

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

Operator: License # 31160

Name: Phillips Exploration Company, L.C.

Address 2338 Bromfield Circle

City/State/Zip Wichita, Kansas 67226

Purchaser: none

Operator Contact Person: James B. Phillips

Phone (316) 683-9983

Contractor: Name: Duke Drilling Co., Inc

License: 5929

Wellsite Geologist: James B. Phillips

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: Dublin Petroleum Corporation

Well Name: Harmon No. 1-17

Comp. Date 6-23-90 Old Total Depth 6537

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

10-9-94 10-10-94 11-9-94
Spud Date Date Reached TD Completion Date

API NO. 15- 077-21211-00-01 ORIGINAL

County Harper

- NW - NW - NW Sec. 17 Twp. 34S Rge. 07 E W

330 Feet from S (circle one) Line of Section

330 Feet from E (circle one) Line of Section

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

Lease Name Harmon Well # 1-17"OWWO"

Field Name Wildcat

Producing Formation Mississippi

Elevation: Ground 1355 KB 1364

Total Depth 5220 PBTB 5064

Amount of Surface Pipe Set and Cemented at 237 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 cnt.

Drilling Fluid Management Plan ACT / DPW
(Data must be collected from the Reserve Pit) 1-10-89

none to haul, lost circulation

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:

Operator Name _____

Lease Name _____ License No. _____

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 James B. Phillips

Title President Date 1-3-95

Subscribed and sworn to before me this 5 day of Jan KANSAS 1995.

Notary Public Michelle Williams

Date Commission Expires 10-14-98

MICHELLE WILLIAMS
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 10-14-98

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
RECEIVED Geologist Report Received
CORPORATION COMMISSION
Distribution
 KCC SWD/Rep NGPA
AUG 03 1995 Plug Other
8-3-95 (Specify)
CONSERVATION DIVISION
WICHITA, KS Form ACD-1 (7-91)

Operator Name Phillips Exploration Company, LC Lease Name Harmon Well # 1-17"OWWO"

Sec. 17 Twp. 34S Rge. 07 East County Harper
 West

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<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	Heebner Shale	3438	-2075
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Kansas City	4048	-2685
List All E.Logs Run:		Mississippi	4654	-3291
Acoustic Cement Bond Log		Kinderhook Shale	5016	-3653
		Viola	5106	-3743

CASING RECORD <input 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	12 1/4	8 5/8		237	already set	in hole	in 1990
Production	7 7/8	5 1/2	14.0	5126	EA-2	175	5% CalSeal
							6of1% Halad

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
1	4899-4912, 4950-4968			
1/ 2'	4912-4950		4000 gal 15%HCL, 4789 hbbs slick water	
			24000 lbs 20/40 sand	4899-4968
	2- Hall Wireline CIBP's		at 4820	& 4780
4	4660 to 4670		2000 gal 15% HCL acid	4660-4670

TUBING RECORD	Size	Set At	Packer At	Liner Run
none				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SUD or Inj.	Producing Method
11-9-94 SIGW	<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

