

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

API NO. 15- 081-20724-0000 ORIGINAL

County HASKELL

C - SE - SE - Sec. 14 Twp. 29S Rge. 33 X W

660 Feet from SYN (circle one) Line of Section

660 Feet from EW (circle one) Line of Section

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

Lease Name Huitt Well # 1-14

Field Name LEMON NE

Producing Formation Chester

Elevation: Ground 2926' KB 2937'

Total Depth 5576' PBSD 5499'

Amount of Surface Pipe Set and Cemented at 1873' Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 3158' Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan ALT 1 8/9/ 3-2-94
(Data must be collected from the Reserve Pit)

Chloride content ppm Fluid volume bbls

Dewatering method used

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 # 3871

Name: HUGOTON ENERGY CORPORATION

Address 229E. William #500

City/State/Zip Wichita, Ks. 67202

Purchaser: NA

Operator Contact Person: Jim Gowens

Phone (316.) 262-1522

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: Mark Grommesh

Designate Type of Completion

X New Well Re-Entry Workover

X Oil SWD SLOW Temp. Abd.

 Gas ENHR SIGW

 Dry Other (Core, WSW, Expl., Cathodic, 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 PBSD

 Commingled Docket No.

 Dual Completion Docket No.

 Other (SWD or Inj?) Docket No.

6-6-92 6-18-92 7-23-92

Spud Date Date Reached TD Completion Date

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 [Signature]

Title Exploration Manager Date 9-15-92

Subscribed and sworn to before me this 15th day of September, 19 92.

Notary Public Garry D. Walker

Date Commission Expires 9/18/1995

Garry D. Walker
NOTARY PUBLIC
State of Kansas
MY APPT. EXPIRES

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 HUGOTON ENERGY CORPORATION

Lease Name HUITT

Well # 1-14

Sec. 14 Twp. 29S Rge. 33W

East
 West

County Haskell

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:

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Name	Top	Datum
KRIDER	2682	+255
HEEBNER	4116	-1179
LANSING	4212	-1275
KANSAS CITY A	4640	-1730
KANSAS CITY B	4685	-1748
MARMATON	4750	-1813
CHEROKEE SH	4955	-2018
ATOKA	5087	-2150
MORROW SHALE	5245	-2308
MORROW SD	5350	-2413
CHESTER	5390	-2453

DIL, SSD/CNP,MEL

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	24#	1861	35/65poz	790	2%cc
Production	7 7/8	5 1/2	15.5#	5546	Class C	225	.05#D60
				3160	"	350	2%cc

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)	
		Amount	Depth
4	5400-04	Acidized w/1000 acid	
7	5413-20	" w/2500 Gals HCL 15%	
2	5350-54		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
	2 3/8	5417		

Date of First, Resumed Production, SWD or Inj.	Producing Method
NA	<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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	25	0	0		

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: 5350-5420
OA

ORIGINAL

Page 2

Hugoton Energy Corporation
Huitt #1-14
Sec. 14-29S-33W
API #15-081-20,724

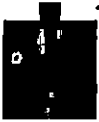
Drill Stem Test Information

DST #1 4659-4700 (KC 'B')
Times: 30-60-45-90
Recovery: 837' MW
IHP: 2312 FHP: 2159
IFP: 96-235 FFP: 304-427
ISIP: 1260 FSIP: 1260
BHT: 122°

DST #2 5228-5320 (Upper Morrow)
Times: 30-60-30-60
Recovered: 1,013' mud
IHP: 2702 FHP: 2591
IFP: 459-495 FFP: 495-495
ISIP: 1001 FSIP: 661
BHT: 121

DST #3 5227-5366 (Morrow)
Times: 45-90-45-90
Recovered: 80' Mud
IHP: 2585 FHP: 2530
IFP: 106-106 FFP: 128-117
ISIP: 181 FSIP: 213
BHT: 122

