

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

CONFIDENTIAL

Operator: License # 9953

Name: Harris Oil and Gas Company

Address 1125 Seventeenth Street
Suite 2290

City/State/Zip Denver, CO 80202

Purchaser: N/A

Operator Contact Person: Doug Hoisington

Phone (303) 293-8838

Contractor: Name: Cheyenne Drilling, Inc.

License: 5382

Wellsite Geologist: Curtis Covey

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SLOW Temp. sd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cat., etc.)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

11/4/2000 11/11/2000 11/12/2000
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21620-0000 **ORIGINAL**

County Morton

C - NE - NE Sec. 30 Twp. 33S Rge. 42 X ^E _W

660 Feet from S (circle one) Line of Section

660 Feet from E (circle one) Line of Section

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

Lease Name Witcher Well # 1-30

Field Name East Winter

Producing Formation N/A

Elevation: Ground 3555' KB 3566'

Total Depth 5185' PBTB 5185'

Amount of Surface Pipe Set and Cemented at 1367 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set N/A Feet

If Alternate II completion, cement circulated from N/A

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan DVA 4/6/01 JB
Data must be collected from the Reserve Pit)

Chloride content 1100 ppm Fluid volume 1000 bbls

Dewatering method used Air Evaporation

Location of fluid disposal if hauled offsite:
N/A

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

RELEASED
NOV 27 2000
FROM CONFIDENTIAL
RECEIVED
STATE CORPORATION COMMISSION

NOV 30 2000
KANSAS DIVISION
WICHITA, KANSAS

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 Doug Hoisington

Title Operations Manager Date 11/27/00

Subscribed and sworn to before me this 27th day of November, 2000

Notary Public Jammy L. Herman

Date Commission Expires March 31, 2001

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 Harris Oil and Gas Company Lease Name Witcher Well # 1-30

Sec. 30 Twp. 33S Rge. 42 East West
 County Morton

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:
 CNLD/GR
 AI/RXO/GR
 ML

Name	Top	Datum
Heebner	3217'	+349
Lansing	3474'	+ 92
Marmaton	3825'	-259
Cherokee	4078'	-512
Morrow	4392'	-826
St. Gen	4940'	-1374
St. Louis	5091'	-1525

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 1/4"	8 5/8"	23#	1367'	Lite/Class C	450/125	2% CaCl & 1/4# Flocele

ADDITIONAL CEMENTING/SQUEEZE RECORD <u>N/A</u>				
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	
	N/A			

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.		Producing Method <input 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

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) Dry and Abandoned

Production Interval: _____

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ORIGINAL

Schlumberger

Service Order

12-Nov-00 KCC

NOV 27 2000

CONFIDENTIAL

Customer HARRIS OIL & GAS COMPANY		Person Taking Call Trenton Mitchell		Dowell Location Ulysses, KS		Order Date 11/10/00		Job Number 20187001	
Well Name and Number WITCHER 1-30		Legal Location sec 30-33S-42W		Field Hogoton		County Morton		State/Province Kansas	
Rtg Name		Well Age New		Sales Engineer Trenton Mitchell		Job Type Plug & Abandon			
Time Well Ready: 11/12/00 1:00 PM		Deviation 0		Bit Size 0 in		Well MD 0 ft		Well TVD 0 ft	
BHP 0 psi		BHST 0 °F		BHCT 0 °F					
Treat Down Casing		Packer Type		Packer Depth 0 ft		Wellhead Connection		HMP on Location 0	
Max Allowed Pressure 0		Max Allowed Ann Pressure 0							
Casing					Services Instructions: Safely plug well to abandon as per customer's request RELEASED Extra Equipment: NOV 27 2001 Both drill pins for 4 1/2 drill pipe FROM CONFIDENTIAL				
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread					
0	0	0							
0	0	0							
Tubing									
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread					
0	0	0							
0	0	0							
Perforated Intervals									
Top, ft	Bottom, ft	spf	No. of Shots	Total Interval					
0	0	0	0	0 ft					
0	0	0	0	Diameter					
0	0	0	0	0 in					

Contact	Voice	Mobile	FAX	Notes
Harold Frauli	316-624-8388	316-629-0064		

Notes:

Directions:
JCT 27 & 51(campo co. turn)-1N-1 1/4W-S into

Other Notes:

Customer: **HARRIS OIL & GAS COMPANY** Job Number: **20187001** 11/27/2001

Well: WITCHER 1-30		Location (legal): sec 30-33S-42W		Dewell Location: Ulysses, KS		Job Start: 11/27/2001		
Field: Hogoton		Formation Name/Type:		Deviation: 0°	Bit Size: 0 in	Well MD: 0 ft	Well TVD: 0 ft	
County: Morton		State/Province: Kansas		BHP: 0 psi	BHST: 0°F	BHCT: 0°F	Pore Press. Gradient: 0 psi/ft	
Rig Name:	Drilled For: Oil & Gas	Service Via:		Casing/Liner				
Offshore Zone:	Well Class: New	Well Type: Development		Depth, ft:	Size, in:	Weight, lb/ft:	Grade:	
Drilling Fluid Type: Bentonite		Max. Density: 9.4 lb/gal	Plastic Viscosity: 35 cp	Tubing/Drill Pipe				
Service Line: Cementing		Job Type: Plug & Abandon		Depth, ft:	Size, in:	Weight, lb/ft:	Grade:	
Max. Allowed Tubing Pressure: 0 psi	Max. Allowed Ann. Pressure: 0 psi	Wellhead Connection: 4 1/2" XH DP pin		Perforations/Open Hole				
Service Instructions: RELEASED Safely plug well to abandon as per customer's request NOV 27 2001 FROM CONFIDENTIAL				Top, ft:	Bottom, ft:	spf:	No. of Shots:	Total Interval:
				0	0	0	0	0 ft
				0	0	0	0	Diameter:
				0	0	0	0	0 in
				Treat Down Drill Pipe:	Displacement: 12 bbl	Packer Type:	Packer Depth:	0 ft
Tubing Vol.: 15 bbl	Casing Vol.: 0 bbl	Annular Vol.: 0 bbl	Open Hole Vol.: 0 bbl					
Casing/Tubing Secured <input type="checkbox"/> 1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>				Casing Tools		Squeeze Job		
Lift Pressure: 0 psi				Shoe Type:		Squeeze Type:		
Pipe Rotated <input type="checkbox"/> Pipe Reciprocated <input type="checkbox"/>				Shoe Depth: 0 ft		Tool Type:		
No. Centralizers: 0 Top Plugs: 0 Bottom Plugs: 0				Stage Tool Type:		Tool Depth: 0 ft		
Cement Head Type:				Stage Tool Depth: 0 ft		Tail Pipe Size: 0 in		
Job Scheduled For: 11/12/00 13:00		Arrived on Location: 11/12/00 13:00		Leave Location: 11/12/00 22:00		Collar Type:		
						Collar Depth: ft		

Time	CumVol	Density	Pressure	Temp/Flowrate	Temp	Temp	Temp	Message
24 hr clock	bbbl	ppg	psi	bpm	bbbl			
19:29	0	0	0	0	0	0	0	START ACQUISITION
19:29	0.	-6.25	-3823	0.	0.	0	0	
19:30	0.	-6.25	-3823	0.	0.	0	0	Start Pumping Water
19:30	1.93	8.27	178.6	3.91	1.93	0	0	
19:31	5.85	8.36	132.8	3.89	5.85	0	0	
19:32	9.78	9.08	155.7	3.91	9.78	0	0	
19:32	9.78	9.08	155.7	3.91	9.78	0	0	Reset Volume
19:32	9.78	9.08	155.7	3.91	9.78	0	0	[CumVol]=9.98 bbl
19:32	9.78	9.08	155.7	3.91	9.78	0	0	Start Cement Slurry
19:33	3.67	12.73	151.1	3.89	13.72	0	0	
19:34	7.6	13.4	114.5	3.91	17.65	0	0	
19:35	11.53	13.37	109.9	3.91	21.57	0	0	
19:36	11.53	13.37	109.9	3.91	21.57	0	0	[CumVol]=13.69 bbl
19:36	11.53	13.37	109.9	3.91	21.57	0	0	Reset Volume
19:36	11.53	13.37	109.9	3.91	21.57	0	0	Start Pumping Water
19:36	1.71	9.61	68.68	3.91	25.51	0	0	
19:37	1.71	9.61	68.68	3.91	25.51	0	0	[CumVol]=3.683 bbl
19:37	1.71	9.61	68.68	3.91	25.51	0	0	Reset Volume
19:37	1.71	9.61	68.68	3.91	25.51	0	0	Start Pumping Mud
19:37	1.9	8.41	201.5	3.94	29.45	0	0	
19:38	5.83	8.12	192.3	3.91	33.38	0	0	
19:39	9.76	7.91	146.5	3.89	37.31	0	0	

