

ORIGINAL

SIDE ONE

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

Operator: License # 5153

Name: Texaco Exploration & Production, Inc.

Address P. O. Box 2700

City/State/Zip Pampa, TX 79066-2700

Purchaser: Enron

Operator Contact Person: Mr. J. M. Barnum

Phone (806), 665-1876

Contractor: Name: Service Drilling

License: 03363

Wellsite Geologist: John Connor

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

1-21-91 2-3-91 2-19-91

Spud Date \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date \_\_\_\_\_

API NO. 15- 175-21160-0000

County Seward

NE SW SW Sec. 22 Twp. 31S Rge. 32  East West

1,012 Ft. North from Southeast Corner of Section

4,290 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

Lease Name R. M. Burnham Well # 22-2

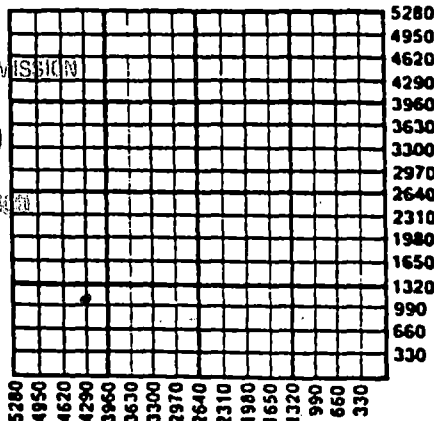
Field Name Thirty-one SW

Producing Formation Lower Morrow

Elevation: Ground 2,850 KB 2,861

Total Depth 5,802 PBDT 5,715

RECEIVED  
STATE CORPORATION COMMISSION  
MAR 25 1991  
3-25-91  
COMMUNICATIONS DIVISION



1705  
A 172

Amount of Surface Pipe Set and Cemented at 5,802 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 3,002 Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

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-4 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 J. M. Barnum

Title Area Manager Date 3/21/91

Subscribed and sworn to before me this 22 day of March, 19 91.

Notary Public N. Garrivene Reggsdale

Date Commission Expires 8-17-94

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)

P1

SIDE TWO

Operator Name Texaco, Inc. for Texaco Producing, Inc. Lease Name R. M. Burnham Well # 22-2

Sec. 22 Twp. 31S Rge. 32  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  Yes  No  
 (Attach Additional Sheets.)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy.)

Core 5,433' - 5,452'

Formation Description

Log  Sample

Name \_\_\_\_\_ Top \_\_\_\_\_ Bottom \_\_\_\_\_

See Attachment

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
Conductor	24"	20"	-	40'			
Surface	12-1/4"	8-5/8"	32.3	17705'	See attachment		
Production	7-7/8"	5-1/2"	17	5,802'	See attachment		

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4	5,527 - 5,541'	300 gals. 7-1/2%	5,558-5,575' MSR
4	5,558 - 5,562'	750 gals. 7-1/2%	5,527-5,575' MSR
4	5,570 - 5,575'	Frac w/50 O Foam	5,527-5,575'

TUBING RECORD Size 2-3/8" Set At 5,570' Packer At \_\_\_\_\_

Liner Run  Yes  No

Date of First Production 2-15-91 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

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

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 \_\_\_\_\_

ORIGINAL

R.M. BURNHAM 22-2  
API#15-175-21160  
SEC. 22-31S-32W  
SEWARD COUNTY, KANSAS

Surface Casing Cement: Dowell Schlumberger Invoice #03-12-3495  
710 sks. 35/65 Poz, 6% Gel, 2% CACL, and  
150 sks. Class C, 3% CACL. Cement 120'  
from surface, filled w/5yds. redi-mix.

Production Casing Cement: Dowell Schlumberger Invoice #03-12-3540  
Stage 1: 470 sks. 50/50 Poz, 2% Gel, 3%  
KCL.  
Stage 2: 390 sks. 35/65 Poz, 6% Gel, 1/4#  
Celloflake, and 50 sks. Class H, 2% CACL.

FORMATION DESCRIPTION

Wellington	2130	Topeka	3732
Hutchinson	2227	Heebner	4205
Hollenburg	2620	Toronto	4220
Herrington	2644	Lansing	4316
U. Krider	2656	Marmaton	4942
L. Krider	2673	Cherokee	5115
Winfield	2725	Atoka	5246
Towanda	2780	Morrow	5433
Wreford	2930	Chester	5604
Council Grove	3024	St. Gen	5714

RECEIVED  
STATE CORPORATION COMMISSION

MAR 25 1991

CONSERVATION DIVISION  
TOPEKA, KANSAS

ORIGINAL

Company: TEXACO USA  
 Well: R. M. BURNHAM UNIT NO. 22-2  
 Location: SEC. 22-T31S-R32W  
 County, State: Seward County, Kansas  
 Field: 31 Southwest  
 Formation: Upper Morrow

<u>Depth (Ft)</u>	<u>Description</u>
5433.0- 35.0	Sh carb
5435.0- 36.0	Ls v arg
5436.0- 38.0	Sh carb
5438.0- 41.0	Ls v arg
5441.0- 41.5	Ls gry vf xln sh lam
5441.5- 42.5	Sst lt gry vf gr arg slty
5442.5- 43.0	Sst lt gry vf gr arg slty
5443.0- 44.0	Sst tn-bu vf gr sli calc sh lam
5444.0- 45.0	Sst tn-bu vf gr sli calc sh lam
5445.0- 45.0	Sst tn-bu vf gr sli calc
5445.0- 45.5	Sst tn-bu vf gr sli calc ls lam
5446.0- 46.5	Sst tn-bu vf gr sli calc sh lam
5446.5- 47.0	Sst lt gry vf gr arg slty shly
5447.0- 47.5	Sst gry vf gr sh lam
5447.5- 50.0	Sh carb
5450.0- 51.0	Ls v arg
5451.0- 51.5	Sh carb
5451.5- 52.0	Core Loss

Core No. 1 Upper Morrow Fm. 5433.0-5452.0' Cut 19.0' Rec 18.5'

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 STATE CORPORATION COMMISSION

APR 11 1991

CONSERVATION DIVISION  
 Wichita, Kansas



DOWELL SCHLUMBERGER INCORPORATED

ORIGINAL

ORIGINAL REMIT TO: P.O. BOX 291556 HOUSTON TX 77216

INVOICE

0312

02/04/91

918974  
TEXACO INC 239382138  
ATTN: R E JOHNSON  
P O BOX 46510  
DENVER CO 80201

INVOICE NUMBER  
03-12-3540

CEMENTING  
CEMENT PRODUCTIO

ADDRESS	CITY	COUNTY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO/REF
MURKIN 22-2	KS	SEWARD	ULYSSES KS	DS	
SEC			02/03/91	RANDALL	

ITEM CODE	DESCRIPTION	UOM	QTY	UNIT PRICE	AMOUNT
102871060	CSNG CMNT 5501-6000' 1ST 8HR	8HR	1	1,485.0000	1,485.00
048016000	CEMENT PUMPER-PER ADDL STAGE	8HR	1	975.0000	975.00
049102000	TRANSPORTATION CMNT TON MILE	MI	1890	.8000	1,512.00
049100000	SERVICE CHG CEMENT MATL LAND	CFT	959	1.1500	1,102.85
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	125.0000	125.00
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	46	2.6500	121.90
040015000	D909, CEMENT CLASS H	CFT	539	7.2500	3,907.75
045008000	D35, LITEPOZ 3 EXTENDER	CFT	371	3.5000	1,298.50
045014050	D20, BENTONITE EXTENDER	LBS	2825	.1600	452.00
067005100	S1, CALCIUM CHLORIDE	LBS	94	.3400	31.96
101036050	D127, FLAC FLD LOSS ADD	LBS	296	6.0000	1,776.00
047002050	D46, ANTIFOAM	LBS	98	2.8500	279.30
044003025	D29, CELLOPHANE FLAKES	LBS	98	1.4500	142.10
067011000	M117, POTASSIUM CHLORIDE	LBS	675	.2500	168.75
100282000	D826, CHEMICAL WASH CM7	BBL	24	24.9000	597.60
	DISCOUNT - MATERIAL				3,028.89-
	DISCOUNT - SERVICE				1,862.61-
				SUB TOTAL --	9,084.21

M C STATE TAX ON  
M F C LOCAL TAX ON

5,625.07 239.07  
5,625.07 56.25

AMOUNT DUE -- 9,379.53

RECEIVED  
STATE CORPORATION COMMISSION

MAR 25 1991

CONSERVATION DIVISION  
Wichita, Kansas

WITH QUESTIONS CALL 316-356-1272  
FEDERAL TAX ID # 38-239-7173  
TERMS -- NET 30 DAYS DUE ON OR BEFORE MAR 06, 1991

THANK YOU. WE APPRECIATE YOUR BUSINESS.

*Russell A Adamiak*  
for: G A KOLSTAD

**ORIGINAL**

OILFIELD SERVICES   
 INDUSTRIAL SERVICES

DSI SERVICE ORDER RECEIPT AND INVOICE NO.  
**3540**

DSI SERVICE LOCATION NAME AND NUMBER  
**Ulysses KS 0312**

CUSTOMER NUMBER **918974**  
 CUSTOMER P.O. NUMBER

TYPE SERVICE CODE **285**  
 BUSINESS CODES

CUSTOMER'S NAME **TEXACO F&O, Inc.**  
 ADDRESS **PO BOX 41250**  
 CITY, STATE AND ZIP CODE **DENVER, CO 80201**

WORKOVER  NEW WELL  OTHER   
 API OR IC NUMBER

ARRIVE LOCATION **MO. 2 DAY 3 YR. 91 TIME 1430**

**SERVICE ORDER RECEIPT**  
 I certify that the materials and services listed were authorized and received and all services performed in a workmanlike manner and that I have the authority to accept and execute this document.