DST #4 5398-5420 (Chester Sand)
Times: 30-60-45-90
1st Flow: GTS 3", MAX 50.9 MCF
2nd Flow: MAX 49.4 MCF
Recovery: 3930' GIP, 1460' GO (API 33), 30' G&OCM
IHP: 2639 FHP: 2530
IFP: 138-181 FFP: 245-288
ISIP: 1390 FSIP: 1346
BHT: 130



HUGOTON ENERGY CORPORATION

ORIGINAL

March 1, 1994

Jim Hemmen
Kansas Corporation Commission
200 Colorado Derby Building
202 West First
Wichita, KS 67202-1286

Re: Huitt #1-14
Sec. 14-29S-33W
Haskell County, Kansas
API # 15-081-20724

Dear Jim:

Enclosed please find the following Well Completion information for the above referenced well. Several items are those which were missing when the ACO-1 was originally filed. These are the items we discussed in our phone conversation on 2/28/94.

1. Copy of Form ACO-1 (originally filed 9/15/92)
2. Copy of DST information (originally filed 9/15/92)
3. Cement Tickets dated 6/6/92 and 6/18/92
4. E. Logs: DIL, SSD/CNP, MEL
5. Geologist's Report

If you should have any questions regarding this information, please contact me at 262-1522.

Sincerely,

Jill C. Manion
Exploration Secretary

enclosures: Copy of Form ACO-1
DST Info
Cement Tickets dated 6/6/92 & 6/18/92
E. Logs (3)
Geo Report

cc: Well File

RECEIVED
STATE CORPORATION COMMISSION

MAR 02 1994

CONSERVATION DIVISION
Wichita, Kansas

TREATMENT NUMBER 03-12-4531	DATE 6-18-92
STAGE 1	DS DISTRICT 0143363 KS

DS-496, PRINTED IN U.S.A.

WELL NAME AND NO. HUIT #1-14	LOCATION (LEGAL) SEC 14-293-33W
FIELD-POOL	FORMATION
COUNTY/PARISH HASKELL	STATE Kansas
API. NO.	
NAME Hugoton Energy	
AND	
ADDRESS	
ZIP CODE	

RIG NAME: CHEYENNE #3	WELL DATA:	BOTTOM	TOP
BIT SIZE 7 7/8	CSG/Liner Size	5 1/2	5 1/2
TOTAL WEIGHT 3576	WEIGHT	15.5	14"
WROT <input type="checkbox"/> CABLE	FOOTAGE	4936	600
MUD TYPE	GRADE		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD	8 #	
MUD DENSITY 9.0	LESS FOOTAGE SHOE JOINT(S)	40	
MUD VISC: 60	Disp. Capacity	11652	14.64
NOTE: Include Footage From Ground Level To Head In Disp. Capacity			

SPECIAL INSTRUCTIONS

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE 3577 PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)

PRESSURE LIMIT PSI BUMP PLUG TO PSI

ROTATE RPM RECIPROCATATE FT No. of Centralizers 15

Float	TYPE O.F. INSERT	DEPTH	TYPE Weather	DEPTH 3150
SHOE	TYPE Cut Guide	DEPTH	TYPE	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	<input type="checkbox"/> WEIGHT	DEPTH		
<input type="checkbox"/> Swage	<input type="checkbox"/> GRADE	TAIL PIPE: SIZE DEPTH		
<input type="checkbox"/> Knockoff	<input type="checkbox"/> THREAD	TUBING VOLUME Bt		
TOP: <input type="checkbox"/> OR <input type="checkbox"/> OW	<input type="checkbox"/> NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL Bt		
BOT <input type="checkbox"/> OR <input type="checkbox"/> OW	DEPTH	TOTAL Bt		
		ANNUAL VOLUME Bt		

TIME	PRESSURE	VOLUME PUMPED 68L	JOB SCHEDULED FOR TIME: 2000 DATE: 6-17	ARRIVE ON LOCATION TIME: 2000 DATE: 6-17	LEFT LOCATION TIME: 0700 DATE: 6-18-92
0001 to 2400	TBG OR D.P. CASING	INCREMENT CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY

TIME	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
								PREJOB SAFETY MEETING + PRESSURE TEST LINGS.
0013	340	12				CW100		START CW100 AHEAD
0015	340	53	12			CW100	14.8	CW100 AHEAD PUMPED START CEMENT
0024	-	-		65				CEMENT MIXED SHUT DN.
0025	-	-		65				WASH PUMP & LINGS.
0029	-	-		65				DROP BOTTOM PLUG
0030	140	131	65	7	FILED	8.32		START DISPLACEMENT
0039	160		60	7	MUD	9.0		START PUMPING MUD
0042	130		74	2				SLOW RATE.
0043	130		76	6				INC. RATE
0050	500		121	2				SLOW RATE 20PM.
0055	700		131	2				Bump First Stage Plug
0055	1360		131	-				CHECK FLOAT - FLOAT HOLDING.
0102	-							DROP BOMB
0115	810							OPOG STAGE TOOL
0115	-							Tool Plug - then over to rig to circulate for 4 hrs.

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLs	DENSITY
1.	225	1.32	CLASS C + 1.5% SB60 + 2% CALC + 4% SKD29	53	14.8
2.					
3.					
4.					
5.					
6.					

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MAR 02 1994

REARNDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX. 1520
RESISTANCE 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 type="checkbox"/> NO
REARNDOWN PSI	FINAL PSI	DISPLACEMENT VOL. 131	Bbls	TYPE OF WELL <input checked="" type="checkbox"/> OIL <input type="checkbox"/> GAS
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO	TO FT.	MEASURED DISPLACEMENT <input checked="" type="checkbox"/> X	<input type="checkbox"/> WIRELINE	<input type="checkbox"/> STORAGE <input type="checkbox"/> INJECTION <input type="checkbox"/> BRINE WATER <input type="checkbox"/> WILDCAT
PERFORATIONS	CUSTOMER REPRESENTATIVE	DS SUPERVISOR		
TO TO	TERRY MAXWELL	Greg Gendrick		

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 83-12-2531 DATE 6-18-9
 STAGE 2 DS 214323 K3 DISTRICT

DS-498 PRINTED IN U.S.A.

WELL NAME AND NO. **HUTTON 1-14** LOCATION (LEGAL) **Sec 14-29S-33W** RIG NAME: **Cheyenne Bq #3**

FIELD-POOL _____ FORMATION _____

COUNTY/PARISH **HASKELL** STATE **KANSAS** API. NO. _____

NAME **HUTTON Energy**

AND _____

ADDRESS _____

ZIP CODE _____

SPECIAL INSTRUCTIONS _____

WELL DATA: BIT SIZE **7 7/8** CSG/Liner Size **5 7/2** **5P2** TOP
 TOTAL **576** WEIGHT **15.5** **14.8**
 ROT CABLE FOOTAGE **4936** **6000**
 MUD TYPE _____ GRADE _____
 BHST BHCT THREAD _____
 MUD DENSITY _____ LESS FOOTAGE SHOE JOINT(S) **40** TOTAL
 MUD VISC. _____ Disp. Capacity **11652** **14.64** **131**

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

FROE	TYPE	0. Fill INSERT	SHOE	TYPE	WEATHER FOR
	DEPTH	5496		DEPTH	3150
SHOE	TYPE	CMT GUIDE	SHOE	TYPE	
	DEPTH	5536		DEPTH	

Head & Plugs TBG D.P. SQUEEZE JOB

Double SIZE TOOL TYPE

Single WEIGHT DEPTH

Swage GRADE TAIL PIPE: SIZE DEPTH

Knockoff THREAD TUBING VOLUME Bt

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE _____ PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)

PRESSURE LIMIT _____ PSI BUMP PLUG TO _____ PSI TOP OR OW NEW USED CASING VOL. BELOW TOOL Bb

ROTATE _____ RPM RECIPROCATE _____ FT No. of Centralizers BOT OR OW DEPTH TOTAL Bb

ANNUAL VOLUME Bb

JOB SCHEDULED FOR TIME: **2000** DATE: **6-17** ARRIVE ON LOCATION TIME: **2000** DATE: **6-17** LEFT LOCATION TIME: **0700** DATE: **6-18**

