

ORIGINAL

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

Operator: License # 9953

Name: Harris Oil and Gas Company

Address 1125 17th Street

Suite 2290

City/State/Zip Denver, CO 80202

Purchaser: N/A

Operator Contact Person: Bud Harris

Phone (303) 293-8838

Contractor: Name: Allen Drilling Company

License: 5418

Wellsite Geologist: D. Sommer

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: N/A

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. _____

3/24/96 4/8/96 6/13/96
Spud Date Date Reached TD Completion Date

API NO. 15- 175-215230000

County Seward

660 - SW - SW Sec. 4 Twp. 33 Rge. 31 X W

660 Feet from S/N (circle one) Line of Section

660 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 Bloom Well # 1-4

Field Name Wildcat

Producing Formation Chase

Elevation: Ground 2772' KB 2786'

Total Depth 6100' PBTD 2824'

Amount of Surface Pipe Set and Cemented at 1635' 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 cmt.

Drilling Fluid Management Plan Act 1 DPO
(Data must be collected from the Reserve Pit) 12-3-94

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite:
RELEASED

Operator Name _____

Lease Name DEC 3 1996 License No. _____

Quarter Sec. FROM CONFIDENTIAL S/Rng E/W

County _____ Docket No. _____

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 W.G. Harris

Title President Date 10/31/96

Subscribed and sworn to before me this 31st day of October 19 96

Notary Public Paul Adams

Date Commission Expires March 17, 2000

K.C.C. OFFICE USE ONLY 11-14-86
F Deny Letter of Confidentiality Attached
C ✓ Wireline Log Received
C ✓ Geologist Report Received
Distribution
✓ KCC _____ SWD/Rep _____ NGPA
KGS _____ Plug _____ Other
(Specify)

RECEIVED
KANSAS CORPORATION COMMISSION

NOV 13 1996

ORIGINAL

SIDE TWO

Operator Name Harris Oil and Gas Company Lease Name Bloom Well # 1-4

Sec. 4 Twp. 33 Rge. 31 East West County Seward

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Winfield	2708'	+79
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Council Grove	2946'	-159
List All E.Logs Run:		Heebner	4260'	-1473
DILL, CNL-FDC, MICRO		Lansing	4408'	-1621
By: Schlumberger		Marmaton	5036'	-2249
		Morrow	5556'	-2769
		Chester	5658'	-2871
		Ste. Genevieve	5827'	-3040
		St. Louis	5977'	-3190

CASING RECORD <input 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#	1635	Class "C"	550	35/65 Poz 6% gel 2% cc, 1/4# Flocele
						100	2% cc
Production	7 7/8"	4 1/2"	10.5#	2824	Class "H"	140	5% KCl, 6/10% Halad

322

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 checked="" type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	3380	Premium	100	N/A

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
4spf	2592 - 2597, 2628 - 2635	1000 gal 15% Fe	
	retreat same:	6000 gal 15% Fe and 67q N ₂	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8	2592	2597		
Date of First, Resumed Production, SWD or Inj.			Producing Method			
6/13/96			<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
	N/A		40	10	N/A	N/A

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: 2592-97'; 2628-35'

JOB LOG HAL-2013-C

CUSTOMER HARRIS OIL & GAS WELL NO. 1-4 LEASE Bloom JOB TYPE PLUG BACK / 4 1/2 L.S. TICKET NO. 921393

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2200							JOB READY ORIGINAL
	1800							CALLED OUT FOR JOB
	2100							PUMP TRUCK ON LOCATION - RIG ON BOTTOM 6100' WITH DRILL PIPE CIRCULATING
	2130							START LAYING DOWN DRILL PIPE - SET UP PUMP TRUCK.
	0544							RELEASED
	0045							DRILL PIPE LAYED DOWN TO 3379'
	0165							HOOK UP KELLY / START CIRCULATING THROUGH CIRCULATING.
								HOOK UP TO PUMP TRUCK - ROTATE D.P. JOB PROCEDURE PLUG BACK
	0122	4.0	10.0	✓			← 275/250	pump 10 BALS FRESH WATER AHEAD
	0127	4.0	21.6	✓			← 250/100	MIX 100 SKS CEMENT AT 15.6 LB/GAL
	0132	3.5	3.5	✓			←	pump 3.5 BALS WATER BEHIND
	0134	8.0	38.0	✓			← 100	DISPLACE WITH 39 BALS MUD
	0138						0'	SHUT DOWN - KICK LOSS
	0140							PULL 6 STDS + 1 SINGLE 403'
	0150							HOOK UP KELLY, CIRCULATE HOLD AT 2976'
	0815							START LAYING DOWN D.P.
	0930							START RUNNING 4 1/2" CSC + FLT EQUIP CASING ON BOTTOM 2885' - HOOK UP 4 1/2" P/C + CIRCULATING IRON
	0935							START CIRCULATING WITH RIG PUMP HOLD SAFETY MEETING THROUGH CIRCULATING - HOOK UP TO PUMP TRUCK JOB PROCEDURE
								RECEIVED KANSAS CORPORATION COMMISSION NOV 13 1996 CONSERVATION DIVISION WICHITA, KS
	0957		6.0	✓			0/250	pump 250 GAL MUD RUSH
	0959		6.0	✓			250/200	pump 250 GAL PLUS 5 SPACER
	1002		6.0	✓				pump 250 GAL MUD RUSH
	1005		29.5	✓				MIX 140 SKS CEMENT AT 15.6 LB/GAL THROUGH MIXING CEMENT - SHUT DOWN
	1009							WASH OUT PUMP LINES - RELEASE PLUG
	1010							START DISPLACING
	1012		6.0	✓			50/100	MIX LIFT PRESSURE BEFORE CIRCULATING PLUG
	1020		46.5				350/1500	PLUG DOWN - RELEASE FLOAT FLOAT HELD - HAD GOOD MUD CIRC