RECEIVED  
 STATE COMMISSION

**MAR 25 1991**

JOB COMPLETION **MO. 2 DAY 4 YR. 91 TIME 0725**

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE  
*Carroll K. Mai*

STATE **KANSAS** CODE **Seward** COUNTY/PARISH **Seward** CODE **41** CITY **Ulysses** CONSERVATION DISTRICT **Ulysses**

WELL NAME AND NUMBER / JOB SITE **Burnham #22-2** LOCATION AND POOL / PLANT ADDRESS **Heaton** SHIPPED VIA **D.S.**

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
102871 - 060	Pump Trk cng	EA	1	1185.00	1185.00
048016 - 000	Additional spec	EA	1	975.00	975.00
049102 - 000	Deliver ch	EA	1	1886.80	1886.80
049100 - 000	Service cng	EA	939	1.15	1102.85
049497 - 000	PNR	EA	1	125.00	125.00
049200 - 002	Milage	mi	460	2.65	1219.00
040015 - 000	Class H unit	EA	539	7.25	3907.75
045008 - 000	Lite doz 3	EA	371	3.50	1298.50
045014 - 000	200 Gall	EA	2826	2825.16	442.76
046705 - 100	SI cng	EA	941	.34	33.84
101036 - 050	D127 line	EA	294	6.00	1776.00
047002 - 050	246 Antifonn	EA	79	2.85	225.15
041003 - 025	R29 Colloidal	EA	98	1.45	142.10
047011 - 000	M117 K&I	EA	626	25.25	15807.50
100282 - 000	Cw7 wapon	EA	24	24.90	597.60
046704 - 054	Tap rubber	EA	1	105.00	N/A
<b>Field Cot. # 13,975.71</b>					
<b>13,922.15</b>					
<b>9049.39 - Total</b>					
<b>SUB TOTAL</b>					<b>9084.21</b>

**4891.50**

LICENSE/REIMBURSEMENT FEE  
 LICENSE/REIMBURSEMENT FEE

REMARKS: **THANK YOU FOR USING SCHLUMBERGER**  
 STATE % TAX ON \$ **5625.07**  
 COUNTY % TAX ON \$ **239.07**  
 CITY % TAX ON \$ **56.25**  
 SIGNATURE OF DSI REPRESENTATIVE **Greg Clark**  
 TOTAL \$ **9379.53**



# SERVICE ORDER

ORIGINAL  
1165325 K3

PERSON TAKING CALL: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_ DS LOCATION: \_\_\_\_\_ TREATMENT NUMBER: 0312-3546

DS 838-A  
CUSTOMER: **Texaco** ORDERED BY: **Randy Mac** TELEPHONE: \_\_\_\_\_ MOBILE: \_\_\_\_\_  
TYPE JOB: **5'E-4/S** JOB DATE: **2-3-91** TIME: ON LOC PUMP CUSTOMER REP: ON LOCATION TELEPHONE: \_\_\_\_\_ MOBILE: \_\_\_\_\_

WELL NAME & NUMBER: **Barnham #22-2** REWORK:  LOCATION: **522-315-324** POOL/FIELD: \_\_\_\_\_ COUNTY/PARISH: **Seward**  
CONTRACTOR ON SITE: **Service #3** DS SALES REPRESENTATIVE: \_\_\_\_\_ CUSTOMER ORDER NUMBER: \_\_\_\_\_ STATE: **Ks**

TUBING/DP: \_\_\_\_\_ SIZE: \_\_\_\_\_ DEPTH MD / TVD: \_\_\_\_\_ WT: \_\_\_\_\_ THREAD: \_\_\_\_\_ TREATMENT VIA: \_\_\_\_\_ PACKER/RETAINER: \_\_\_\_\_  
CASING: **5 1/2** ~ **5800** **17"** **8"** TUBING/DP: \_\_\_\_\_ CSG: \_\_\_\_\_ ANN: \_\_\_\_\_ TYPE: \_\_\_\_\_ DEPTH: \_\_\_\_\_  
LINER: \_\_\_\_\_ SERVICE INSTRUCTIONS: **1-Top Rubber Plug**  
OPEN HOLE: **7 7/8** BHST: \_\_\_\_\_ BHCT: \_\_\_\_\_

PERFORATED INTERVALS								FORMATION:	
TOP	TO	BOTTOM	NO. OF HOLES	TOP	TO	BOTTOM	NO. OF HOLES		
	TO				TO			REQUIRED RATE/PRESS.	
	TO				TO			HYDRAULIC HORSEPOWER ORDERED:	
	TO				TO			<b>L406/DC8</b>	
	TO				TO			MAX PSI ALLOWABLE:	

DIAMETER OF PERFORATIONS = \_\_\_\_\_  
WELLHEAD CONN: **5 1/2 - H.S.M**  
SPECIAL INSTRUCTIONS/EQUIPMENT: **Run CW7 - 1000 gals (24 BBLs)**

SYSTEM DESCRIPTION:  
System 1 **1<sup>st</sup> Stage** : 470 sx **5 5/8 (Poz/H) + 2% D20 + 0.75% D127 + 0.2% D46 + 3% M117 (KCL)** (14.2) (1.26) (5.75)  
System 2 **(Circulate for 4 hrs)**  
System 3 **2<sup>nd</sup> Stage** : Lead : 390 sx **3 5/8 (Poz/H) + 6% D20 + 1/4 1/2 sx D29** (13.1) (0.69) (8.69)  
System 4 **2<sup>nd</sup> Stage** : Tail : 50 sx **Class H + 2% ST** (15.6) (1.18) (5.20)

Additional Materials: \_\_\_\_\_  
Directions: **WKS. East on 25 to Hwy 83 Junction - South on Hwy 83 to Sablette - Cont. South for 7mi to Hwy 83/190 Intersection - Cont. 3mi. South on Hwy 83 - 4mi East - North into**

RECEIVED  
STATE CORPORATION COMMISSION  
MAR 25 1001  
COMM. WATER DIVISION  
Topeka, Kansas



DU... INCORPORATED

ORIGINAL

REMIT TO: P O BOX 201556  
HOUSTON TX 77216

# INVOICE

0312

01/23/91

918974  
TEXACO INC 239382138  
ATTN: R E JOHNSON  
P O BOX 46510  
DENVER CO 80201

PAGE

1

INVOICE NUMBER

03-12-3495

TYPE SERVICE

CEMENTING  
CEMENT SURFACE C

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO / REF
BURNHAM 22-2	KS	SEWARD	ULYSSES KS	DS	
LOCATION / PHONE ADDRESS	DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE			
SEC	01/23/91	RANDALL HAI			

ITEM CODE	DESCRIPTION	UOM	QTY	UNIT PRICE	AMOUNT
102871020	CSNG CMNT 1501-2000' 1ST 8HR	8HR	1	1,000.0000	1,000.00
049102000	TRANSPORTATION CMNT TON MILE	MI	1833	.8000	1,466.40
049100000	SERVICE CHG CEMENT MATL LAND	CFT	955	1.1500	1,098.25
059697000	PACR TREAT ANALYSIS-RECORDER	JOB	1	125.0000	125.00
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	45	2.6500	119.25
040003000	D903, CEMENT CLASS C	CFT	612	7.7500	4,743.00
045008000	D35, LITEPOZ 3 EXTENDER	CFT	248	3.5000	868.00
045014050	D20, BENTONITE EXTENDER	LBS	3706	.1600	592.96
067005100	S1, CALCIUM CHLORIDE	LBS	1658	.3400	563.72
044003025	D29, CELLOPHANE FLAKES	LBS	215	1.4500	311.75
050001005	SHOE REG PTTN GUIDE 8-5/8"	EA	1	215.0000	215.00
053003005	INSERT ORIFICE FILL 8-5/8"	EA	1	320.0000	320.00
056011005	CENTR REG 8-5/8, B DIA 12"	EA	11	72.0000	792.00
056704005	PLUG CEMG 8-5/8" TOP AL CORE	EA	1	150.0000	150.00
	DISCOUNT - MATERIAL				2,823.63-
	DISCOUNT - SERVICE				1,256.93-
				SUB TOTAL --	8,284.77
M C	STATE TAX ON			5,732.80	243.65
M F C	LOCAL TAX ON			5,732.80	57.33
				AMOUNT DUE --	8,585.75

RECEIVED  
STATE CORPORATION COMMISSION

MAR 25 1991

CONSERVATION DIVISION  
Wichita, Kansas

WITH QUESTIONS CALL 316-356-1272  
FEDERAL TAX ID # 38-239-7173  
TERMS -- NET 30 DAYS DUE ON OR BEFORE FEB 22, 1991

THANK YOU. WE APPRECIATE YOUR BUSINESS.

*Gary A. Kulstad*  
G A KULSTAD



JEM.

