

SIDE ONE

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

API NO. 15- 189-21481-0000

County STEVENS

SE NW NW Sec. 11 Twp. 31S Rge. 35 X East West

4040 Ft. North from Southeast Corner of Section

3966 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name LAMBERT UNIT Well # 3

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 2994 KB 3006

Total Depth 2940 PBD 2904

Operator: License # 5208

Name: MOBIL OIL CORPORATION

Address 2319 NORTH KANSAS

City/State/Zip LIBERAL, KS 67901

Purchaser: SPOT MARKET

Operator Contact Person: RAE KELLY

Phone (316) 626-1160

Contractor: Name: EXETER DRILLING CO.

License: 3098

Wellsite Geologist: R. STEVER

Designate Type of Completion

- New Well  Re-Entry  Workover
- Oil  SWD  Temp. Abd.
- Gas  Inj  Delayed Comp.
- Dry  Other (Core, Water Supply, etc.)

If OWD: old well info as follows:  
Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

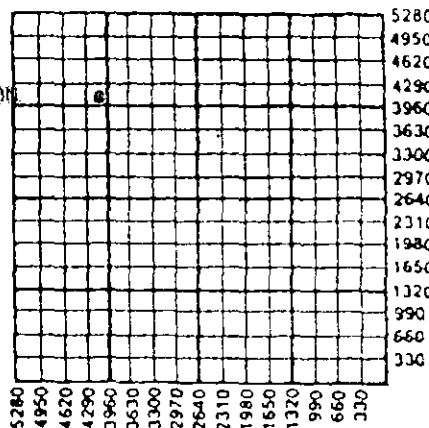
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

2-13-91 2-15-91 4-1-91

Spud Date Date Reached TD Completion Date

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Amount of Surface Pipe Set and Cemented at 819 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set NA Feet

If Alternate II completion, cement circulated from NA

feet depth to NA w/ NA sx cmr.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-1 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 R. Kelly

Title Engineering Technician Date 7-17-91

Subscribed and sworn to before me this 17TH day of JULY, 1991.

Notary Public Sharon A. Cook

Date Commission Expires OCTOBER 1, 1994

K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached

C  Wireline Log Received

C  Drillers Timelog Received

Distribution

KCC  SWD/Rep  NGPA

KGS  Plug  Other (Specify)

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SIDE TWO

Operator Name MOBIL OIL CORPORATION Lease Name LAMBERT UNIT Well # 3

Sec. 11 Twp. 31S Rge. 35  
 East  
 West

County STEVENS

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.)

Name	Formation Description	
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
	Top	Bottom
BLAINE	1136	1205
GLORIETTA	1264	1456
STONE CORRAL	1746	1809
WELLINGTON	2233	2586
CHASE	2586	2902
COUNCIL GROVE	2902	

CASING RECORD  New  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 CSG	12.250	8.625	24#	819	CL"C"LITE	200	65:35:6+3%CC
					CL"C"	175	+2%CC
PRODUCTION CSG	7.875	5.500	14#	2940	CL"H"LITE	260	65:35:6
					CL"H"	155	50:50:2+2%CC

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
Shots Per Foot	Specify Footage of Each Interval Perforated		Depth
2 SPF	2586'-2810'	ACIDIZED W/1350 GALS OF 7.5% HCL FRAC'D W/89,650 GAL OF FLUID AND 400,000 LBS OF SAND.	2586'-2760

TUBING RECORD Size NA Set At NA Packer At NONE Liner Run  Yes  No

Date of First Production 4-8-91 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		500			

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

METHOD OF COMPLETION:  Open Hole  Perforation  Dually Completed  Commingled  Other (Specify) \_\_\_\_\_

Production Interval: 2586' - 2810'