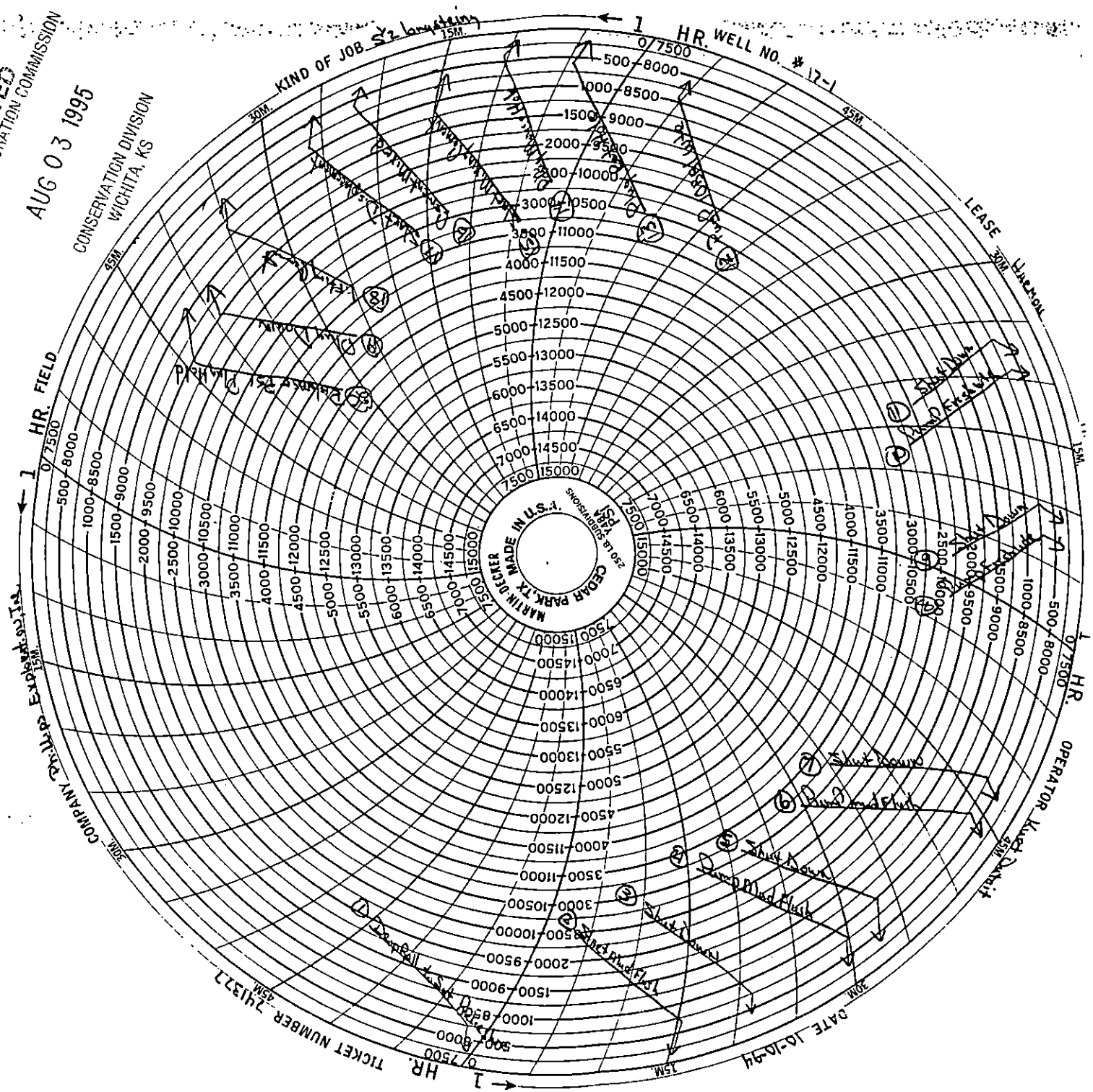
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	10	200	40	20000	35

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval: 4660-4670

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 AUG 03 1995
 CONSERVATION DIVISION
 WICHITA, KS



ORIGINAL



CHARGE TO:
Phillips Exploration Company
 ADDRESS
100 South Main, # 510
 CITY STATE, ZIP CODE
Wichita, Kansas 67202