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ORIGINAL

Well			Field			Service Date		Customer		Job Number
WITCHER #1-30			Hogoton					HARRIS OIL & GAS COMPA		20187001
Time	CumVol	Density	Pressure	TotalFlowrate	TotalVol			Message		
24 hr clock	bbbl	ppg	psi	bpm	bbbl					
19:40	9.76	7.91	146.5	3.89	37.31	0	0	Shutdown		
19:40	12.22	8.55	9.16	0.	39.77	0	0			
19:41	12.22	8.55	9.16	0.	39.77	0	0	PAUSE ACQUISITION		
20:10	12.22	8.76	32.05	0.	39.77	0	0	RESTART AFTER PAUSE		
20:10	12.22	8.76	32.05	0.	39.77	0	0	Start Pumping Water		
20:10	12.22	8.76	32.05	0.	39.77	0	0	Reset Volume		
20:10	12.22	8.76	32.05	0.	39.77	0	0	[CumVol]=13.17 bbl		
20:11	1.83	8.33	123.6	3.89	42.62	0	0			
20:12	5.75	8.3	105.3	3.91	46.54	0	0			
20:13	9.67	8.27	96.15	3.91	50.46	0	0			
20:14	13.59	8.34	105.3	3.91	54.38	0	0			
20:15	17.51	8.36	96.15	3.89	58.3	0	0			
20:15	17.51	8.36	96.15	3.89	58.3	0	0	Reset Volume		
20:15	17.51	8.36	96.15	3.89	58.3	0	0	[CumVol]=19.48 bbl		
20:15	17.51	8.36	96.15	3.89	58.3	0	0	Start Cement Slurry		
20:16	1.89	13.72	96.15	3.91	62.22	0	0			
20:17	5.81	13.64	100.7	3.91	66.14	0	0			
20:17	5.81	13.64	100.7	3.91	66.14	0	0	Reset Volume		
20:17	5.81	13.64	100.7	3.91	66.14	0	0	[CumVol]=8.165 bbl		
20:17	5.81	13.64	100.7	3.91	66.14	0	0	Start Pumping Water		
20:18	1.5	9.8	54.95	3.91	70.06	0	0			
20:19	5.42	8.55	54.95	3.91	73.98	0	0			
20:19	5.42	8.55	54.95	3.91	73.98	0	0	Shutdown		
20:19	5.42	8.55	54.95	3.91	73.98	0	0	Reset Volume		
20:19	5.42	8.55	54.95	3.91	73.98	0	0	[CumVol]=6.181 bbl		
20:19	5.42	8.55	54.95	3.91	73.98	0	0	PAUSE ACQUISITION		
20:43	5.42	8.55	54.95	3.91	73.98	0	0	RESTART AFTER PAUSE		
20:43	0.	8.33	9.16	0.	74.74	0	0			
20:44	0.	13.36	-4.58	0.	74.74	0	0			
20:45	0.	13.36	-4.58	0.	74.74	0	0	Start Cement Slurry		
20:45	1.39	13.52	0.	1.99	76.13	0	0			
20:46	3.61	13.52	54.95	1.17	78.35	0	0			
20:46	3.61	13.52	54.95	1.17	78.35	0	0	Shutdown		
20:47	3.62	13.51	9.16	0.	78.36	0	0			
20:48	3.62	13.5	0.	0.	78.36	0	0			
20:49	3.62	13.49	-4.58	0.	78.36	0	0			
20:50	3.62	13.49	0.	0.	78.36	0	0			
20:51	3.62	13.49	-4.58	0.	78.36	0	0			
20:52	5.46	13.62	64.1	2.46	80.2	0	0			
20:53	7.91	14.24	18.32	2.46	82.65	0	0			
20:54	9.36	13.89	77.84	3.1	84.1	0	0			
20:55	9.91	13.89	-4.58	0.	84.66	0	0			
20:56	9.91	13.89	0.	0.	84.66	0	0			
20:57	10.68	13.72	41.21	2.46	85.42	0	0			
20:58	13.17	13.03	41.21	2.46	87.91	0	0			
20:59	14.32	12.81	18.32	0.	89.06	0	0			
20:59	14.32	12.81	18.32	0.	89.06	0	0	End Job		

KCO

2000

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RECEIVED

NOV 2 / 2001

FROM CONFIDENTIAL

ORIGINAL

Well WITCHER #1-30		Field Hogoton		Service Date		Customer HARRIS OIL & GAS COMPA		Job Number 20187001	
Time 24 hr clock	CumVol bbl	Density ppg	Pressure psi	TotFlowrate bpm	TotVol bbl	Message			
Post Job Summary									
Average Pump Rates, bpm				Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
4	0	0	4	31	12	30	0		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
300	0	150	0	0		0 bbl	0 lb/gal		
Avg. N2 Percent	Designated Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume 0 bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft					
0 %	31 bbl	10 bbl	60 °F						
Customer or Authorized Representative Harold Frauli			Dowell Supervisor Jeffrey Dutton			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed			