THANK YOU, CALL AGAIN
WOODY & DANNY

DOWELL

A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION

P.O. BOX 4378 HOUSTON, TEXAS 77210

CUSTOMER

OILFIELD SERVICES

Dowell Service Order Receipt & Invoice No. 8240	Dowell Service Location Name and Number 03-12 ULYSSES
CUSTOMER'S NAME Harris oil 1695	ORIGINAL
ADDRESS	
CITY, STATE AND ZIP CODE	

SEE OTHER SIDE FOR TERMS & CONDITIONS.

ARRIVE LOCATION	MO.	DAY	YR.	TIME
	3	26	96	204

SERVICE ORDER I authorize work to begin per service instructions in accordance with terms and conditions printed on the reverse side of this form and/or attached to this form and represent that I have authority to accept and sign this order.

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE
Roger Pearson

JOB COMPLETION	MO.	DAY	YR.	TIME
	3	27	96	020

SERVICE RECEIPT I certify that the materials and services listed were received and all service performed in a workmanlike manner.

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE
Roger Pearson

Dowell will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS in accordance with the general terms and conditions as printed on the reverse side of this service order and/or attached to this service order. This service order is subject to alternative dispute resolution.

Safety cont 85% as per customer instructions

CUSTOMER NUMBER	CUSTOMER PO/CONTRACT NUMBER	TYPE SERVICE CODE 271	WORKOVER NEW WELL OTHER	SAFE NUMBER <input type="checkbox"/> W <input checked="" type="checkbox"/> N <input type="checkbox"/> O
STATE KS.	CODE 15	COUNTY/PARISH SEWARD	CODE 175	CITY
WELL NAME AND NUMBER/JOB SITE Bloom 1-4		LOCATION NAME AND NUMBER/OFFSHORE PLATFORM SEC. 4-335-31W		
ACCOUNTING CODES			ROUND TRIP MILEAGE 122	

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
102871-020	PUMP	EQ.	1	1310 ⁰⁰	1310 ⁰⁰
049102-000	REL. CHG.	T.M.I.	628	1 ⁰⁵	659 ⁴⁰
049102-000	S.R.V. CHG.	CHIFT	728	1 ⁴³	1041 ⁰⁴
059697-000	PACK	EQ.	1	167 ⁰⁰	167 ⁰⁰
059200-002	MIL.	M.I.	20	2 ⁹⁵	59 ⁰⁰
040003-000	C.C.M.T.	SK.	460	10 ⁴²	4793 ²⁰
101545-002	POZ	SK.	194	4 ³⁹	851 ⁶⁶
045014-050	GEL	L.B.	3030	.17	515 ¹⁰
057005-100	CGLL2	L.B.	1163	.44	511 ⁷²
044003-025	CCL. FLK.	L.B.	138	1 ⁷⁷	244 ²⁶
048601-000	C.M.T. HEAD	EQ.	1	70 ⁰⁰	70 ⁰⁰
056702-085	TOP PLUG	EQ.	1	109 ⁰⁰	109 ⁰⁰
050101-085	C.M.T. HOSE GUIDE SHOE	EQ.	1	280 ⁰⁰	280 ⁰⁰
053003-085	AUTO FILL PLUG INSERT	EQ.	1	360 ⁰⁰	360 ⁰⁰
056011-085	CENTRALIZER	EQ.	3	82 ⁰⁰	246 ⁰⁰
050499-085	THREAD LOCK KIT	EQ.	1	28 ⁰⁰	28 ⁰⁰
050001-085	TEXAS PAT GUIDE SHOE	EQ.	1	2500 ⁰⁰	2500 ⁰⁰

RELEASED
DEC 3 1996
FROM CONFIDENTIAL
ORDER
RECEIPT

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KANSAS CORPORATION COMMISSION

FIELD EST. # **11145 38** LESS DISC. # **7133 04** SUB TOTAL

NOV 13 1996

LICENSE/REIMBURSEMENT FEE	CONSERVATION DIVISION WICHITA, KS
LICENSE/REIMBURSEMENT FEE	
REMARKS:	STATE % TAX ON \$
	COUNTY % TAX ON \$
	CITY % TAX ON \$
SIGNATURE OF DOWELL REPRESENTATIVE <i>Roger Pearson</i>	TOTAL \$

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

2240

DATE

3-26-96

DS-486-A PRINTED IN U.S.A.