WYLLIE OIL CORPORATION MEMBER UNIT FOR  
PRIMARY CASING CEMENTING JOB REPORT

WELL NAME Lambert # 3 LOCATION Sec 11-315-354 COUNTY St. Johns STATE KS  
 WELL DEPTH 2940 BIT SIZE 7 7/8 AVG. CALIPER HOLE SIZE — MAX. DEVIATION 12 MUD TYPE LS 212  
 MUD WT. 9.2 VIS 130 PV/YP 12/17 API WL 16.8 LAST CSG. SIZE, WT., DEPTH 8 7/8 24# 818  
 CASING DATA (list weights/grades in order run)

SIZE	WEIGHT	GRADE	CONN.	NO. JOIS.	LENI
<u>8 7/8</u>	<u>24#</u>	<u>K55</u>	<u>Stc</u>	<u>20</u>	<u>876</u>
<u>8 7/8</u>	<u>14</u>	<u>K55</u>	<u>Stc</u>	<u>71</u>	<u>2973</u>
TOTAL					

SETTING DEPTH: 2940 SHOE JOINT LENGTH: 11213 DV TOOL DEPTH: —  
 RUNNING SPEED/JT., LAST 1/3 SINGING 40 sec FULL RETURN RUNNING CSG? 4000 TIME TO INSTALL HEAD 5:40  
 TIME CIRC. BEFORE CEMENTING 15 CIRC. PRESS. 200 at 65 SPC

PICK UP WEIGHT 40# SLACK OFF WEIGHT 24# CASING LANDING WT. LESS HOOR, BLOCK LOAD: 3600  
 CEMENTING AIDS (No., type, and location of centralizers, scratchers, baskets, DV tools, etc.)  
1 Lenny, 1 Ska, 1 INS, 1 float, 17 Cams, 1 Dist, 2 JTS  
1 Ther, 1 Wavy, 3 J, 1 Ther, 1 Craft

REMARKS (unusual hole conditions - fill, drag, lost circ. etc.):

CEMENT DATA:

Stage #	Lead/Tail	Class	Additives	Yield	Water Req.	# Sacks	Slurry Wt
<u>1</u>	<u>Lead</u>	<u>H112</u>	<u>65.35/6</u>	<u>484</u>	<u>9.9</u>	<u>260</u>	<u>127</u>
<u>2</u>	<u>Tail</u>	<u>H 50</u>	<u>45.2 + 29 Gal 22 Cal</u>	<u>426</u>	<u>5.75</u>	<u>155</u>	<u>142</u>

	1ST STAGE	2ND STAGE	3RD STAGE
Calc Cement For:	<u>100' into Surface</u>		
Preflush Type & Amount:	<u>20381 H 20</u>		
Bottom Plug:	<u>400</u>		
Top Plug:	<u>400</u>		
Washed Up Lines To Displace:	<u>400</u>		
Type & Amount Of Displacement:	<u>H 20</u>		
Flow Regime (turb, laminar, plug)	<u>Plug</u>		
Cement Mix Time	<u>25 min</u>		
Displacement Time	<u>16 min</u>		
Pull Rate (if req, describe below)	<u>400</u>		
Max Press Before Plug Bumped	<u>350</u>		
Press Plug Bumped At	<u>1050</u>		
Time Plug Down	<u>15:37</u>		
Pipe Worked Recip. Or Rotate	<u>Recip P.</u>		
Cement Returns To Surf? Volume?	<u>NO</u>		
Floats Held?	<u>400</u>		

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CEMENTING COMPANY: Halliburton RATING (1 bad - 10 excellent): 8

\* REMARKS ON LOST CIRC. WHILE CEMENTING, JOB PERFORMANCE, ETC. (FAIR)

On no n. data.

ORIGINAL

MOBIL OIL CORPORATION DENVER DIVISION  
PRIMARY CASING CEMENTING JOB REPORT

WELL NAME LAMBERT 3 LOCATION 11-31-35 COUNTY Stevens STATE Ks  
WELL DEPTH 820 BIT SIZE 12 1/4 IN. CALIPER HOLE SIZE NA MAX. DEVIATION - MUD TYPE H<sub>60</sub>  
MUD WT. 9.5 VIB 30 PPM 1 API WL NC LAST CSG. SIZE, WT., DEPTH NA, E

CASING DATA (list weights/grades in order run)