KCC

NOV 27 2000

CONFIDENTIAL

RELEASED

NOV 27 2001

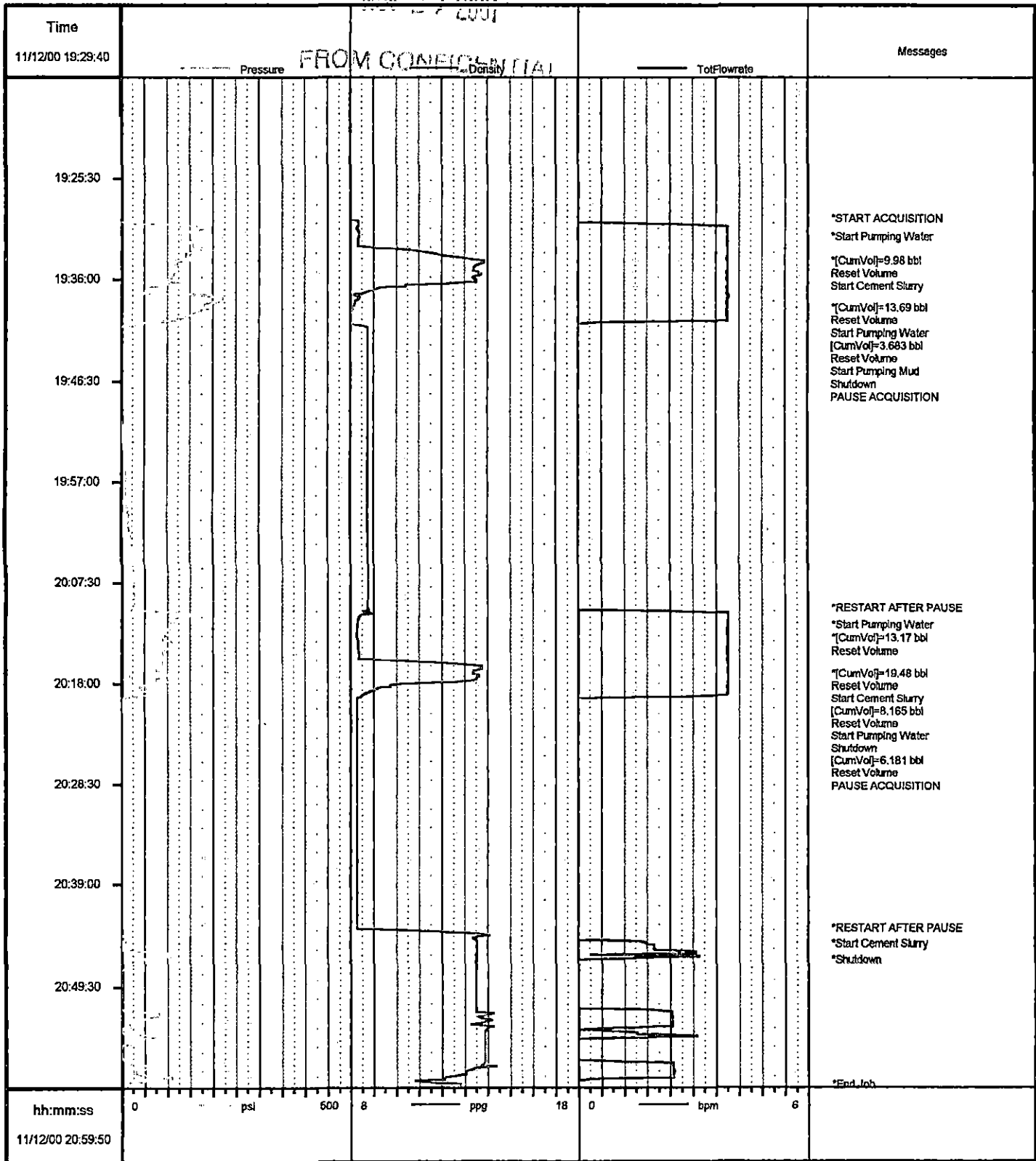
FROM CONFIDENTIAL

Well Witcher 1-30
 Field Hugoton
 Country USA

Client Harris Oil & Gas Company
 SIR No. 20187001
 Job Date 11/12/2000 7:29:40 PM

NOV 27 2000
 CONFIDENTIAL

NOV 27 2000



Job: hog87001
 11/12/2000 21:01:56

CONFIDENTIAL

Schlumberger

Service Order

ORIGINAL

03-Nov-00 KCC
NOV 27 2000

CONFIDENTIAL

Customer HARRIS OIL & GAS COMPANY		Person Taking Call Charley King		Dowell Location Ulysses, KS		OrderDate 10/21/00		Job Number 20185880	
Well Name and Number WITCHER 1-30			Legal Location sec 30-33S-42W		Field Hogoton		County Morton		State/Province Kansas
Rig Name CHEYENNE Rig 5		Well Age New	Sales Engineer Trenton Mitchell			Job Type Cem Surface Casing			
Time Well Ready:	Deviation 0	Bit Size 0 in	Well MD 1,350 ft	Well TVD 1,350 ft	BHP 0 psi	BHST 85 °F	BHCT 80 °F		
Treat Down Casing	Packer Type	Packer Depth 0 ft	WellHead Connection 8 5/8 Casing	HHP on Location 0	Max Allowed Pressure 0		Max Allowed Ann Pressure 0		
Casing					Services Instructions: Safely cement 8 5/8 surface casing as per customer's request				
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread					
1350	8.63	24							
0	0	0							
Tubing					Extra Equipment: Guide Shoe 4 centralizers autofill insert top plug thread lock				
Depth,	Size, in	Weight, lb/ft	Grade	Thread					
0	0	0							
0	0	0							
Perforated Intervals					<p>RELEASED</p> <p>NOV 27 2001</p> <p>FROM CONFIDENTIAL</p>				
Top, ft	Bottom, ft	spf	No. of Shots	Total Interval					
0	0	0	0	0 ft					
0	0	0	0	Diameter					
0	0	0	0	0 in					

Contact	Voice	Mobile	FAX	Notes
Harold Frauli	316-624-8388	316-629-0064		

Notes:
8 5/8 Head, Swedge and manifold

Directions:
JCT 27 & 51 (Campo turn off)-1N - 1 1/4 W - S into

Other Notes:

Comments:

Fluid Systems:

Lead		
450 sks 35/65 Poz/C + 6 % BWOB D020 + 0.25 lbs/sk D130 + 2 % BWOB S001		
Density:	12.3 lb/gal	Thickening Time:
Yield:	2.1 ft ³ /sk	Viscosity: cp
H2O Mix:	11.66 gal/sk	Break Time:
H2O:	5247 gal	Eq. Sack Weight: 88.75 lb
Dowell Code	Concl/ Amount	Total Quantity
S001	2 % BWOB	798.75
D130	0.25 lbs/sk	112.5
D020	6 % BWOB	2396.25
D132	27.65 lbs/sk	12442.5
D903	61.1 lbs/sk	27495