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

STAGE DS DISTRICT WYLUSSKS KS DATE 2/23/91

WELL NAME AND NO. Buchanan # 22-2 LOCATION (LEGAL) 522-315-32W FIELD-POOL Houston COUNTRY/PARISH Seward STATE KANSAS API. NO. NAME TEXACO Prod. Inc. AND ADDRESS Denver ZIP CODE

RIG NAME: Service # 3 WELL DATA: BIT SIZE 7 7/8 CSG/Liner Size 5 1/2 TOTAL DEPTH 17 WEIGHT 17 FOOTAGE 5825 MUD TYPE GRADE GRADE MUD DENSITY 110 LESS FOOTAGE SHOE JOINT(S) 110 MUD VISC. 5715 Disp. Capacity 132.6/69.6

SPECIAL INSTRUCTIONS: Provide materials + services to cmt 2 stage production stride IS CASING/TUBING SECURED? YES NO LIFT PRESSURE 4170 PSI CASING WEIGHT + SURFACE AREA (3.14 x R^2) PRESSURE LIMIT 100 PSI BUMP PLUG TO 1500/1800 PSI ROTATE RPM RECIPROCATATE FT No. of Centralizers

NOTE: Include Footage From Ground Level To Head In Disp. Capacity Head & Plugs TBG D.P. SQUEEZE JOB TOOL TYPE DEPTH TAIL PIPE: SIZE DEPTH TUBING VOLUME Bbls CASING VOL. BELOW TOOL Bbls TOTAL Bbls ANNUAL VOLUME Bbls

Table with columns: TIME, PRESSURE (TBG OR D.P., CASING), VOLUME PUMPED BBL (INCREMENT, CUM), JOB SCHEDULED FOR TIME: 1500 DATE: 2/23/91, ARRIVE ON LOCATION TIME: 1430 DATE: 2/23/91, LEFT LOCATION TIME: 0815 DATE: 2/23/91

Service Log Detail table with columns: TIME, PRESSURE, VOLUME PUMPED BBL, INJECT RATE, FLUID TYPE, FLUID DENSITY, SERVICE LOG DETAIL (e.g., PRE-JOB SAFETY MEETING, mud flush + H2O ahead, start cmt surge, shut down wash line, start displacement, lower pump rate, bump plug, release psi, open stage collar, start ahead, start lead cmt, start tail cmt, shut down wash line, start displacement, lower pump rate, bump plug, release psi)

REMARKS 07:25 Job done

Table with columns: SYSTEM CODE, NO. OF SACKS, YIELD CU. FT/SK, COMPOSITION OF CEMENTING SYSTEMS, SLURRY MIXED BBLs, DENSITY

BREAKDOWN FLUID TYPE, VOLUME, DENSITY, PRESSURE, MAX. 1800 MIN. 0, HESITATION SQ., RUNNING SQ., CIRCULATION LOST, DISPLACEMENT VOL. 132.6/69.6 Bbls, MEASURED DISPLACEMENT, PERFORATIONS, CUSTOMER REPRESENTATIVE Randall M... SUPERVISOR Aug Black



# SERVICE ORDER

DS-838-A  
 CUSTOMER: **TEXACO**  
 PERSON TAKING CALL: **WATSON, AL** | DATE/TIME: \_\_\_\_\_ | DS LOCATION: **Clayton, KS** | TREATMENT NUMBER: **0312-3495**  
 ORDERED BY: **RANDALL MAE** | TELEPHONE: \_\_\_\_\_ | MOBILE: \_\_\_\_\_  
 ORIGINAL  
 TYPE JOB: **8-5/8 - SEP.** | JOB DATE: **1-23-91** | TIME ON LOC: \_\_\_\_\_ | PUMP: \_\_\_\_\_ | CUSTOMER REP ON LOCATION: **RANDALL MAE** | TELEPHONE: \_\_\_\_\_ | MOBILE: \_\_\_\_\_  
 WELL NAME & NUMBER: **BURNHAM #22-2** | REWORK: **NEW** | LOCATION: \_\_\_\_\_ | POOL/FIELD: \_\_\_\_\_ | COUNTY/PARISH: **SEWARD**  
 CONTRACTOR ON SITE: \_\_\_\_\_ | DS SALES REPRESENTATIVE: **WATSON** | CUSTOMER ORDER NUMBER: **VEGAN** | STATE: **KS**

TUBING/DP:	SIZE	DEPTH MD / TVD	WT	THREAD	TREATMENT VIA: <b>CSG</b> ANN:	PACKER/RETAINER	DEPTH:
CASING:	<b>8 5/8</b>	<b>~1700'</b>	<b>24 #</b>	<b>860</b>			
LINER:							
OPEN HOLE:	<b>12 1/4</b>						

PERFORATED INTERVALS								FORMATION:	
TOP	TO	BOTTOM	NO. OF HOLES	TOP	TO	BOTTOM	NO. OF HOLES	REQUIRED RATE/PRESS.	HYDRAULIC HORSEPOWER ORDERED:
	TO				TO				
	TO				TO				
	TO				TO				
	TO				TO				

DIAMETER OF PERFORATIONS = \_\_\_\_\_  
 WELLHEAD CONN: **8 5/8 - H.S. CM**  
 SPECIAL INSTRUCTIONS/EQUIPMENT: \_\_\_\_\_

1 - Top Rubber Plug  
 1 - 8 5/8 Guide Shoe (TEXAS PAT)  
 1 - 8 5/8 Flapper Foot Insert  
 13 - 8 5/8 Centralizers

45 mi

SYSTEM DESCRIPTION:

System 1 LEAD: **710 SX 35/65 + 6% D20 + 2% S1 + 1/4 #15x D29**  
 (13.1 PPG) (1.69 ft<sup>3</sup>/SX) (8.69 gal/SX)

System 2 TAIL: **150 SX Class C + 3% S1 + 1/4 #15x D29**  
 (14.8 PPG) (1.32 ft<sup>3</sup>/SX) (6.32 gal/SX)

System 3 \_\_\_\_\_

System 4 \_\_\_\_\_

RECEIVED  
 STATE CORPORATION COMMISSION  
 MAR 25 1991  
 CONSERVATION DIVISION  
 Wichita, Kansas

Additional Materials: \_\_\_\_\_

Directions: **UKS - EAST ON 25 to HW 83 junction - SOUTH ON HW 83 TO SUBLETE - CONTINUE SOUTH TO THE HW 83 - 190 INTERSECTION - CONTINUE 3 mi SOUTH ON HW 83 - 4 mi EAST - NORTH INTO.**

CEMENTING SERVICE REPORT

ORIGINAL  
DOWELL SCHLUMBERGER INCORPORATED

STAGE NUMBER 0510-344-1102/11  
DISTRICT DS OLYMPIA KS

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO. **Burnham # 22-2**  
 LOCATION (LEGAL) \_\_\_\_\_  
 FIELD-POOL **Huaton**  
 FORMATION \_\_\_\_\_  
 COUNTY/PARISH **Seward** STATE **KANSAS** API. NO. \_\_\_\_\_  
 NAME **TEXCO Prod. Trk**  
 AND \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 ZIP CODE \_\_\_\_\_

RIG NAME: **Service # 3**  
 WELL DATA: BIT SIZE **12 1/4** CSG/Liner Size **8 3/8**  
 TOTAL DEPTH **1705** WEIGHT **32**  
 ROT  CABLE FOOTAGE **1708**  
 MUD TYPE \_\_\_\_\_ GRADE \_\_\_\_\_  
 BHST  BHCT THREAD **8 1/2**  
 MUD DENSITY \_\_\_\_\_ LESS FOOTAGE SHOE JOINT(S) **93** TOTAL  
 MUD VISC. \_\_\_\_\_ Disp. Capacity **1615**

SPECIAL INSTRUCTIONS  
**Provide Materials + Services to snflly  
 Cmt 8 3/8 Surface Casing**  
 IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE **936** PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>)  
 PRESSURE LIMIT **200** PSI BUMP PLUG TO **1000** PSI  
 ROTATE \_\_\_\_\_ RPM RECIPROCATATE **10** FT No. of Centralizers **11**

NOTE: Include Footage From Ground Level To Head In Disp. Capacity  
 Float TYPE **Small Pipe Joice** TYPE \_\_\_\_\_  
 DEPTH **1615** DEPTH \_\_\_\_\_  
 SHOE TYPE **Tr. Plug** TYPE \_\_\_\_\_  
 DEPTH **1708** 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 \_\_\_\_\_ Bbl:  
 TOP  OR  W  NEW  USED CASING VOL. BELOW TOOL \_\_\_\_\_ Bbl:  
 BOT  OR  W DEPTH TOTAL \_\_\_\_\_ Bbl:  
 ANNUAL VOLUME \_\_\_\_\_ Bbl:

ARRIVE ON LOCATION TIME: **0815** DATE: **1/23/91** LEFT LOCATION TIME: **1600** DATE: **1/23/91**

TIME	PRESSURE		VOLUME PUMPED bbl		JOB SCHEDULED FOR TIME: <b>ASAP</b> DATE: <b>1/23/91</b>			ARRIVE ON LOCATION TIME: <b>0815</b> DATE: <b>1/23/91</b>		LEFT LOCATION TIME: <b>1600</b> DATE: <b>1/23/91</b>	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL			
13:55	200	NA	1	-	1	160	8.33	PRE-JOB SAFETY MEETING			
13:57	NA	20	30	-	5.1	160	8.33	psi Test Line			
14:04		160	214	-	6.1	Cmt	13.1	H <sub>2</sub> O Ahead			
						Cmt	14.8	Start dead cmt			
14:51		100	-	-	-	-	-	Start Tail Cmt			
14:53		70	98.3	-	5.9	160	8.33	Shut Down, Drop plug			
15:07		330	-	-	2.3	160	8.33	Start Displacement			
15:26		100	-	-	1.5	160	8.33	Lower pump rate			
15:22		350	-	-	-	-	-	Bump plug			
15:23								Release test			
								300 Done			

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REMARKS \_\_\_\_\_

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS					SLURRY MIXED	
								BBLs	DENSITY
1.	710	1.69	57% C	6% D20	2% SI	1/4" 1SK D29	213.7	13.	
2.	100	1.32	CLASS C	3% SI	1/4" 1SK D89		35.3	14.0	
3.									
4.									
5.									
6.									