ORIGINAL RECEIVED
 KANSAS CORPORATION COMMISSION
 No. **741377 - X**
 AUG 03 1995

TICKET
741377 - X

PAGE 1 OF 1

HAL-1906-N

SERVICE LOCATIONS 1. PLA, Ks. 25555	WELL/PROJECT NO. #17-1	LEASE HARMON	COUNTY/PARISH HARPER	STATE Ks.	OFFSHORE LOCATION WICHITA, KS Anthony, Ks.	DATE 10-10-94	OWNER SAME
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR Duke Drilling	RIG NAME/NO. Rig # 1	SHIPPED VIA 50120	DELIVERED TO Location	ORDER NO. N/A
3.	WELL TYPE 01-OIL	WELL CATEGORY 01-Development	JOB PURPOSE 5 1/2 Longstring - 035	WELL PERMIT NO. API # 15 07212110001	WELL LOCATION 4 west & 4 south of Anthony, Ks.		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS 22%						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117	70.15606-100		53305		MILEAGE Round Trip	60				2.25	165.00
001-016	576.07135-5				Pump Charge	5001-5500		5135		1895.00	1895.00
01B-315					Mud Flush	500	Gal			.65	325.00
80	855.137		NIS		FORMATION PACKER SHOES	5 1/2"		1	EA	2504.00	2504.00
596	801.03743		53308		Latch-Down Baffle	5 1/2"		1	EA	114.00	114.00
595	801.03743				Latch-Down Shut-off Plug	5 1/2"		1	EA	465.00	465.00
40	806.60022				Centralizers	5 1/2"		7	EA	44.00	308.00
320	806.70030				Basket	5 1/2"		2	EA	110.00	220.00
350	890.10802		53311		Weld-A	1 #		1	EA	14.50	14.50

ORIGINAL

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 <i>X Casey Coats</i> DATE SIGNED 10-10-94	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		SURVEY			AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL FROM CONTINUATION PAGE(S) SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	9637.85
	TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	WE UNDERSTOOD AND MET YOUR NEEDS?	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO		
	BEAN SIZE	SPACERS	TYPE OF EQUALIZING SUB.	CASING PRESSURE	TUBING SIZE	TUBING PRESSURE	WELL DEPTH	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND		
	TREE CONNECTION	TYPE VALVE								

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) Casey Coats	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>X Casey Coats</i>	HALLIBURTON OPERATOR/ENGINEER <i>Kurt Dutoit</i>	EMP # 8161010	HALLIBURTON APPROVAL
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TICKET CONTINUATION

ORIGINAL

TICKET No. 744377

HALLIBURTON ENERGY SERVICES

CUSTOMER Phillips Exploration Co.	WELL 17-1 HARMON	DATE 10-10-94	PAGE 2	OF 2
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FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-308	516.00261 200	1	53312		STANDARD CEMENT	175		sk		7.82	1368.50
507-277	516.00259 -2	1			HALLIBURTON GEL BLENDED 1%	2		sk		18.60	37.20
508-291	516.00337 -825	1			GILSONITE BLENDED 5#	875		lb		40	350.00
508-127	890.50131 -8	1			CAISEAL BLENDED 5%	8		sk		25.90	207.20
507-775	516.00144 -99	1			HALAD-322 BLENDED .6%	99		lb		7.00	693.00
509-968	516.00158 -900	1	53311		SALT BLENDED 10%	900		lb		15	135.00
LONGSTRING CEMENT LOADED ON TRUCK #4142/5621-FRONT											
504-308	516.00261 -0	1			STANDARD CEMENT	25		sk		7.82	195.50
PLUGGING CEMENT LOADED ON TRUCK #4142/5621-BACK											
500-207		1			SERVICE CHARGE			CUBIC FEET	246	1.35	332.10
500-306		1			MILEAGE CHARGE			TOTAL WEIGHT	21,674		
					LOADED MILES	30		TON MILES	325.11	.95	308.85

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KANSAS COMMISSION
AUG 03 1995
CONSERVATION DIVISION
WICHITA, KS

No. B 246143

CONTINUATION TOTAL	3627.35
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JOB SUMMARY

HALLIBURTON DIVISION

Mid Continent

HALLIBURTON LOCATION

Perry, Kansas

BILLED ON TICKET NO.

