC / TWP / RING	Sec 33 - 25S - 31W
LEASE / WELL #	Beach / 2-2		

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
T. Osby	5	S. TATE	5	J. Lopez	5	N. Schawd	5
106007		105953		198514		222552	

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420995 p/u	100	54038 - 77941	100	52382 - 6611	50	52794 - 75818	50

Form Name _____ Type: _____
 Form Thickness _____ From: _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp: _____ Pressure _____
 Misc Data _____ Total Depth _____

DATE	CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
2-12	09:00	2-12	2-12	2-12
TIME		13:00	16:00	17:06

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoes	1	Howco
Centralizers	11	
Bottom Plug		
Top Plug	1	
Head		
Packer		
Other Limit Clamp	1	

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	15.50	5 1/2	0	2803	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						
Perforations						
Perforations						
Perforations						

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MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	In
Perfpac Balls	Qty	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
2-12	5	2-12	1	5 1/2 Long String
TOTAL	5	TOTAL	1	

ORDERED _____ **HYDRAULIC HORSEPOWER** _____ Used _____
 TREATED _____ **AVERAGE RATES IN BPM** _____ Overall _____
 FEET _____ **CEMENT LEFT IN PIPE** _____ Reason _____

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	400	HLC PP	SKS	1/8 # Poly Flake	2.07	12.2
	125	50/50 P82C	SKS	1/8 # Poly Flake - 10% SALT	1.28	14.4

Circulating _____ Displacement _____ Preflush: Gal-BBL 10 _____ Type Mud Flush
 Breakdown _____ Maximum _____ Load & Bkdn: Gal-BBI _____ Pad: BBI-Gal _____
 Average _____ Frac Gradient _____ Treatment Gal-BBI _____ Disp: BBI-Gal 65.65
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal-BBI 175.96 _____
 Total Volume Gal-BBI _____

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____
THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER'S REPRESENTATIVE SIGNATURE _____