BREAKDOWN FLUID TYPE \_\_\_\_\_ VOLUME \_\_\_\_\_ DENSITY \_\_\_\_\_ PRESSURE \_\_\_\_\_ MAX. \_\_\_\_\_ MIN. \_\_\_\_\_  
 HESITATION SQ.  RUNNING SQ. CIRCULATION LOST  YES  NO Cement Circulated To Surf.  YES  NO Bbl:  
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. Bbls TYPE OF WELL  OIL  STORAGE  BRINE WATER  
 Washed Thru Perfs  YES  NO TO FT. MEASURED DISPLACEMENT  WIRELINE  GAS  INJECTION  WILDCAT  
 PERFORATIONS \_\_\_\_\_ CUSTOMER REPRESENTATIVE **Randall MA** DS SUPERVISOR **Alisa Black**



ORIGINAL

FIELD OR DIST.		COUNTY			STATE			WIRE LINE RECORD		REEL NO.
LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	SIZE	NO. LINES	FT. SLIPPED
								FT. CUT OFF		PRESENT LENGTH
	TON MI. OR TRIPS SINCE LAST CUT									
	CUMULATIVE TON MI. OR TRIPS									

FOOTAGE		DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCS PAPER P COMB C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
				Move Rig + Rig up

DRILLER

FOOTAGE		DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCS PAPER P COMB C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
7:00	7:02	12	1	Move Rig

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DRILLER *Charles...*

FOOTAGE		DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCS PAPER P COMB C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
3:00	11:00	8		Pump water Mix Gel Rig up

DRILLER *...*

LOGGING REPORT FORM



# ORIGINAL

FIELD OR DIST.		COUNTY			STATE			WIRE LINE RECORD		REEL NO.
LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	SIZE	NO. LINES	FT. SLIPPED
								FT. CUT OFF	PRESENT LENGTH	
	TON MI. OR TRIPS SINCE LAST CUT									
	CUMULATIVE TON MI. OR TRIPS									

FOOTAGE		DR..D RM-R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.		PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.
40	188										

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
11:00	11:15	1/4		Drilling
11:15	2:15	3		Repair
2:15	2:00	4 3/4		Drilling

Sub 11:00 PM

DRILLER *Denny G. Baker*

FOOTAGE		DR..D RM-R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO. 1		PUMP NO. 2	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.
188	470	D			140	111	700	5 1/8	70	5 1/2	60

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	470	H							

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
7:00	8:00	1		Go through Pump
8:00	9:00	1		Put Sacks Around Condpipe
9:00	9:30	1/2		POOH
9:30	10:00	1/2		Stuff Sack Around Condpipe
10:00	10:15	1/4		T.H.
10:15	1:30	3 1/4		DRILL
1:30	2:45	1 1/4		Jet #1 - Stuff Sacks Around Condpipe
2:45	3:00	1/4		DRILL

DRILLER *Charles Brown*

FOOTAGE		DR..D RM-R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.		PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.
470	1106	D			140	40	700	5 1/8	90	5 1/2	S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1106	H							

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
3:00	8:45	5 3/4	2	DRIG
8:45	9:15	1/2	8	Repair hose
9:15	11:00	1 3/4	2	DRIG

DRILLER *Agustin Hernandez*





ORIGINAL

ELD OR DIST.		COUNTY			STATE			WIRE LINE RECORD		REEL NO.	
		Seward			Ks.			SIZE 1 1/8		NO. LINES 8	
LAST CASING TUBING OR LINER		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	FT. CUT OFF		PRESENT LENGTH
		TON MI. OR TRIPS SINCE LAST CUT									
		CUMULATIVE TON MI. OR TRIPS									

FOOTAGE		DR. D RM-R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SC. S. PAPER P. COMPLET
106	1600				140	40	700	5 1/2	70	5 1/2	-	

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
1:00	2:30	3 1/2	2	Drig
2:30	3:00	1/2	7-8	Service Rig + Replace rod oiler pump Tail pump
3:00	7:00	4	2	Drig

31 Diesel						66%		DRILLER Dewey G. Ober	
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FOOTAGE		DR. D RM-R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SC. S. PAPER P. COMPLET
1600	1705'	0			140	40	700	5 1/2	70	5 1/2	-	S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	170	7							

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
0:00	7:45	3/4	2	DRIG
0:45	8:45	1	5	Circ
8:45	10:15	1 1/2	6	POOH
0:15	3:00	4 3/4		Rigup Casings Run 8 5/8" - Cement

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FOOTAGE		DR. D RM-R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SC. S. PAPER P. COMPLET

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
3:00	3:30	1/2		Cement
3:30	11:00	7 1/2		WOC

Run 38 joints 8 5/8 32" casing set at 1700'  
Cement w/OS 7105X 35/65 6% Gel 270cc  
1505X class C. 3% CC  
Plug down 3:30 PM  
1-23-91

						DRILLER		Agnes H. ...	
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LOGGING REPORT FORM



MAR 25 1991

ELD OR DIST.		COUNTY <b>Seward</b>			STATE <b>Ks</b>			WIRE LINE RECORD		REEL NO.	CONSERVATION
LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	SIZE <b>1 7/8</b>	NO. LINES <b>8</b>	FT. SLIPPED	
	<b>8 5/8</b>		<b>32</b>	<b>38</b>			<b>1702</b>	FT. CUT OFF		PRESENT LENGTH	
							TON MI. OR TRIPS SINCE LAST CUT		CUMULATIVE TON MI. OR TRIPS		

FOOTAGE		DR. D RM-R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
<b>11:00</b>	<b>7:00</b>	<b>8</b>	<b>14</b>	<b>WIPPLE UP BOP</b>

DRILLER **Danny Hilkey**

FOOTAGE		DR. D RM-R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
<b>1705</b>												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
<b>7:00</b>	<b>12:00</b>	<b>5</b>		<b>Mopple up</b>
<b>12:00</b>	<b>1:00</b>	<b>1</b>		<b>TIH</b>
<b>1:00</b>	<b>2:45</b>	<b>1 3/4</b>		<b>Test BOP</b>
<b>2:45</b>	<b>3:00</b>	<b>1/4</b>		<b>TIH</b>

**Test Blind Rams @ 3000psi @ 15 min**  
**Test Pipe Rams @ 3000psi @ Upper-Lower Kelly Costs 1/2 hr**

DRILLER **1786#2 Dan Charles**

FOOTAGE		DR. D RM-R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
<b>1905</b>	<b>1940</b>	<b>0</b>		<b>SAND</b>	<b>80</b>	<b>40</b>	<b>1200</b>	<b>5/2</b>	<b>70</b>	<b>5/2</b>	<b>5</b>	<b>5</b>

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
<b>3:00</b>	<b>5:30</b>	<b>2 1/2</b>		<b>PRLG Cement</b>
<b>5:30</b>	<b>9:15</b>	<b>3 3/4</b>	<b>2</b>	<b>PRLG</b>
<b>9:15</b>	<b>9:45</b>	<b>3/4</b>		<b>Repair pop off valve Tail pump</b>
<b>9:45</b>	<b>11:00</b>	<b>1 1/4</b>	<b>2</b>	<b>PRLG</b>

DRILLER **Dennis Hermsdorf**

LEASE <b>R M Burnham</b>	WELL NO. <b>22-2</b>	API WELL NUMBER <b>22-2</b>	STATE COMMISSION RECEIVED <b>MAR 25 1991</b>	DATE <b>1-25-91</b>
OPERATOR <b>Texas</b>	CONTRACTOR <b>James H. Tucker</b>		RIG NO. <b>3</b>	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <b>Samuel P. Min</b>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <b>James H. Tucker</b>		
D.P. SIZE <b>4 1/2</b>	WT./FT. <b>1660</b>	GRADE <b>E</b>	TOOL JT O.D. <b>6 1/4</b>	TYPE THREAD <b>XH</b>
STRING NO. <b>1</b>	PUMP NO. <b>1</b>	PUMP MANUFACTURER <b>Amerman</b>		STROKE LENGTH <b>14"</b>
				<b>14000</b>

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD										
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC.-SEC.	PV/YP	GELS	WL -CC'S	pH	SOLIDS %	
1	RIG UP AND TEAR DOWN						2	7 7/8	11:00	W	W	W						
2	DRILL - ACTUAL	7/4		7/4	STB RMR OD	FT.	IADC CODE											
3	REAMING				D.C. ID OD	FT.	MFG.	WMC										
4	CORING				STB RMR OD	FT.	TYPE	SIHF										
5	CONDITION MUD & CIRCULATE				D.C. ID OD	FT.	SER. NO.	N55124										
6	TRIPS				STB RMR OD	FT.	JETS 1/32" /IFA in <sup>2</sup>	3/12										
7	LUBRICATE RIG						DEPTH OUT											
8	REPAIR RIG	1/4					DEPTH IN	1705										
9	CUT OFF DRILLING LINE				STANDS DP	FT.	TOTAL FTG.											
10	DEVIATION SURVEY				SINGLES DP	FT.	TOTAL HRS.	16 3/4										
11	WIRE LINE LOGS				KELLY DOWN	FT.	CUT. STRUC.											
12	RUN CASING & CEMENT				TOTAL	FT.	I O D L											
13	WAIT ON CEMENT				WT. OF STRING	LBS.	B G O R											
14	NIPPLE UP B.O.P.						GPM/PUMP-PSI											
15	TEST B.O.P.																	
16	DRILL STEM TEST																	
17	PLUG BACK																	
18	SQUEEZE CEMENT																	
19	FISHING																	
20	DIR. WORK																	
21	Jet	1/2		1/4														
22																		
23																		