TIME	PRESSURE		VOLUME PUMPED bbl		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0001 to 2400								PRE-JOB SAFETY MEETING
0517		240	10		5	F160	8.32	START WATER ahead
0519		240	75	10	6	CMT	12.3	Water ahead pumped START Lead Cemec
0531		180	35	85	6	CMT	14.8	Lead CEMENT PUMPED START TAIL CEMENT
0537		-		120	-			TAIL CEMENT PUMPED
0539		-		120	-			Shut dn - WASH Pump & Lines
0541		-		120	-			Deep Closing Plug
0541		-	75	120	5	F160		START DISPLACEMENT
0554		420		64	2			Slow Rate 2BPM
0559		640		75				Bump Closing Plug
0559		1710						CHECK TOOL - TOOL CLOSED

REMARKS _____

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED			
					BBLs	DENSITY		
1.	200	2.1	65/35 C/P62	+ 6% 1520	+ 2% C/C	+ 1/4 #/SK 1529	75	12.3
2.	150	1.32	C/135C	+ 2% C/C	+ 1/4 #/SK 1529		35	14.8
3.								
4.								
5.								
6.								

STATE CORPORATION COMMISS

MAR 02 1994

BREAKDOWN FLUID TYPE _____ VOLUME _____ DENSITY _____ PRESSURE _____ MAX. _____ CONSERVATION DIVISION _____

HESITATION, SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO Wichita, Kansas Bbls

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **75** Bbls TYPE OF WELL OIL GAS STORAGE BRINE WATER WILDCAT

ashed Thru Perfs YES NO TO _____ FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS _____ CUSTOMER REPRESENTATIVE **TERRY MAWELL** DS SUPERVISOR **[Signature]**

TO _____ TO _____

ORIGINAL
DS

CEMENTING SERVICE REPORT

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 4508 DATE 6/6/92
STAGE DS DISTRICT 03-12 WKS

WELL NAME AND NO. Hughes LOCATION (LEGAL) Sec. 14-29s-33w
FIELD NO. Hugoton FORMATION Surface
COUNTY/PARISH Haskell STATE Ks. API. NO. _____
NAME Hugoton Engr 14
AND _____
ADDRESS _____
ZIP CODE _____

RIG NAME: Chayenne #3
WELL DATA: BIT SIZE 12 1/8 CSGL/Liner Size 8 7/8 BOTTOM _____ TOP _____
TOTAL DEPTH 1861 WEIGHT 2411
 ROT CABLE FOOTAGE 1861
MUD TYPE _____ GRADE _____
 BHST BHCT THREAD 8RL
MUD DENSITY _____ LESS FOOTAGE SHOE JOINT(S) 43 TOTAL _____
MUD VISC. _____ Disp. Capacity 1818

SPECIAL INSTRUCTIONS
Provide materials and services to safety cement 8 7/8 surface casing.

NOTE: Include Footage From Ground Level To Head In Drag Capacity
SHOE TYPE Artic P-11 DEPTH 1818
SHOE TYPE Cat Nose Guide DEPTH 1861
Head & Plugs TBO D.P. SQUEEZE JOB
 Double SIZE _____ TOOL TYPE _____
 Single WEIGHT _____ DEPTH _____
 Swage GRADE _____ TAIL PIPE: SIZE _____ DEPTH _____
 Knockoff THREAD _____ TUBING VOLUME _____ Bbls
TOP OR OW NEW USED CASING VOL. BELOW TOOL _____ Bbls
BOT OR OW DEPTH _____ TOTAL _____ Bbls
ANNUAL VOLUME _____ Bbls

IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE 747 PSI CASING WEIGHT + SURFACE AREA (3.14 x R²) _____
PRESSURE LIMIT 500 PSI BUMP PLUG TO 880 PSI
ROTATE _____ RPM RECIPROCATATE _____ FT No. of Centralizers 3