168.2

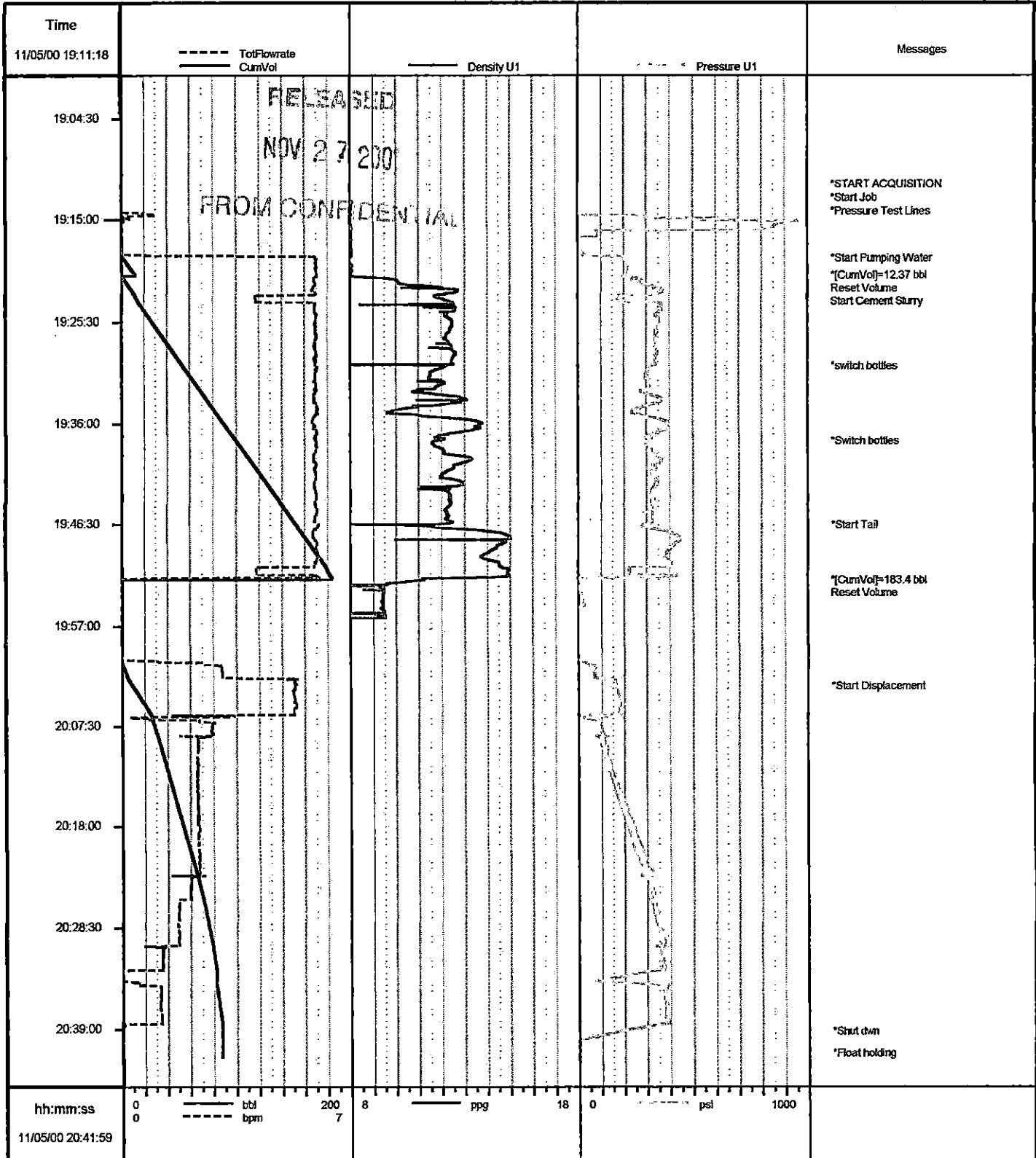
REC'D NOV 09 2000

Tail		
125 sks Class C + 2 % BWOB S001 + 0.25 lbs/sk D130		
Density:	14.8 lb/gal	Thickening Time:
Yield:	1.34 ft ³ /sk	Viscosity: cp
H2O Mix:	6.36 gal/sk	Break Time:
H2O:	795 gal	Eq. Sack Weight: 94 lb
Dowell Code	Concl/ Amount	Total Quantity
D130	0.25 lbs/sk	31.25
S001	2 % BWOB	235
d903	94 lbs/sk	11750

↔ 29.8

Circ est 5746

Well	WITCHER 1-30	Client	Harris Oil and Gas	NOV 27 2000
Field	Hogoton	SIR No.	20185880	
Country	USA	Job Date	11/5/2000 7:11:18 PM	CONFIDENTIAL