741377

WELL DATA

FIELD _____ SEC. 17 TWP. 34S RNG. 7W COUNTY Harper STATE Kansas

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 _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	K#	5 1/2"	KB	S135	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS			ORIGINAL			
PERFORATIONS			ORIGINAL			
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
SHOE <u>Furukawa Packers 5 1/2</u>	<u>1</u>	
GUIDE SHOE		
CENTRALIZERS <u>5-4 5 1/2</u>	<u>7</u>	
BOTTOM PLUG		
TOP PLUG <u>latch down 5 1/2</u>	<u>1</u>	
HEAD <u>P.C. 5 1/2</u>	<u>1</u>	
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10-10-94</u>	DATE <u>10-10-94</u>	DATE <u>10-10-94</u>	DATE <u>10-11-94</u>
TIME <u>11:00</u>	TIME <u>17:00</u>	TIME <u>20:00</u>	TIME <u>05:00</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Kuett Dabit #816160</u>	<u>41278</u>	<u>Perry, KS</u>
<u>Doug Bogle #C16810</u>	<u>50120</u>	<u>"</u>
<u>Conrad Baker C9447</u>	<u>4142/5621</u>	<u>"</u>
		<u>"</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. _____ % CONSERVATION DIVISION
 ACID TYPE _____ GAL. _____ % WICHITA, KS
 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. _____ IN
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

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KANSAS CORPORATION

AUG 03 1995

CONSERVATION DIVISION

WICHITA, KS

DEPARTMENT Cement
 DESCRIPTION OF JOB 5 1/2 longstring
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE X
 HALLIBURTON OPERATOR Kuett Dabit COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>25</u>	<u>Standard</u>	<u>Hansa</u>	<u>B</u>	<u>None for Raffle & down hole</u>	<u>1.18</u>	<u>15.16</u>
	<u>175</u>	<u>EA-2</u>	<u>"</u>	<u>"</u>	<u>1% Gel, 10% Salt, 0.1% Colloid-322, 3% Gel Seal, 5% Gilsonts</u>	<u>1.46</u>	<u>15.0</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 32.80' REASON Latch Down Raffle

SUMMARY

PRESLUSH BBL GAL. 12 TYPE Mid Flush
 LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
 TREATMENT: BBL-GAL. _____ DISP. BBL GAL. 124.2
 CEMENT SLURRY BBL GAL. 45.5
 TOTAL VOLUME BBL GAL. 118.8 BBL
 REMARKS _____

CUSTOMER Phillips Exploration
 LEASE Harper
 WELL NO. A 17-1
 JOB TYPE 5 1/2 longstring
 DATE 10-10-94



JOB LOG HAL-2013-C

DATE 10-10-94 PAGE NO. 1

CUSTOMER Ph. L. P. S. Ex. Pbr. Co WELL NO. 17-1 LEASE Harmon JOB TYPE 5 1/2 Longstring TICKET NO. 741377

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	11:00							Called Out
	17:00							on location Rig Laying Down Drill Pipe
	18:00							Drill Pipe Out of Hole
	20:00							Start 5 1/2 Csg w/ Float Equipment
	22:45							Casing on Bottom
	22:45							Hook up to Circulate
	23:00							Circulating
1	01:00							Drop Ball to Set Packer shoe
2	01:15	2				100		Start Mud Flush to Set Packer shoe
3	01:18	2	6 BBL					Shut Down & let Ball Fall
4	01:30	2				100		Pump mud flush
5	01:32	2	4 BBL					Shut Down & let Ball Fall
6	01:45	2				100		Pump Rest of Mud Flush
7	01:47	2	2 BBL					Shut Down
8	02:15	2				100		Pump Fresh Wtr.
9	02:18	2	6 BBL					Shut Down
10	02:28	2				100		Pump Fresh Wtr.
11	02:30	2	4 BBL					Shut Down
	02:35							Hook up to Rig Pump & Pump Capacity of Csg w/ mud
	02:50							Never Seen Packer Shoe Set
	02:50							Hook up to Cement
12	02:55	6	10 BBL			300		pump 10 BBL Wtr.
13	03:05		3 BBL					Plug Bottom
14	03:10		2 BBL					Plug Mouse Hole
15	03:15					300		Start Mixing longstring Cement
16	03:23		45 BBL					Cement Mix, Close Valve, Washout Pump Lines Release Plug, Open Top Valve
17	03:25	10						Start Displacement
18	03:37		90 BBL			500		Lifting Cement
19	03:40	2	34 BBL			1250		Plug Down
20								Release Plug Plug Held Job Complete

10-12-94 Note: Had full returns during job and annulus stayed full when shut down. Had trouble running casing and when started circulating it took 1,200 psi to break circulation. Casey & crew felt the packer shoe probably set at that time. Nam.

Thank you
Kurt Daboll