SIZE	WEIGHT	GRADE	CONN.	NO. JTS.	LENGTH
<u>8 5/8</u>	<u>27</u>	<u>E55</u>	<u>STC</u>	<u>21</u>	<u>816</u>
—	—	—	—	—	—
—	—	—	—	—	—

SETTING DEPTH: 816' SNOW JOINT LENGTH: 40.75 TOTAL 21 DV TOOL DEPTH: NA 816

RUNNING SPEED/JT., LAST 1/3 STRING 10<sup>100</sup>/jt FULL RETURNS RUNNING CSG? yes TIME TO INSTALL HEAD 2 MIN  
TIME CIRC. BEFORE CEMENTING: 15 MIN CIRC. PRESS. 100 at 250 RPM.

PICK UP WEIGHT \_\_\_\_\_ SLACK OFF WEIGHT \_\_\_\_\_ CASING LANDING WT. LESS HOOK, BLOCK LOAD: \_\_\_\_\_  
CEMENTING AIDS (No., type, and location of centralizers, scratchers, baskets, DV tools, etc.)  
Cent. on 12 1/4 pipe & sticky 300 # cement

REMARKS (unusual hole conditions - fill, drag, lost circ. etc.) \_\_\_\_\_

CEMENT DATA:

Stage & Lead/Tail	Class	Additives	Yield	Water Req.	# Sacks	Slurry Wt.
<u>1 Lead</u>	<u>C</u>	<u>LITE + 3% CC</u>	<u>1.99</u>		<u>200</u>	<u>12.7</u>
<u>1 Tail</u>	<u>C</u>	<u>2% CC</u>	<u>1.53</u>		<u>175</u>	<u>14.8</u>

	1ST STAGE	2ND STAGE	3RD STAGE
Cable Cement Top	<u>SURFACE</u>		
Preflush Type & Amount			
Bottom Plug?			
Top Plug?	<u>Yes</u>		
Washed Up Lines To Displace?	<u>NO</u>		
Type & Amount Of Displacement	<u>49.5 gal. H<sub>2</sub>O</u>		
Flow Regime (turb, laminar, plug)	<u>LAM</u>		
Cement Mix Time	<u>22 MIN</u>		
Displacement Time	<u>18 "</u>		
Will Give (if not, describe below)			
Max Press Before Plug Bumped	<u>250</u>		
Press Plug Bumped At	<u>200</u>		
Time Plug Down	<u>02:55</u>		
Plug Worked Rapid Or Retard			
Cement Returns To Surf? Volume?	<u>1-2 bbls.</u>		
Floats Held?	<u>Yes</u>		

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CEMENTING COMPANY HALLIBURTON RATING (1 bad - 10 excellent)

\* REMARKS ON LAST CING. WHILE CEMENTING, JOB PERFORMANCE, ETC.: I did not witness job, just wrote up the mixing cent. report.

J. C. [Signature] 2-20-91

Lease: LAMBERT UNIT Well #: 3 Well ID: 0025266  
Field: HUGOTON State: KS County: STEVENS  
API #: 15-189-21481-00 Ppty ID: 1336500 OCS #:  
Contractor: EXTETER Rig: 4 Water Depth: '  
AFE Number: 1AFA AFE Amount: 100 M Mobil GWI: 100.000%

Date Started: 02/13/1991 Time Started: 14:15 Job Type: Drilling  
Date Ended: 02/14/1991 Time Ended: 06:00 Progress: 819'  
Drig Days: 0 Est Drig Days: Planned Depth: 2,940' Hole Size: 12.250"  
Depth: 819' Hole Angle: 0.00ø Mud Weight: ppg  
TV Depth: 819' Set At: ' Shoe Test: ppg  
Last Csg: " Cumm Cost: 24 M Pln Drig Cst: M  
Daily Cost: 24 M Engineer: KA CARWILE  
Supt: DH SMITH

===== Daily Summary =====

SPUD WELL IN AT 1415 HRS 2/13/91; DRILLED TO 819'; MIX MUD; SURVEYED; TOH; RUN  
21 JTS 8-5/8" CSG; SET AT 819'; CEMENT SAME; WOC