Job: harrisol
11/05/2000 20:44:25

* Mark of Schlumberger

CONFIDENTIAL

Schlumberger

Cementing Service Report

ORIGINAL KCC

NOV 27 2000

Customer HARRIS OIL & GAS COMPANY				Job Number 20185860			
Well WITCHER 1-30		Location (legal) sec 30-33S-42W		Dowell Location Ulysses, KS		Job Start 11/5/00	
Field Hogoton		Formation Name/Type		Deviation 0 °	Bit Size 12.3 in	Well MD 1,415 ft	Well TVD 1,415 ft
County Morton		State/Province Kansas		BHP 0 psi	BHST 85 °F	BHCT 80 °F	Pore Press. Gradient 0 psi/ft
Rig Name CHEYENNE Rig 5	Drilled For Oil & Gas	Service Via Land		Casing/Liner			
Offshore Zone None	Well Class New	Well Type Development		Depth, ft 1355	Size, in 8.63	Weight, lb/ft 24	Grade
Drilling Fluid Type Spud Mud	Max. Density 8.9 lb/gal	Plastic Viscosity 0 cp		Tubing/Drill Pipe			
Service Line Cementing	Job Type Cem Surface Casing		Depth, ft 0	Size, in 0	Weight, lb/ft 0	Grade 0	Thread 0
Max. Allowed Tubing Pressure 400 psi	Max. Allowed Ann. Pressure 0 psi	Wellhead Connection 8 5/8 Casing		Perforations/Open Hole			
Service Instructions Safely cement 8 5/8 surface casing as per customer's request				Top, ft 0	Bottom, ft 0	spf 0	No. of Shots 0
<p style="text-align: center;">NOV 27 2001</p> <p style="text-align: center;">FROM CONFIDENTIAL</p>				Total Interval 0 ft	Diameter 0 in	Packer Type None	Packer Depth 0 ft
				Treat Down Casing	Displacement 84.4 bbl	Annular Vol. 104 bbl	Open Hole Vol. 8 bbl
Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job		
Lift Pressure: 540 psi	Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Shoe Type: Guide	Squeeze Type		
No. Centralizers: 4	Top Plugs: 1	Bottom Plugs: 0		Shoe Depth: 1350 ft	Tool Type:		
Cement Head Type: Single	Job Scheduled For: 11/5/00 15:00	Arrived on Location: 11/5/00 15:00	Leave Location: 11/5/00 21:30		Stage Tool Type	Tool Depth: 0 ft	
				Stage Tool Depth: 0 ft	Tail Pipe Size: 0 in		
				Collar Type: Float	Tail Pipe Depth: 0 ft		
				Collar Depth: ft	Sqz Total Vol: 0 bbl		
Time	CumVol	Density U1	Pressure U1	TotFlowrate	Message		
24 hr clock	bbl	ppg	psi	bpm			
19:11	0.	5.	-3571	0.	0	0	0
19:11	0	0	0	0	0	0	START ACQUISITION
19:11	0.	5.	-3571	0.	0	0	Start Job
19:11	0.	5.	-3571	0.	0	0	Pressure Test Lines
19:11	0.	5.	4.58	0.	0	0	
19:12	0.	5.	4.58	0.	0	0	
19:13	0.	8.05	4.58	0.	0	0	
19:13	0.	8.06	4.58	0.	0	0	
19:14	0.	7.39	4.58	0.	0	0	
19:14	0.304	8.02	261.	0.	0	0	
19:15	0.319	8.04	883.7	0.	0	0	
19:16	0.319	8.09	801.3	0.	0	0	
19:16	0.319	8.04	87.	0.	0	0	
19:17	0.319	8.04	13.74	0.	0	0	
19:17	0.319	8.07	9.16	0.	0	0	
19:18	0.319	8.07	9.16	0.	0	0	
19:18	1.86	7.99	228.9	5.96	0	0	Start Pumping Water
19:18	1.86	7.99	228.9	5.96	0	0	
19:19	5.36	8.05	228.9	5.93	0	0	
19:20	8.86	8.09	228.9	5.96	0	0	
19:20	8.86	8.09	228.9	5.96	0	0	[CumVol]=12.37 bbl
19:20	12.37	8.07	224.4	5.98	0	0	