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD										
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC.-SEC.	PV/YP	GELS	WL -CC'S	pH	SOLIDS %	
15	TEST B.O.P.						2	7 7/8										
16	DRILL STEM TEST				STB RMR OD	FT.	IADC CODE											
17	PLUG BACK				D.C. ID OD	FT.	MFG.	WMC										
18	SQUEEZE CEMENT				STB RMR OD	FT.	TYPE	SIHF										
19	FISHING				D.C. ID OD	FT.	SER. NO.	N55124										
20	DIR. WORK				STB RMR OD	FT.	JETS 1/32" /IFA in <sup>2</sup>	3/12										
21	Jet	1/2		1/4			DEPTH OUT											
22							DEPTH IN	1705										
23					STANDS DP	FT.	TOTAL FTG.											
					SINGLES DP	FT.	TOTAL HRS.	23 1/4										
					KELLY DOWN	FT.	CUT. STRUC.											
					TOTAL	FT.	I O D L											
					WT. OF STRING	LBS.	B G O R											
							GPM/PUMP-PSI											

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD										
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC.-SEC.	PV/YP	GELS	WL -CC'S	pH	SOLIDS %	
15	TEST B.O.P.						2	7 7/8										
16	DRILL STEM TEST				STB RMR OD	FT.	IADC CODE											
17	PLUG BACK				D.C. ID OD	FT.	MFG.	WMC										
18	SQUEEZE CEMENT				STB RMR OD	FT.	TYPE	SIHF										
19	FISHING				D.C. ID OD	FT.	SER. NO.	N55124										
20	DIR. WORK				STB RMR OD	FT.	JETS 1/32" /IFA in <sup>2</sup>	3/12										
21	Jet	1/2		1/4			DEPTH OUT											
22							DEPTH IN	1705										
23					STANDS DP	FT.	TOTAL FTG.											
					SINGLES DP	FT.	TOTAL HRS.	30 3/4										
					KELLY DOWN	FT.	CUT. STRUC.											
					TOTAL	FT.	I O D L											
					WT. OF STRING	LBS.	B G O R											
							GPM/PUMP-PSI											

ORIGINAL

MAR 25 1901

LD OR DIST.		COUNTY		STATE		WIRE LINE RECORD		REEL NO.		CONSERVATION DIVISION	
		Seward		OKLA.		SIZE 1 1/8		NO. LINES 8		FT. SKIPPED 38583	
LAST CASING TUBING OR LINER		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	FT. CUT OFF		PRESENT LENGTH
		8 5/8		32#	38			1702			
								TON MI. OR TRIPS SINCE LAST CUT			
								CUMULATIVE TON MI. OR TRIPS			

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCALES PARCEL P COMECC
1946	2240				80	40	1200	5 1/2	70	5 1/2	-	

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
4:00	1:00	2	2	DRIG
1:00	1:30	1/2	21.7	Jet #1+2 service rig
1:30	5:15	3 3/4	2	DRIG
5:15	5:30	1/4	8	replace cap cocket.
5:30	7:00	1 1/2	2	DRIG

55 diaal 63%

DRILLER Danny Miller

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCALES PARCEL P COMECC
2240	2470	D			80	45	1200	5 1/2	70	5 1/2	-	S

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
7:00	7:30	1/2	2	DRIG
7:30	7:45	1/4	21.7	Jet #1 - Service Rig
7:45	11:45	4	2	DRIG
11:45	12:00	1/4	21	Jet 1-2
12:00	1:45	13/4	2	DRIG
1:45	2:45	1 1/4	8	replace swivel packing
2:45	3:00	1/4	2	DRIG

DRILLER Charles Danner

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCALES PARCEL P COMECC
2470	2741	D		Shale	80	45	1200	5 1/2	70	5 1/2	-	S

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
3:00	7:30	4 1/2	2	DRIG
7:30	7:45	1/4	217	Jet 1+3# - SERVICE RIG
7:45	8:45	1 1/4	2	DRIG
8:45	9:00	1/4	10	Survey 2655
9:00	11:00	2	2	DRIG

DRILLER Agnacia Harner

LEASE <i>R.M. Bushman</i>	WELL NO. <i>22-2</i>	API WELL NUMBER <i>ORIGINAL</i>	DATE <i>MAR 25 1991</i>
OPERATOR <i>Texaco</i>	CONTRACTOR <i>GENERAL DRILLING DIVISION</i>		RIG NO. <i>3</i>
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>Sandra P. ...</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>James ...</i>	
D.P. SIZE <i>4 1/2</i>	WT./FT. <i>1660</i>	GRADE <i>E</i>	TOOL JT Q.D. <i>6 1/4</i>
TYPE THREAD <i>XH</i>	STRING NO. <i>1</i>	PUMP NO. <i>1</i>	PUMP MANUFACTURER <i>Amerman</i>
			TYPE <i>CA-550</i>
			STROKE LENGTH <i>14</i>

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (At end of tour)				BIT RECORD				MUD RECORD																									
CODE NO.	OPERATION	MORN.	DAY	EVE.	NO.	BIT	FT.	BIT NO.	SIZE	IADC CODE	MFG.	TYPE	SER. NO.	JETS	DEPTH OUT	DEPTH IN	TOTAL FTG.	TOTAL HRS.	CUT. STRUC.	WT. OF STRING	LBS.	GPM/PUMP-PSI	TIME	WEIGHT	PRESSURE GRADIENT	VISC.-SEC.	PV/YP	GELS.	WL.-CC'S	pH	SOLIDS %	MUD & CHEMICALS ADDED					
1	RIG UP AND TEAR DOWN							2	7 7/8		WMC	SIHF	N55124	3/12		1705		33 1/4			87,000			11:00	10 <sup>2</sup>		39						LCM 0 2#				
2	DRILL ACTUAL																							3:00	10 <sup>2</sup>		32						2#				
3	REAMING																																				
4	CORING																																				
5	CONDITION MUD & CIRCULATE																																				
6	TRIPS																																				
7	LUBRICATE RIG																																				
8	REPAIR RIG																																				
9	CUT OFF DRILLING LINE																																				
10	DEVIATION SURVEY																																				
11	WIRE LINE LOGS																																				
12	RUN CASING & CEMENT																																				
13	WAIT ON CEMENT																																				
14	NIPPLE UP B.O.P.																																				
15	TEST B.O.P.																																				
16	DRILL STEM TEST																																				
17	PLUG BACK																																				
18	SQUEEZE CEMENT																																				
19	FISHING																																				
20	DIR. WORK																																				
21	Jet																																				
22																																					
23																																					
COMPLETION				DRILLING ASSEMBLY (At end of tour)				BIT RECORD				MUD RECORD																									
A	PERF'TN																																				
B	TBG TRIPS																																				
C	TREATING																																				
D	SWABBING																																				
E	TESTING																																				
F	ADDIT'L																																				
G																																					
TOTALS				DRILLING ASSEMBLY (At end of tour)				BIT RECORD				MUD RECORD																									
8				90,000				9				3:00																									
DAY WORK TIME SUMMARY (OFFICE USE ONLY)																																					
HRS. W/CONTR. D.P.																																					
HRS. W/OPR. D.P.																																					
HRS. WO/D.P.																																					
HRS. STANDBY																																					
TOTAL DAY WORK																																					
NO. OF DAYS FROM SPLD																																					
CUMULATIVE ROTATING HRS.																																					
TOTAL MUD COST																																					

MORNING TOUR  
DAY TOUR  
EVENING TOUR



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LEASE <b>R M Burnham</b>		WELL NO. <b>22-2</b>	API WELL NUMBER <b>22-2</b>		DATE <b>1-27-91</b>
OPERATOR <b>Texaco</b>		CONTRACTOR <b>Amerman</b>			RIG NO. <b>3</b>
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>Sandra P. Mai</i>			SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>James Atchley</i>		
D.P. SIZE <b>4 1/2</b>	WT./FT. <b>1660</b>	GRADE <b>E</b>	TOOL JT D.D. <b>6 1/4 XH</b>	TYPE THREAD <b>1</b>	STRING NO. <b>1</b>
			PUMP NO. <b>2</b>	PUMP MANUFACTURER <b>Wheland</b>	TYPE <b>GA-550</b>
			STROKE LENGTH <b>14"</b>		

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD											
CODE NO.	OPERATION	MORN.	DAY	EVE.	NO.	BIT	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENTS	VISC-SEC	PV/YP	GELS	WL-CC'S	pH	SOLIDS %	
1	RIG UP AND TEAR DOWN							2	7 7/8	11:00	9'	3:00	9'	6:00	9'				
2	DRILL ACTUAL																		
3	CORING																		
4	CONDITION MUD & CIRCULATE																		
5	TRIPS																		
6	LUBRICATE RIG		1/4																
7	REPAIR RIG																		
8	CUT OFF DRILLING LINE																		
9	DEVIATION SURVEY																		
10	WIRE LINE LOGS																		
11	RUN CASING & CEMENT																		
12	WAIT ON CEMENT																		
13	NIFFLE UP B.O.P.																		
14	TEST B.O.P.																		
15	DRILL STEM TEST																		
16	PLUG BACK																		
17	SQUEEZE CEMENT																		
18	FISHING																		
19	DIR. WORK																		
20	Jet		1/4																
21																			
22																			
COMPLETION				DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD											
A	PERF'R'TN																		
B	TBG TRIPS																		
C	TREATING																		
D	SWABBING																		
E	TESTING																		
F	ADDITIONAL																		
G																			
TOTALS				8		9													
DAY WORK TIME SUMMARY (OFFICE USE ONLY)																			
HRS. W/CONTR. D.P.																			
HRS. W/OP. D.P.																			
HRS. W/D.P.																			
HRS. STANDBY																			
TOTAL DAY WORK																			
NO. OF DAYS FROM SPUD																			
CUMULATIVE ROTATING HRS.																			
TOTAL MUD COST																			