Validated: ( N )

===== Present Operation =====

WOC

===== Next Operation =====

WOC

===== Operation Narrative =====

SPUD WELL; DRILLING  
RIG SERVICE  
DRILLING  
TIGHT HOLE; MIX MUD  
DRILLING  
DRILLING  
MIX MUD  
SURVEY  
TOH  
RUN 21 JTS 8-5/8" CASING  
CIRC PRIOR TO RUNNING SURFACE CASING  
CEMENT 8-5/8" CASING  
WOC

===== Personnel =====

Name Title

Report Generated On: 07/07/91 @ 09:40 End of Report.....  
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Wichita, Kansas

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MSD966 \*\*\* PRISM \*\*\* Page 1  
02/15/1991 DAILY DETAILED DRILLING REPORT 06:00

Lease: LAMBERT UT 1 Well #: 3 Well ID: 0025266  
Field: HUGOTON State: KS County: STEVENS  
API #: 15-189-21481-00 Ppty ID: 1336500 OCS #:  
Contractor: EXTETER Rig: 4 Water Depth: '  
AFE Number: 1AFA AFE Amount: 100 M Mobil GWI: 100.00 %  
Supt: DH SMITH Engineer: KA CARWILE

Date Started: 02/14/1991 Time Started: 06:00  
Date Ended: 02/15/1991 Time Ended: 06:00 Job Type: Drilling  
Drlg Days: 1 Est Drlg Days: Progress: 1,566'  
Depth: 2,385' Planned Depth: 2,940' Hole Size: 7.625"  
TV Depth: 2,385' Hole Angle: 0.00° Mud Weight: ppg  
Last Csg: " Set At: ' Shoe Test: ppg

Formation Desc: SHALE/LIME  
Present Operation: DRILLING

Code	Z	Hrs	OPERATIONS
940	1.00	WOC	
940	1.50	CUT OFF; WELD ON HEAD	
940	2.00	NU BOP	
940	0.50	TIH	
940	2.00	TEST BOP; FLANGE LEAKED; TEST-OK	
940	1.00	DRILLING FLOAT AND CEMENT	
940	0.25	RIG SERVICE	
940	2.00	DRILLING	
940	1.25	BIT TRIP	
940	5.00	DRILLING	
940	0.25	RIG SERVICE	
940	7.25	DRILLING	
Total:			24.00

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===== OPERATION SUMMARY =====  
WOC; CUT OFF; WELD ON HEAD; NU BOP; TIH; TEST BOP; FLANGE LEAKED; TEST-OK; DRLG  
FLOAT AND CMT; RIG SERVICE; BIT TRIP; DRILLING  
Next Period: DRILLING AHEAD

===== REMARKS =====

-----  
Daily Man Hours: 120 Total Man Hours : 200 P.O.B: 5/ 0/ 1/ 0 = 6

Personnel: E ALDREDGE Title: CONTRACT SUPV

Table with columns: DRLG, Dry, Susp | (\$), Intangible, Tangible, Total, Mud, Trouble. Rows: EST, (M\$), Cumulative values.

MUD section containing various well parameters: Sample Loc, Date, Time, FL Temp, Depth, Weight, Fnl Visc, PV, etc.

Rhe'gy at: 600/ 300/ 200/ 100/ 60/ 30/ 6/ 3/

MUD CHEMICALS

BIT RECORD

Table with columns: Bit/Run, Size, Mfg/ Type, Depth-In, Footage, Rot Hrs, ROP, Grade. Row: 2/ 1 7.625 HTC/AT3110 920 383 2.00 191.5 6-6- -5-5-

HYDRAULICS

Hydraulics parameters: Pump#, Volume (BPS), SPM, Jet Size, TFA, Jet Vel, Hole ID.

Operational parameters: Total SPM, Total GPM, Surf Pmp Press, AV's DC, DP, Bit Drop, Bit IF/Bit HHP.