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ORIGINAL

Well		Field			Service Date		Customer	Job Number
WITCHER #1-30		Hogoton					HARRIS OIL & GAS COMPA	20185880
Time	CumVol	Density U1	Pressure U1	TotFlowrate				Message
24 hr clock	bbf	ppg	psi	bpm				
19:20	8.86	8.09	228.9	5.96	0	0	0	Reset Volume
19:20	12.37	8.07	224.4	5.98	0	0	0	Start Cement Slurry
19:21	3.38	10.1	283.9	5.93	0	0	0	
19:21	6.87	11.71	334.2	5.9	0	0	0	
19:22	10.32	12.57	361.7	5.96	0	0	0	
19:23	13.23	11.95	192.3	4.08	0	0	0	
19:23	15.95	12.56	361.7	5.96	0	0	0	
19:24	19.44	12.63	361.7	5.96	0	0	0	
19:24	22.93	12.16	338.8	5.93	0	0	0	
19:25	26.42	12.49	352.6	5.96	0	0	0	
19:25	29.9	12.47	343.4	5.96	0	0	0	RELEASED
19:26	33.39	12.34	343.4	5.96	0	0	0	
19:27	36.89	12.14	338.8	5.96	0	0	0	NOV 27 2001
19:27	40.37	12.27	343.4	5.96	0	0	0	
19:28	43.85	12.51	348.	5.93	0	0	0	
19:28	47.34	12.57	348.	5.96	0	0	0	FROM CONFIDENTIAL
19:29	50.82	12.44	338.8	5.93	0	0	0	
19:29	50.82	12.44	338.8	5.93	0	0	0	switch bottles
19:30	54.31	12.09	329.7	6.01	0	0	0	
19:30	57.82	11.52	297.6	5.93	0	0	0	
19:31	61.31	11.45	297.6	5.93	0	0	0	
19:31	64.78	12.07	320.5	5.96	0	0	0	
19:32	68.28	11.2	293.	5.96	0	0	0	
19:33	71.77	12.17	325.1	5.9	0	0	0	
19:33	75.23	12.54	366.3	5.93	0	0	0	
19:34	78.72	10.98	283.9	6.01	0	0	0	
19:34	82.24	9.71	238.1	6.01	0	0	0	
19:35	85.72	12.16	325.1	5.87	0	0	0	
19:35	89.16	13.79	393.8	5.87	0	0	0	
19:36	92.62	13.59	384.6	5.9	0	0	0	
19:37	96.13	12.2	320.5	5.98	0	0	0	
19:37	99.62	11.95	311.4	5.93	0	0	0	
19:37	99.62	11.95	311.4	5.93	0	0	0	Switch bottles
19:38	103.1	11.72	306.8	5.96	0	0	0	
19:38	106.6	12.11	320.5	5.96	0	0	0	
19:39	110.1	13.17	361.7	5.87	0	0	0	
19:40	113.5	13.02	366.3	5.96	0	0	0	
19:40	117.	12.57	343.4	5.96	0	0	0	
19:41	120.5	12.09	315.9	5.96	0	0	0	
19:41	124.	12.48	334.2	5.98	0	0	0	
19:42	127.5	12.92	338.8	5.87	0	0	0	
19:42	131.	12.18	320.5	5.96	0	0	0	
19:43	134.5	12.39	329.7	5.98	0	0	0	
19:44	138.	12.41	325.1	5.93	0	0	0	
19:44	141.5	12.29	320.5	5.96	0	0	0	
19:45	145.	12.26	320.5	5.98	0	0	0	
19:45	148.5	12.18	311.4	5.93	0	0	0	
19:46	152.	7.13	288.5	6.01	0	0	0	
19:46	152.	7.13	288.5	6.01	0	0	0	Start Tail
19:47	155.5	13.65	366.3	5.87	0	0	0	
19:47	158.9	14.93	435.	5.87	0	0	0	
19:48	162.4	14.8	439.6	5.96	0	0	0	
19:48	165.9	14.44	412.1	5.98	0	0	0	
19:49	169.4	14.04	389.2	5.98	0	0	0	

NOV 27 2001

CONFIDENTIAL

RELEASED

NOV 27 2001

FROM CONFIDENTIAL

CONFIDENTIAL

ORIGINAL

Well		Field			Service Date		Customer	Job Number
WITCHER #1-30		Hogoton					HARRIS OIL & GAS COMPA	20185880
Time	CumVol	Density U1	Pressure U1	TotalFlowrate				Message
24 hr clock	bbbl	ppg	psi	bpm				
19:50	172.9	13.86	380.	5.98	0	0	0	KCC
19:50	176.4	14.53	412.1	5.93	0	0	0	NOV 27 2000
19:51	179.3	14.99	228.9	4.11	0	0	0	
19:51	181.9	14.99	430.4	5.93	0	0	0	CONFIDENTIAL
19:52	181.9	14.99	430.4	5.93	0	0	0	[CumVol]=183.4 bbl
19:52	181.9	14.99	430.4	5.93	0	0	0	Reset Volume
19:52	0.	10.63	13.74	0.	0	0	0	
19:52	0.	9.4	0.	0.	0	0	0	
19:53	0.	9.46	-4.58	0.	0	0	0	
19:54	0.	9.45	32.05	0.	0	0	0	
19:54	0.	9.47	27.47	0.	0	0	0	RELEASED
19:55	0.	9.44	4.58	0.	0	0	0	
19:55	0.	9.52	4.58	0.	0	0	0	NOV 27 2000
19:56	0.	5.	4.58	0.	0	0	0	
19:57	0.	5.	0.	0.	0	0	0	
19:57	0.	5.	4.58	0.	0	0	0	FROM CONFIDENTIAL
19:58	0.	5.	4.58	0.	0	0	0	
19:58	0.	5.	4.58	0.	0	0	0	
19:59	0.	5.	4.58	0.	0	0	0	
20:00	0.	6.81	-4.58	0.	0	0	0	
20:00	0.09	5.	4.58	1.12	0	0	0	
20:01	1.49	5.	82.42	3.05	0	0	0	
20:01	3.29	5.	73.26	3.1	0	0	0	
20:02	5.11	5.	68.68	3.1	0	0	0	
20:02	8.02	5.	178.6	5.31	0	0	0	
20:03	8.02	5.	178.6	5.31	0	0	0	Start Displacement
20:03	11.14	5.	178.6	5.31	0	0	0	
20:04	14.24	5.	183.2	5.28	0	0	0	
20:04	17.34	5.	187.7	5.31	0	0	0	
20:05	20.47	5.	192.3	5.37	0	0	0	
20:05	23.59	5.	183.2	5.31	0	0	0	
20:06	26.31	5.	123.6	3.36	0	0	0	
20:07	27.18	5.	96.15	2.52	0	0	0	
20:07	28.82	5.	96.15	2.77	0	0	0	
20:08	30.44	5.	105.3	2.8	0	0	0	
20:08	31.94	5.	96.15	2.32	0	0	0	
20:09	33.31	5.	119.	2.35	0	0	0	
20:09	34.67	5.	119.	2.32	0	0	0	
20:10	36.04	5.	128.2	2.32	0	0	0	
20:11	37.4	5.	132.8	2.32	0	0	0	
20:11	38.76	5.	146.5	2.32	0	0	0	
20:12	40.12	5.	146.5	2.29	0	0	0	
20:12	41.47	5.	146.5	2.32	0	0	0	
20:13	42.83	5.	164.8	2.32	0	0	0	
20:14	44.19	5.	174.	2.29	0	0	0	
20:14	45.55	5.	183.2	2.32	0	0	0	
20:15	46.91	5.	192.3	2.29	0	0	0	
20:15	48.28	5.	210.6	2.32	0	0	0	
20:16	49.64	5.	196.9	2.32	0	0	0	
20:17	51.01	5.	201.5	2.35	0	0	0	
20:17	52.38	5.	233.5	2.32	0	0	0	
20:18	53.76	5.	228.9	2.35	0	0	0	
20:18	55.13	5.	238.1	2.35	0	0	0	
20:19	56.51	5.	242.7	2.35	0	0	0	