TIME	PRESSURE		VOLUME PUMPED bbl		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBO OR D.P.	CASING	INCREMENT	CUM.	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
14:46	1900	-	-	-	1	H ₂ O 8.33	PRE-JOB SAFETY MEETING	PSI Test			
14:47	-	300	300	-	8	H ₂ O 8.33	Start H ₂ O Ahead				
14:49	-	290	239	-	8	CM+ 12.2	Start Sand CM+				
15:19	-	1410	35	-	8.1	CM+ 14.8	Start Tail CM+				
15:24	-	-	-	-	-	-	Shutdown - Drop Plug				
15:24	-	160	115	-	7.3	H ₂ O 8.33	Start Displacement				
15:41	-	640	100	-	2.4		Lower Pump Rate				
15:46	-	880	115	-	2.4		Bump Top Plug				
15:47	-	-	-	-	-		Release Pri.				
							End Job				

REMARKS

SYSTEM CODE	NO. OF BAGS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
			CLASS	WATER	BBLs	DENSITY
1.	640	2.1	65% 45 + 6% D20 + 2% 5-1 + 1/4 3/4 D-29		239	12.2
2.	150	1.32	CLASS "C" + 2% 5-1 + 1/4 3/4 D-29			
3.						
4.						
5.						
6.						

STATE CORPORATION COMMISSION
MAR 02 1994

BREAKDOWN FLUID TYPE
 HESITATION SO. RUNNING SO. CIRCULATION LOST YES NO
Cement Circulated To Surf. YES NO
BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 115.8 Bbls
TYPE OF WELL OIL GAS STORAGE INJECTION BRINE WATER WILOCAT
Washed Thru Parts YES NO TO FT. MEASURED DISPLACEMENT WIRELINE
PERFORATIONS TO TO CUSTOMER REPRESENTATIVE Angine Bell DS SUPERVISOR Ging Black

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 03-12-4531	DATE 6-18-92
STAGE 1	DS D14363
DISTRICT K3	(7)

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO. Holt #1-14	LOCATION (LEGAL) SEC 14-29S-33W
FIELD-POOL	FORMATION
COUNTY/PARISH Haskell	STATE Kansas
API. NO.	
NAME Hugoton Energy	
AND	

RIG NAME Cheyenne #3	WELL DATA	BOTTOM	TOP
BIT SIZE 7 7/8	CSG/Liner Size	5 1/2	5 1/2
TOTAL 5576	WEIGHT	155	144
ROT CABLE	FOOTAGE	4936	600
MUD TYPE	GRADE		
BHST	THREAD	8PS	
BHCT			
MUD DENSITY 9.0	LESS FOOTAGE SHOE JOINT(S)	40	
MUD VISC. 60	Disp. Capacity	11652	14.04
TOTAL			131.16

ADDRESS

ORIGINAL

Foot	TYPE	O.F. INSERT	Stage Tool	TYPE	Weatherford
	DEPTH			DEPTH	3150
SHOE	TYPE	Cur Guide		TYPE	
	DEPTH			DEPTH	

SPECIAL INSTRUCTIONS

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	Bbls	

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE 3577 PSI CASING WEIGHT SURFACE AREA (3.14 x R²)

PRESSURE LIMIT PSI BUMP/PLUG TO PSI

ROTATE RPM RECIPROCATE FT. No. of Centralizers 15

TOP <input type="checkbox"/> OR <input type="checkbox"/> CW	<input type="checkbox"/> NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL	Bbls
BOT <input type="checkbox"/> OR <input type="checkbox"/> CW	DEPTH	TOTAL	Bbls
		ANNUAL VOLUME	Bbls

TIME	PRESSURE	VOLUME PUMPED (BBL)	JOB SCHEDULED FOR TIME 2000 DATE 6-17	ARRIVE ON LOCATION TIME 2000 DATE 6-17	LEFT LOCATION TIME 0700 DATE 6-18-92
------	----------	---------------------	---------------------------------------	--	--------------------------------------