SURVEYS

Table with columns: MD, Angle, Azimuth, TVD, Vert Sect, N+/S-, E+/W-, DLS°/100'. Row: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 TIE PT

WELL CONTROL

Well control parameters: Pump #, SPR, PSI, MW, MASP, BOP Test Comments, Burst (70%), Background Gas, Shoe Test, Connection Gas, Kick Tolerance, Trip Gas, Pore Pressure, BOP Test Date, ECD.

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DRILLSTRING

Table with columns: Section, OD, ID, Grade, Wt/Ft, Connection, Length

----- Weights ----- -- Torques -- Cumulative Time On  
WOB: M Pick-Up : M On-TD : BHA :  
RPM: Slack-off : M Off-TD: Shock Sub:  
Off-TD Rotating: M Jars :

===== BHA =====

Overall Length: Overall Weight: M

BHA Description:

===== CASING =====

String	OD	ID	Grade	Wt/Ft	Connection	Top / Btm
/						

DF: DC: DD: SW: CL-RES: DW:

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End of Report.....

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MSD966

\*\*\* PRISM \*\*\*

Page 1

02/16/1991

DAILY DETAILED DRILLING REPORT

06:00

Lease: LAMBERT UT 1

Well #: 3

Well ID: 0025266

Field: HUGOTON

State: KS

County: STEVENS

API #: 15-189-21481-00

Ppty ID: 1336500

OCS #:

Contractor: EXTETER

Rig: 4

Water Depth: '

AFE Number: 1AFA

AFE Amount: 100 M Mobil GWI: 100.00 %

Supt: DH SMITH

Engineer: KA CARWILE

Date Started: 02/15/1991

Time Started: 06:00

Date Ended: 02/16/1991

Time Ended: 06:00 Job Type: Drilling

Drlg Days: 3

Est Drlg Days: Progress: 555'

Depth: 2,940'

Planned Depth: 2,940' Hole Size: 7.625"

TV Depth: 2,940'

Hole Angle: 0.00° Mud Weight: ppg

Last Csg: 8.625"

Set At: 819' Shoe Test: ppg

Formation Desc: COUNCIL GROVE

Present Operation: LOGGING

Code Z Hrs ----- OPERATIONS -----

940 1.75 DRILLING

940 0.25 RIG SERVICE

940 2.25 TOH; TIH

940 3.75 DRILLING

940 0.50 RIG SERVICE

940 7.50 DRILLING

940 0.50 DRILLING

940 0.25 RIG SERVICE

940 0.75 DRILLING

940 1.00 CIRC PRIOR TO LOG

940 1.50 TOH

940 0.50 CIRC AT 1500'

940 0.50 TOH

940 1.00 LOG WELL

310 2.00 LOGGING

Total: 24.00

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===== OPERATION SUMMARY =====

DRILLED TO 2940' (TD); RIG SERVICE; TOH; TIG; CIRC PRIOR TO LOGGING; LOG WELL

Next Period: LOGGING

===== REMARKS =====

-----

Daily Man Hours: 120 Total Man Hours : 320 P.O.B: 5/ 0/ 1/ 0 = 6

Personnel: E ALDREDGE Title: CONTRACT SUPV

=====  
===== COST =====

DRLG Dry Susp | (\$) Intangible Tangible Total Mud Trouble  
EST: 87 | Daily: 12055 0 12055 0 0  
(M\$) | Cumm: 38330 9864 48194 0 0

=====  
===== MUD =====

Sample Loc: \_ YP: \_ % Sand: \_ XsLime: \_  
Date: \_/ \_/ \_ Gels(10s/10m): \_/ \_ % LGS: \_ ES: \_  
Time: \_: \_ API/HTHP: \_./ \_ MBT: \_ O/W Ratio: \_/ \_  
FL Temp: \_ HTHP Temp: \_ PH: \_ ( ) Circ Vol: \_  
Depth: 99,999 Cake Thickness: \_ Pm: \_ Vol Hole Drl: 31  
Weight: 99.9 % Solids: \_ Pf/Mf: \_./ \_ Cent Hrs: \_  
Fnl Visc: \_ % Water: \_ Cl: \_ Dilu. Rate: \_  
PV: \_ % Oil: \_ Ca++: \_ LCM Conc: \_