MORNING TOUR

DAY TOUR

EVENING TOUR



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D OR DIST.		COUNTY <u>Seward</u>			STATE <u>Ks.</u>			WIRE LINE RECORD		REEL NO.	
SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	SIZE <u>1 1/8</u>	NO. LINES <u>8</u>	FT. SLIPPED <u>100</u>		
<u>8 5/8</u>		<u>32<sup>#</sup></u>	<u>38</u>			<u>1702</u>	FT. CUT OFF		PRESENT LENGTH		
TON MI. OR TRIPS SINCE LAST CUT											
CUMULATIVE TON MI. OR TRIPS											

FOOTAGE		DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 <sup>#</sup>	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCL-S PART-L-P COM-DEC
<u>313</u>	<u>3500</u>				<u>80</u>	<u>45</u>	<u>1200</u>	<u>5 1/2</u>	<u>70</u>	<u>5 1/2</u>	-	

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
<u>1:00</u>	<u>1:15</u>	<u>2 1/4</u>	<u>2</u>	<u>DRIG</u>
<u>1:15</u>	<u>1:45</u>	<u>1/2</u>	<u>21-7</u>	<u>get #2 service rig</u>
<u>1:45</u>	<u>7:00</u>	<u>5 1/4</u>	<u>2</u>	<u>DRIG</u>

30 inches - Diesel 52% DRILLER Dewey Gilkey

FOOTAGE		DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 <sup>#</sup>	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCL-S PART-L-P COM-DEC
<u>3500</u>	<u>3870</u>	<u>D</u>			<u>80</u>	<u>45</u>	<u>1200</u>	<u>5 1/2</u>	<u>70</u>	<u>5 1/2</u>	-	<u>S</u>

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
<u>7:00</u>	<u>7:45</u>	<u>3/4</u>	<u>2</u>	<u>DRIG</u>
<u>7:45</u>	<u>8:00</u>	<u>1/4</u>	<u>21-7</u>	<u>Jet #3 - SERVICE RIG</u>
<u>8:00</u>	<u>12:15</u>	<u>4 1/4</u>	<u>2</u>	<u>DRIG</u>
<u>12:15</u>	<u>12:30</u>	<u>1/4</u>	<u>21</u>	<u>Jet #1</u>
<u>12:30</u>	<u>3:00</u>	<u>2 1/2</u>	<u>2</u>	<u>DRIG</u>

DRILLER Charles Armer

FOOTAGE		DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 <sup>#</sup>	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCL-S PART-L-P COM-DEC
<u>3970</u>	<u>4092</u>	<u>D</u>			<u>80</u>	<u>45</u>	<u>1200</u>	<u>5 1/2</u>	<u>70</u>	<u>5 1/2</u>	-	<u>S</u>

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
<u>7:00</u>	<u>8:00</u>	<u>5</u>	<u>2</u>	<u>DRIG</u>
<u>8:00</u>	<u>11:00</u>	<u>3</u>		<u>Survey &amp; Stack</u>

DRILLER [Signature]

LEASE <i>Rm Burnham</i>	WELL NO. <i>22-2</i>	API WELL NUMBER <b>ORIGINAL</b>	DATE <i>128-91</i>
OPERATOR <i>Texaco</i>	CONTRACTOR <i>James Strickler</i>		RIG NO. <i>3</i>
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>Harold P. Mai</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>James Strickler</i>	
D.P. SIZE <i>4 1/2</i>	WT./FT. <i>1660</i>	GRADE <i>E</i>	TOOL JT & D. TYPE <i>6 1/4 FH</i>
STRING NO. <i>1</i>	PUMP NO. <i>1</i>	PUMP MANUFACTURER <i>American</i>	TYPE <i>CA-550</i>
		<i>Wheland</i>	STROKE LENGTH <i>14"</i>

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD													
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	IADC CODE	MFG.	TYPE	SER. NO.	JETS	TIME	WEIGHT	PRESSURE GRADIENT	VISC-SEC	PV/YP	GELS	WL -CC'S	pH	SOLIDS %	
1	RIG UP AND TEAR DOWN						2	7 7/8		WMC	SIHF	N55124	3/12	3:00	92	91							
2	DRILL - ACTUAL	4		7 1/2	STB RMR	OD																	
3	REAMING				D.C. ID	OD											32	33	34				
4	CORING				STB RMR	OD																	
5	CONDITION MUD & CIRCULATE				D.C. ID	OD																	
6	TRIPS				STB RMR	OD																	
7	LUBRICATE RIG																						
8	REPAIR RIG																						
9	CUT OFF DRILLING LINE																						
10	DEVIATION SURVEY				STANDS DP	FT.																	
11	WIRE LINE LOGS				SINGLES DP	FT.																	
12	RUN CASING & CEMENT				KELLY DOWN	FT.																	
13	WAIT ON CEMENT				TOTAL	FT.																	
14	NIPPLE UP B.O.P.				WT. OF STRING	LBS.																	
15	TEST B.O.P.																						
16	DRILL STEM TEST																						
17	PLUG BACK																						
18	SQUEEZE CEMENT																						
19	FISHING																						
20	DIR. WORK																						
21	<i>Jet</i>			<i>7/2</i>																			
22																							
23																							

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD													
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	IADC CODE	MFG.	TYPE	SER. NO.	JETS	TIME	WEIGHT	PRESSURE GRADIENT	VISC-SEC	PV/YP	GELS	WL -CC'S	pH	SOLIDS %	
16	DRILL STEM TEST						2	7 7/8		WMC	SIHF	N55124	3/12	7:00	91	91							
17	PLUG BACK				STB RMR	OD																	
18	SQUEEZE CEMENT				D.C. ID	OD																	
19	FISHING				STB RMR	OD																	
20	DIR. WORK				D.C. ID	OD																	
21	<i>Jet</i>			<i>7/2</i>	STB RMR	OD																	
22																							
23																							

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD														
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	IADC CODE	MFG.	TYPE	SER. NO.	JETS	TIME	WEIGHT	PRESSURE GRADIENT	VISC-SEC	PV/YP	GELS	WL -CC'S	pH	SOLIDS %		
TOTALS		8		8			2	7 7/8		WMC	SIHF	N55124	3/12	3:00	92	92								
DAY WORK TIME SUMMARY (OFFICE USE ONLY)																								
HRS. W/CONTR. D.P.																								
HRS. W/OPR. D.P.																								
HRS. WD/D.P.																								
HRS. STANDBY																								
TOTAL DAY WORK																								
NO. OF DAYS FROM SPUD																								
CUMULATIVE ROTATING HRS.																								
TOTAL MUD COST																								



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DAY TOUR

EVENING TOUR

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WELD OR DIST.		COUNTY <u>Seward</u>			STATE <u>RS-</u>			WIRE LINE RECORD		REEL NO.	CONSERVATION DIVISION (Wichita, Kansas)	
SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	SIZE	NO. LINES	8	FT. SLIPPED		
8 5/8		32 1/2	38			1702	1 1/8			PRESENT LENGTH		
LAST CASING TUBING OR LINER												
TON MI. OR TRIPS SINCE LAST CUT												
CUMULATIVE TON MI. OR TRIPS												

FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCHEMATIC
4092	4100				80	45	1200	5 1/2	70	5 1/2	-	

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
11:00	3:00	4		work stuck pipe
3:00	7:00	4	2	Drily
Pump 22,500 SCF N-2 + mud				

FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCHEMATIC
4100	4275	D			80	45	1200	5 1/2	70	5 1/2	-	5

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
7:00	9:30	2 1/2	2	DRIG
9:30	9:45	1/4	21	Jet Section Pit
9:45	10:00	1/4	7	SERVICE RIG
10:00	12:45	2 3/4	2	DRIG
12:45	1:00	1/4	21	Jet #1
1:00	3:00	2	2	DRIG

FOOTAGE		DR. D RM-R CORE C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCHEMATIC
4275	4446	D			80	45	1200	5 1/2	70	5 1/2	-	5

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
3:00	7:15	4 1/4	2	DRIG
7:15	7:30	1/4	7	SERVICE RIG
7:30	9:00	1 1/2	2	DRIG
9:00	9:15	1/4	21	Jet 1-2A
9:15	11:00	1 3/4	2	DRIG

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

LOGGING REPORT FORM

DRILLER *Agencia Hernandez*

WELL NO. 22-2	API WELL NUMBER	DATE 1-29-91
OPERATOR R.M. Buchanan	CONTRACTOR Texaco	RIG NO. 3
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>Randal P. Buchanan</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>James Stricklin</i>
D.P. SIZE 4 1/2	WT./FT. 1660	GRADE E
TOOL JT O.D. 6 1/4	TYPE THREAD XH	STRING NO. 1
PUMP NO. 1	PUMP MANUFACTURER Amerman	TYPE GA-550
		STROKE LENGTH 14"