STAGE

DS

DISTRICT

03

12

WELL NAME AND NO. <i>22M 1-4</i>		LOCATION (LEGAL) <i>Spc. 4-335-21W</i>		RIG NAME: <i>02225</i>	
FIELD-POOL <i>H. EATOR</i>		FORMATION <i>S41F.</i>		WELL DATA:	
COUNTY/PARISH <i>Seward</i>		STATE <i>KS</i>		API. NO.	
NAME <i>HARRIS OIL & GAS</i>		ADDRESS		ZIP CODE	
SPECIAL INSTRUCTIONS <i>Apply emt 830 as per customer instructions</i>		IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO		LIFT PRESSURE <i>670</i> PSI	
PRESSURE LIMIT <i>2000</i> PSI		BUMP PLUG TO <i>1030</i> PSI		ROTATE RPM <input type="checkbox"/> RECIPROCATATE <input type="checkbox"/> FT No. of Centralizers <i>3</i>	

BIT SIZE <i>12 1/4</i>	CSG/Liner Size <i>8 3/4</i>	BOTTOM	TOP
TOTAL DEPTH	WEIGHT	<i>24</i>	
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE	<i>1636</i>	ORIGINAL
MUD TYPE	GRADE		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD	<i>8RD</i>	
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)	<i>15.91</i>	TOTAL
MUD VISC.	Disp. Capacity	<i>101.3</i>	

Float	TYPE	<i>auto fill Ins.</i>	TYPE
DEPTH		<i>1589</i>	DEPTH
SHOE	TYPE	<i>Texas Pattern</i>	TYPE
DEPTH		<i>1634</i>	DEPTH

Head & Plugs	<input type="checkbox"/> TBG <input type="checkbox"/> D.P.	SQUEEZE JOB	
<input type="checkbox"/> Double	SIZE	TOOL	TYPE
<input type="checkbox"/> Single	WEIGHT	DEPTH	
<input type="checkbox"/> Swage	GRADE	TAIL PIPE: SIZE	DEPTH
<input type="checkbox"/> Knockoff	THREAD	TUBING VOLUME	Bbl
TOP <input type="checkbox"/> OR <input type="checkbox"/> W	<input type="checkbox"/> NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL	Bbl
BOT <input type="checkbox"/> OR <input type="checkbox"/> W	DEPTH	TOTAL	Bbl
		ANNUAL VOLUME	Bbl

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
00:33		<i>2200</i>									
00:37		<i>130</i>	<i>10</i>	<i>X</i>	<i>5.6</i>	<i>11</i>	<i>11</i>				
00:39		<i>190</i>	<i>210</i>	<i>10</i>	<i>11</i>	<i>CMT</i>	<i>12.2</i>				
01:16		<i>130</i>	<i>26</i>	<i>220</i>	<i>11</i>	<i>CMT</i>	<i>14.8</i>				
01:21				<i>246</i>							
01:23		<i>150</i>			<i>6.</i>	<i>H2O</i>	<i>9.3</i>				
01:36		<i>320</i>		<i>71</i>	<i>6</i>	<i>11</i>	<i>11</i>				
01:39		<i>440</i>		<i>93</i>	<i>6</i>	<i>11</i>	<i>11</i>				
01:40		<i>350</i>		<i>95</i>	<i>2</i>	<i>11</i>	<i>11</i>				
01:45		<i>1030</i>		<i>103</i>	<i>2</i>	<i>11</i>	<i>11</i>				
01:53											

PRE-JOB SAFETY MEETING

RELEASED

DEC 3 1996

FROM CONFIDENTIAL

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KANSAS CORPORATION COMMISSION

NOV 13 1996

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED		
			1	2	3	4	BBLs	DENSITY	
1.	<i>550</i>	<i>2.15</i>	<i>75</i>	<i>6%</i>	<i>220</i>	<i>2%</i>	<i>5-1 + 4%</i>	<i>210</i>	<i>12.2</i>
2.									
3.	<i>100</i>	<i>1.34</i>	<i>C1</i>	<i>2%</i>	<i>S-1</i>			<i>26</i>	<i>14.8</i>
4.									
5.									
6.									

BREAKDOWN FLUID TYPE		VOLUME		DENSITY	PRESSURE	MAX. <i>1030</i>	MIN. <i>130</i>
<input type="checkbox"/> HESITATION SQ.		<input type="checkbox"/> RUNNING SQ.		CIRCULATION LOST	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Cement Circulated To Surf. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
BREAKDOWN		PSI	FINAL	PSI	DISPLACEMENT VOL.	<i>103</i>	Bbls
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO		TO		FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE	TYPE OF WELL <input checked="" type="checkbox"/> OIL <input type="checkbox"/> GAS
PERFORMANCES		TO		TO		CUSTOMER REPRESENTATIVE	
						DS SUPERVISOR	
				<i>Robert Pearson</i>		<i>Ref Pearson</i>	

CONSERVATION DIVISION
WICHITA, KS