CONFIDENTIAL

ORIGINAL ORIGINAL

Well		Field				Service Date		Customer		Job Number	
WITCHER #1-30		Hogoton						HARRIS OIL & GAS COMPA		20185660	
Time	CumVol	Density U1	Pressure U1	TotFlowrate				Message			
24 hr clock	bbl	ppg	psi	bpm							
20:19	57.88	5.	270.1	2.35	0	0	0	KCC			
20:20	59.26	5.	247.3	2.35	0	0	0	NOV 27 2000			
20:21	60.65	5.	265.6	2.38	0	0	0	CONFIDENTIAL			
20:21	62.03	5.	293.	2.35	0	0	0				
20:22	63.41	5.	288.5	2.35	0	0	0				
20:22	64.8	5.	308.8	2.35	0	0	0				
20:23	66.13	5.	297.6	2.12	0	0	0				
20:24	67.38	5.	311.4	2.15	0	0	0				
20:24	68.62	5.	315.9	2.12	0	0	0				
20:25	69.86	5.	325.1	2.1	0	0	0				
20:25	71.	5.	329.7	1.76	0	0	0	RELEASED			
20:26	72.03	5.	329.7	1.76	0	0	0	RELEASED			
20:26	73.05	5.	338.8	1.73	0	0	0				
20:27	74.07	5.	343.4	1.73	0	0	0	NOV 27 2000			
20:28	75.09	5.	357.1	1.73	0	0	0				
20:28	76.1	5.	352.6	1.73	0	0	0	FROM CONFIDENTIAL			
20:29	77.12	5.	366.3	1.73	0	0	0				
20:29	78.14	5.	375.5	1.73	0	0	0				
20:30	79.06	5.	366.3	1.26	0	0	0				
20:31	79.79	5.	361.7	1.26	0	0	0				
20:31	80.52	5.	366.3	1.23	0	0	0				
20:32	81.25	5.	370.9	1.26	0	0	0				
20:32	81.9	5.	334.2	0.	0	0	0				
20:33	81.9	5.	192.3	0.	0	0	0				
20:34	81.92	5.	114.5	0.503	0	0	0	Co Man Pump more			
20:34	82.35	5.	380.	1.17	0	0	0				
20:35	83.05	5.	380.	1.17	0	0	0				
20:35	83.74	5.	380.	1.17	0	0	0				
20:36	84.44	5.	380.	1.17	0	0	0				
20:36	85.14	5.	384.6	1.2	0	0	0				
20:37	85.85	5.	380.	1.2	0	0	0				
20:38	86.56	5.	389.2	1.23	0	0	0				
20:38	86.96	5.	302.2	0.	0	0	0				
20:39	86.96	5.	302.2	0.	0	0	0	Shut dwn			
20:39	86.96	5.	164.8	0.	0	0	0				
20:39	86.96	5.	68.68	0.	0	0	0				
20:40	86.96	5.	9.16	0.	0	0	0				
20:41	86.96	5.	9.16	0.	0	0	0				
20:41	86.96	5.	9.16	0.	0	0	0	Float holding			
20:41	86.96	5.	9.16	0.	0	0	0				
20:41	86.96	5.	9.16	0.	0	0	0	Cmt circ = 4.5 bbls			

Post Job Summary										
Average Pump Rates, bpm					Volume of Fluid Injected, bbl					
Slurry	N2		Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
2	0		0	5	189	0	10	0		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density			
400	300	0	400	0		0 bbl	0 lb/gal			
Avg. N2 Percent		Designed Slurry Volume		Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?		Volume	4.5 bbl	
0 %		198 bbl		86 bbl	65 °F	<input type="checkbox"/> Washed Thru Perfs To		0 ft		
Customer or Authorized Representative				Dowell Supervisor			<input type="checkbox"/> Circulation Lost			<input checked="" type="checkbox"/> Job Completed
Harold Frauli				Shubhanan Dakshindas						