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD					
CODE NO.	OPERATION	MORN.	DAY	FT.	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC.-SEC	PV/YP	GELS
1	RIG UP AND TEAR DOWN					2	7 7/8	11:00	94		34		
2	DRILL ACTUAL	7:30	7:30					3:00	93		33		
3	REAMING							6:00	91		32		
4	CORING												
5	CONDITION MUD & CIRCULATE												
6	TRIPS												
7	LUBRICATE RIG												
8	REPAIR RIG												
9	CUT OFF DRILLING LINE												
10	DEVIATION SURVEY												
11	WIRE LINE LOGS												
12	RUN CASING & CEMENT												
13	WAIT ON CEMENT												
14	NIPPLE UP B.O.P.												
15	TEST B.O.P.												
16	DRILL STEM TEST												
17	PLUG BACK												
18	SQUEEZE CEMENT												
19	FISHING												
20	DIR. WORK												
21	Jet	1/4	1/4										
22													
23													
COMPLETION													
A	PERF'R'T'N												
B	TBC TRIPS												
C	TREATING												
D	SWABBING												
E	TESTING												
F	ADDIT'NL												
G													
TOTALS		8	8	8									

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD					
CODE NO.	OPERATION	MORN.	DAY	FT.	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC.-SEC	PV/YP	GELS
15	TEST B.O.P.					2	7 7/8	7:30	9.2		34		
16	DRILL STEM TEST							11:00	9.1		36		
17	PLUG BACK							2:30	9.1		36		
18	SQUEEZE CEMENT												
19	FISHING												
20	DIR. WORK												
21	Jet	1/4	1/4										
22													
23													
COMPLETION													
A	PERF'R'T'N												
B	TBC TRIPS												
C	TREATING												
D	SWABBING												
E	TESTING												
F	ADDIT'NL												
G													
TOTALS		8	8	8									

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD					
CODE NO.	OPERATION	MORN.	DAY	FT.	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC.-SEC	PV/YP	GELS
15	TEST B.O.P.					2	7 7/8	3:00	9.1		37		
16	DRILL STEM TEST							7:00	9.1		36		
17	PLUG BACK							10:00	9.1		36		
18	SQUEEZE CEMENT												
19	FISHING												
20	DIR. WORK												
21	Jet	1/4	1/4										
22													
23													
COMPLETION													
A	PERF'R'T'N												
B	TBC TRIPS												
C	TREATING												
D	SWABBING												
E	TESTING												
F	ADDIT'NL												
G													
TOTALS		8	8	8									

ORIGINAL

RECEIVED  
STATE COMMISSION

MAR 25 1991

FIELD OR DIST.		COUNTY		STATE		WIRE LINE RECORD		REEL NO.	
		Seward		KS		SIZE 1 1/8		NO. LINES 8	
LAST CASING TUBING OR LINER		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	FT. SKIPPED
		8 5/8		32 <sup>FF</sup>	38			1702	PRESENT LENGTH
								TON MI. OR TRIPS SINCE LAST CUT	
								CUMULATIVE TON MI. OR TRIPS	

FOOTAGE		DR. D RM-R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGI - S PAPER - P COMPLET
4446	4600				80	45	1200	5 1/2	70	5 1/2	-	

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
11:00	1:00	2	2	DRIG
1:00	1:15	1/4	217	Jet #3 service rig
1:15	7:00	5 3/4	2	DRIG

50 Diesel 45%

DRILLER *Danney Hilkey*

FOOTAGE		DR. D RM-R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGI - S PAPER - P COMPLET
4600	4770	0			80	45	1200	5 1/2	70	5 1/2	-	5

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
7:00	8:00	1	2	DRIG
8:00	8:15	1/4	217	Jet #1 - SERVICE RIG
8:15	3:00	6 3/4	2	DRIG

DRILLER *Chad...*

FOOTAGE		DR. D RM-R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000'	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGI - S PAPER - P COMPLET
4770	4918	0		Shale	80	45	1200	5 1/2	70	5 1/2	-	5

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
3:00	4:30	1 1/2	2	DRIG
4:30	5:00	1/2	217	Jet #1 - SERVICE RIG
5:00	11:00	6	2	DRIG

DRILLER *Sydney...*

LOGGING REPORT FORM



No. 284157

ORIGINAL

DAILY DRILLING REPORT

REPORT NO.

RECEIVED STATE OF KANSAS COMMISSION

LEASE <b>R.M. Burnham</b>	WELL NO. <b>22-2</b>	API WELL NUMBER	DATE <b>MAR 25 1991 1-30-9</b>
OPERATOR <b>Texaco</b>	CONTRACTOR		RIG NO. <b>3</b>
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>Paul R. ...</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>James ...</i>	
D.P. SIZE <b>4 1/2</b>	WT./FT. <b>1660</b>	GRADE <b>E</b>	TOOL JT O.D. <b>6 1/4</b>
TYPE THREAD <b>XH</b>	STRING NO. <b>1</b>	PUMP NO. <b>1</b>	PUMP MANUFACTURER <b>Amerman</b>
		<b>2</b>	<b>Wheland</b>
			TYPE <b>CA-550</b>
			STROKE LENGTH <b>14"</b>

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD																					
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	JADC CODE	MFG.	TYPE	SER. NO.	JETS 1/32" /TFA in <sup>2</sup>	DEPTH OUT	DEPTH IN	TOTAL FTG.	TOTAL HRS.	CUT. STRUC. I O D L B G O R	WT. OF STRING LBS.	TIME	WEIGHT	PRESSURE GRADIENT	VISC-SEC	PV/YP	GELS	WL -CC'S	pH	SOLIDS %	MUD & CHEMICALS ADDED		
1	RIG UP AND TEAR DOWN																														
2	DRILL ACTUAL		<b>7 3/4</b>	<b>4 3/4</b>				<b>2</b>	<b>7 7/8</b>																						
3	REAMING									<b>WMC</b>																					
4	CORING									<b>51HF</b>																					
5	CONDITION MUD & CIRCULATE									<b>W55124</b>																					
6	TRIPS																														
7	LUBRICATE RIG																														
8	REPAIR RIG																														
9	CUT OFF DRILLING LINE																														
10	DEVIATION SURVEY																														
11	WIRE LINE LOGS																														
12	RUN CASING & CEMENT																														
13	WAIT ON CEMENT																														
14	NIPPLE UP B.O.P.																														
15	TEST B.O.P.																														
16	DRILL STEM TEST																														
17	PLUG BACK																														
18	SQUEEZE CEMENT																														
19	FISHING																														
20	DIR. WORK																														
21	Jet		<b>1/4</b>																												
22																															
23																															

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD																					
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	JADC CODE	MFG.	TYPE	SER. NO.	JETS 1/32" /TFA in <sup>2</sup>	DEPTH OUT	DEPTH IN	TOTAL FTG.	TOTAL HRS.	CUT. STRUC. I O D L B G O R	WT. OF STRING LBS.	TIME	WEIGHT	PRESSURE GRADIENT	VISC-SEC	PV/YP	GELS	WL -CC'S	pH	SOLIDS %	MUD & CHEMICALS ADDED		
15	TEST B.O.P.																														
16	DRILL STEM TEST																														
17	PLUG BACK																														
18	SQUEEZE CEMENT																														
19	FISHING																														
20	DIR. WORK																														
21	Jet		<b>1/4</b>																												
22																															
23																															

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD																					
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	JADC CODE	MFG.	TYPE	SER. NO.	JETS 1/32" /TFA in <sup>2</sup>	DEPTH OUT	DEPTH IN	TOTAL FTG.	TOTAL HRS.	CUT. STRUC. I O D L B G O R	WT. OF STRING LBS.	TIME	WEIGHT	PRESSURE GRADIENT	VISC-SEC	PV/YP	GELS	WL -CC'S	pH	SOLIDS %	MUD & CHEMICALS ADDED		
15	TEST B.O.P.																														
16	DRILL STEM TEST																														
17	PLUG BACK																														
18	SQUEEZE CEMENT																														
19	FISHING																														
20	DIR. WORK																														
21	Jet		<b>1/4</b>																												
22																															
23																															

ORIGINAL

RECEIVED  
STATE CORPORATION COMMISSION

MAR 25 1991

D OR DIST.		COUNTY		STATE		WIRE LINE RECORD		REEL NO.	
		Seward		KS.		SIZE 1 1/8		NO. LINES 8	
LAST CASING TUBING OR LINER		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	FT. SLIPPED
		8 5/8		32#	38			1702	
					FT. CUT OFF		PRESENT LENGTH		
					TON MI. OR TRIPS SINCE LAST CUT				
					CUMULATIVE TON MI. OR TRIPS				

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCI. S. PAPER P. COMBIC
1918	5030				80	45	1200	5 1/2	70	5 1/2	-	

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
1:00	3:00	4	2	DRIG
3:00	3:15	1/4	21-7	set + service rig
3:15	7:00	3 3/4	2	DRIG

32 Diesel 35% DRILLER Danny Wilber

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCI. S. PAPER P. COMBIC
5030	5106'	D			80	45	1200	5 1/2	70	5 1/2	-	S

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5106'	3 1/2							

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
11:00	11:00	4	2	DRIG
11:00	11:15	1/4	10	Loop Survey
11:15	2:00	3 3/4	6	POOH - SLM
2:00	3:00	1	6	T.H. W/bit #3

DRILLER Charles Armer

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SCI. S. PAPER P. COMBIC
5115	5193	D		Shale	80	45	1200	5 1/2	70	5 1/2	-	S

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
3:00	6:15	3 1/4	6	Trip in hole w/bit #3
6:15	11:00	4 3/4	2	DRIG