Rhe'gy at: ° 600/ 300/ 200/ 100/ 60/ 30/ 6/ 3/

=====  
===== MUD CHEMICALS =====

=====  
===== BIT RECORD =====

Bit/Run Size Mfg/ Type Depth-In Footage Rot Hrs ROP Grade  
3/ 1 7.625 HTC/AT3110 1203 1242 14.00 88.7 8-8- -1-1- -  
4/ 1 7.625 HTC/ATJ22 2445 495 12.70 38.8 0-0- -G-0-0- -

=====  
===== HYDRAULICS =====

Pump# (1) (2) (3) Jet# (1) (2) (3) (4)  
Volume (BPS) Jet Size: 15 15  
SPM TFA: 0.3451  
Jet Vel:  
Hole ID: 7.625

Total SPM: AV's DC: DP:  
Total GPM: Bit Drop: ( % of SPP)  
Surf Pmp Press: Bit IF/Bit HHP: /

=====  
===== SURVEYS =====

MD Angle Azimuth TVD Vert Sect N+/S- E+/W- DLS°/100'  
0.00 0.00 0.00 0.00 0.00 0.00 0.00 TIE PT

=====  
===== WELL CONTROL =====

Pump # (1) (2) (3) Burst (70%): Background Gas:  
SPR Shoe Test: Connection Gas:  
PSI Kick Tolerance: Trip Gas :  
MW: Pore Pressure: BOP Test Date :  
MASP: ECD: at 2,940' With Bit at :  
BOP Test Comments:

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===== DRILLSTRING =====

Section OD ID Grade Wt/Ft Connection Length

----- Weights ----- -- Torques -- Cumulative Time On  
WOB: M Pick-Up : M On-TD : BHA :  
RPM: Slack-off : M Off-TD: Shock Sub:  
Off-TD Rotating: M Jars :

===== BHA =====

Overall Length: ' Overall Weight: M

BHA Description:

===== CASING =====

String OD ID Grade Wt/Ft Connection Top / Btm  
SURFACE 8.625 8.097 K-55 24.00 STC 0/ 819

DF: DC: DD: SW: CL-RES: DW:

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ORIGINAL

BIT RECORD

Bit/Run Size Mfg/ Type Depth-In Footage Rot Hrs ROP Grade
0/ 0 7.625 HTC/AT3110

HYDRAULICS

Pump# (1) (2) (3) Jet# (1) (2) (3) (4)
Volume (BPS) Jet Size: 14 14
SPM TFA: 0.3007
Jet Vel:
Hole ID: 7.625
Total SPM: AV's DC: DP:
Total GPM: Bit Drop: (% of SPP)
Surf Pmp Press: Bit IF/Bit HHP: /

SURVEYS

MD Angle Azimuth TVD Vert Sect N+/S- E+/W- DLS 1/2 / 100'
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 TIE PT

WELL CONTROL

Pump # (1) (2) (3) Burst (70%): Background Gas:
SPR Shoe Test: Connection Gas:
PSI Kick Tolerance: Trip Gas :
MW: Pore Pressure: BOP Test Date :
MASP: ECD: at 2,940' With Bit at :
BOP Test Comments:

DRILLSTRING

Section OD ID Grade Wt/Ft Connection Length

Weights -- Torques -- Cumulative Time 0
WOB: M Pick-Up : M On-TD : BHA :
RPM: Slack-off : M Off-TD: Shock Sub:
Off-TD Rotating: M Jars :

BHA

Overall Length: ' Overall Weight: M
BHA Description:

CASING

String OD ID Grade Wt/Ft Connection Top / Btm
SURFACE 8.625 8.097 K-55 24.00 STC 0/ 819
PRODUCTION 5.500 5.012 K-55 14.00 STC 0/ 2940

DF: DC : DD: SW: CL-RES: DW:

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Oil and Gas Division
Wichita, Kansas