TIME	PRESSURE		VOLUME PUMPED (BBL)		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM.				
0001 to 2400								PRE-JOB SAFETY MEETING + PRESSURE TEST LINES.
0013		340	12			9.00		Start CW100 ahead
0015		340	53	12		9.04	14.8	CW100 ahead pumped start CEMENT
0024		-		65				CEMENT Mixed Shut dw
0025		-		65				WASH Pump + Lines
0027		-		65				Drop Bottom Plug
0030		140	131	65	7	9.160	8.32	Start Displacement
0039		160		60	7	Mud	9.0	Start Pumping mud
0042		130		74	2			Slow Rate
0043		130		76	6			Inc. RATE
0050		500		121	2			Slow Rate 20pm
0055		700		131	2			Bump First Stage Plug
0055		1360		131	-			Check float - float holding.
0102		-						Drop Bomb
0115		810						Drop Stage Tool
0115		-						Red Plug - open over to Rig to circulate for 4 hrs.

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1	225	1.32	CLASS C + 1.5% SBO + 2% CALC + 44% SLD29		53	14.8
2						
3						
4						
5						
6						

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX: 1360 MIN:

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO Bbls.

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 131 Bbls TYPE OF WELL OIL GAS STORAGE INJECTION BRINE WATER WILDCAT

Washed Thru Peris. YES NO TO: FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE TERRY Maxwell DS SUPERVISOR Greg Gervic

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 05-12-1531 DATE 6-18-92

STAGE I DS DISTRICT 04323 K3

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO. **Horn 1-14** LOCATION (LEGAL) **Sec 14-295-33W**

RIG NAME **Cherokee Bq #3**

FIELD POOL FORMATION

WELL DATA BIT SIZE **2 7/8** CSG/Liner Size **5 1/2 5 1/2**

COUNTY/PARISH **WASKELL** STATE **KANSAS** API NO.

TOTAL **5576** WEIGHT **155 148**

NAME **Hogerton Energy**

MUD TYPE GRADE FOOTAGE **4936 600**

AND ADDRESS **D.V. ORIGINAL**

MUD DENSITY LESS FOOTAGE SHOE JOINT(S) **40** TOTAL **131.16**

SPECIAL INSTRUCTIONS

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

IS CASING/TUBING SECURED? YES NO

SHOE TYPE **0. Oil Inset** DEPTH **5496** TYPE **Weatherford** DEPTH **3150**

LIFT PRESSURE PSI CASING WEIGHT SURFACE AREA (3.14 x R²)

TOOL TYPE SIZE WEIGHT GRADE TAIL PIPE SIZE DEPTH

PRESSURE LIMIT PSI BUMP PLUG TO PSI

TOP OR CW NEW USED TUBING VOLUME Bbls

ROTATE RPM RECIPROCATE FT No. of Centralizers

BOT OR CW DEPTH TOTAL Bbls

ARRIVE ON LOCATION TIME: 2000 DATE: 6-17 LEFT LOCATION TIME: 0705 DATE: 6-18-92

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME DATE			ARRIVE ON LOCATION TIME DATE			LEFT LOCATION TIME DATE		
	TBG OR D.P.	CASING	INCREMENT	CUM.	INJECT. RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE	TIME	DATE
0001-16 2400													
0517		240	10		5	F112	8.32						
0519		240	75	10	4	CMF	12.3						
0531		180	35	85	4	CM	14.8						
0537		-		120	-								
0539		-		120	-								
0541				120	-								
0541			75	120	5	F112							
0554		420		64	2								
0559		640		75									
0559		1710											

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED		
			BLS	DENSITY	BLS	DENSITY			
1	200	2.1	65/35	9/102	+6% 520	+2% Calc	+14% 136 529	75	12.3
2	150	1.32	1453 C	+2% Calc	+14% 136 529			35	14.8
3									
4									
5									
6									

BREAKDOWN FLUID TYPE		VOLUME		DENSITY		PRESSURE	
MAX	MIN						
<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		Bbls
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	75		Bbls
Washed Thru Peris	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE		
PERFORATIONS	TO	TO		CUSTOMER REPRESENTATIVE	DS SUPERVISOR		