DRILLER Agnacia Heppner

LOG REPORT FORM





MAR 25 1991

ELD OR DIST.		COUNTY		STATE		WIRE LINE RECORD		REEL NO.	
		Seward		K.S.				MAR 25 1991	
LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	SIZE	NO. LINES
	8 5/8		30#	38			1702	1 1/8	8
	FT. SLIPPED		PRESENT LENGTH		TON MI. OR TRIPS SINCE LAST CUT		CUMULATIVE TON MI. OR TRIPS		

FOOTAGE		DR. D RM-R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGI - S PAPER - P COMPLET
5193	5340				80	45	1200	5 1/2	70	5 1/2	-	

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
11:00	7:00	7	2	DRIG

DRILLER *Dennis Siddle*

FOOTAGE		DR. D RM-R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGI - S PAPER - P COMPLET
5340	5428				80	45	1200	5 1/2	70	5 1/2	-	5

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
7:00	11:15	4 1/4	2	DRIG
11:15	11:30	1/4	2 1/4	JETTING SERVICE RIG
11:30	11:45	1/4	2	DRIG
11:45	1:45	2	5	Circulate
1:45	3:00	1 1/4	6	TRIP OUT FOR CORE

DRILLER *RAY WOOD* 11:45 AM 1-31-91

FOOTAGE		DR. D RM-R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGI - S PAPER - P COMPLET
5428												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
3:00	5:30	2 1/2		Tail out
5:30	6:30	1		Pick UP Tool core
6:30	10:45	4 1/4		TRIP IN hole
10:45	11:00	1/4		CIRG

DRILLER *Agassi-Hopman*

ORIGINAL

LEASE <i>R.M. Burnham</i>	WELL NO. <i>22-2</i>	API WELL NUMBER <i>22-2</i>	DATE <i>MAR 25 1991</i>
OPERATOR <i>R.M. Burnham</i>	CONTRACTOR <i>James H. ...</i>		RIG NO. <i>3</i>
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>Carroll P. Mai</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>James H. ...</i>	
D.P. SIZE <i>4 1/2</i>	WT./FT. <i>1660</i>	GRADE <i>E</i>	TOOL JT O.D. <i>6 1/4</i>
TYPE THREAD <i>YH</i>	STRING NO. <i>1</i>	PUMP NO. <i>1</i>	PUMP MANUFACTURER <i>Amerman</i>
			TYPE <i>GA-550</i>
			STROKE LENGTH <i>14"</i>

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (At end of tour)			BIT RECORD			MUD RECORD			
CODE NO.	OPERATION	MORN.	DAY	NO.	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC-SEC	PV/YP	GELS
1	RIG UP AND TEAR DOWN												
2	DRILL ACTUAL												
3	REAMING												
4	CORING												
5	CONDITION MUD & CIRCULATE												
6	TRIPS												
7	LUBRICATE RIG												
8	REPAIR RIG												
9	CUT OFF DRILLING LINE												
10	DEVIATION SURVEY												
11	WIRE LINE LOGS												
12	RUN CASING & CEMENT												
13	WAIT ON CEMENT												
14	NIPPLE UP B.O.P.												
15	TEST B.O.P.												
16	DRILL STEM TEST												
17	PLUG BACK												
18	SQUEEZE CEMENT												
19	FISHING												
20	DIR. WORK												
21	<i>Jet</i>												
22													
23													

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (At end of tour)			BIT RECORD			MUD RECORD			
CODE NO.	OPERATION	MORN.	DAY	NO.	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC-SEC	PV/YP	GELS
1	RIG UP AND TEAR DOWN												
2	DRILL ACTUAL												
3	REAMING												
4	CORING												
5	CONDITION MUD & CIRCULATE												
6	TRIPS												
7	LUBRICATE RIG												
8	REPAIR RIG												
9	CUT OFF DRILLING LINE												
10	DEVIATION SURVEY												
11	WIRE LINE LOGS												
12	RUN CASING & CEMENT												
13	WAIT ON CEMENT												
14	NIPPLE UP B.O.P.												
15	TEST B.O.P.												
16	DRILL STEM TEST												
17	PLUG BACK												
18	SQUEEZE CEMENT												
19	FISHING												
20	DIR. WORK												
21	<i>Jet</i>												
22													
23													

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (At end of tour)			BIT RECORD			MUD RECORD			
CODE NO.	OPERATION	MORN.	DAY	NO.	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	VISC-SEC	PV/YP	GELS
1	RIG UP AND TEAR DOWN												
2	DRILL ACTUAL												
3	REAMING												
4	CORING												
5	CONDITION MUD & CIRCULATE												
6	TRIPS												
7	LUBRICATE RIG												
8	REPAIR RIG												
9	CUT OFF DRILLING LINE												
10	DEVIATION SURVEY												
11	WIRE LINE LOGS												
12	RUN CASING & CEMENT												
13	WAIT ON CEMENT												
14	NIPPLE UP B.O.P.												
15	TEST B.O.P.												
16	DRILL STEM TEST												
17	PLUG BACK												
18	SQUEEZE CEMENT												
19	FISHING												
20	DIR. WORK												
21	<i>Jet</i>												
22													
23													

ORIGINAL

STATE RECEIVED DIVISION COMMISSION

MAR 25 1991

CO. WARD DIVISION

FIELD OR DIST.		COUNTY <u>Seward</u>				STATE <u>Ks</u>		WIRE LINE RECORD		REEL NO.	
LAST CASING TUBING OR LINER		SIZE <u>8 5/8</u>	MAKE	WT. & GR. <u>32#</u>	NO. JOINTS <u>38</u>	FEET	RKB. TO CSG. HD.	SET AT <u>1702</u>	SIZE <u>1 7/8</u>	NO. LINES <u>8</u>	FT. SLIPPED
		FT. CUT OFF		PRESENT LENGTH		TON MI. OR TRIPS SINCE LAST CUT		CUMULATIVE TON MI. OR TRIPS			

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.
<u>5428</u>	<u>5444</u>							<u>5 1/2</u>		<u>5 1/2</u>	

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
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TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
<u>11:00</u>	<u>11:30</u>	<u>1/2</u>		<u>Make up Pip Joints + Circ.</u>
<u>11:30</u>	<u>7:00</u>	<u>7/8</u>	<u>4</u>	<u>Coring 5428-</u>

DRILLER Davey Gilkey

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.
<u>5444</u>	<u>5452</u>										

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
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TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
<u>7:00</u>	<u>7:30</u>	<u>1/2</u>	<u>4</u>	<u>Coring - Barrel Jammed</u>
<u>7:30</u>	<u>12:00</u>	<u>4 1/2</u>	<u>6</u>	<u>POOH - Recovered 18 1/2 ft.</u>
<u>12:00</u>	<u>12:45</u>	<u>3/4</u>		<u>Lay down CORE</u>
<u>12:45</u>	<u>1:45</u>	<u>1</u>		<u>Lay down CORE Barrel</u>
<u>1:45</u>	<u>3:00</u>	<u>1 1/4</u>	<u>6</u>	<u>T/H w/Bit</u>

DRILLER Charles Adams

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		PUMP NO.	METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.
<u>5452</u>	<u>5524</u>	<u>b</u>		<u>Shale</u>	<u>80</u>	<u>40</u>	<u>1200</u>	<u>5 1/2</u>	<u>70</u>	<u>5 1/2</u>	<u>-</u>

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
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TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
<u>2:00</u>	<u>5:00</u>	<u>2</u>	<u>6</u>	<u>TRIP in hole</u>
<u>5:00</u>	<u>8:00</u>	<u>3</u>	<u>2</u>	<u>DRLG</u>
<u>8:00</u>	<u>8:15</u>	<u>1/4</u>	<u>7</u>	<u>SERVICE RIG</u>
<u>8:15</u>	<u>11:00</u>	<u>2 3/4</u>	<u>2</u>	<u>DRLG</u>

DRILLER Agustino Hernandez

LOGGING REPORT FORM

LEASE <i>P.M. Burnham</i>	WELL NO. <i>22-2</i>	API WELL NUMBER <i>5</i>	DATE <i>2-22-9</i>
OPERATOR <i>Texas</i>	CONTRACTOR <i>James Strickler</i>		RIG NO. <i>3</i>
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>Samuel P. ...</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>James Strickler</i>	
D.P. SIZE <i>4 1/2</i>	WT./FT. <i>1660</i>	GRADE <i>E</i>	TOOL JT O.D. <i>6 1/4</i>
TYPE THREAD <i>XH</i>	STRING NO. <i>1</i>	PUMP NO. <i>1</i>	PUMP MANUFACTURER <i>Amerman</i>
		<i>2</i>	<i>Whelead</i>
			TYPE <i>CA-550</i>
			STROKE LENGTH <i>14"</i>

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (At end of tour)			BIT RECORD			MUD RECORD		
CODE NO.	OPERATION	MORN.	DAY	FT.	NO.	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	
1	RIG UP AND TEAR DOWN						3	7 7/8	11:00	90	3:00	
2	DRILL ACTUAL	<i>7:30</i>							3:00	91	6:00	
3	REAMING											
4	CORING											
5	CONDITION MUD & CIRCULATE											
6	TRIPS											
7	LUBRICATE RIG	<i>1/4</i>										
8	REPAIR RIG											
9	CUT OFF DRILLING LINE											
10	DEVIATION SURVEY											
11	WIRE LINE LOGS											
12	RUN CASING & CEMENT											
13	WAIT ON CEMENT											
14	NIPPLE UP B.O.P.											
15	TEST B.O.P.											
16	DRILL STEM TEST											
17	PLUG BACK											
18	SQUEEZE CEMENT											
19	FISHING											
20	DIR. WORK											
21	<i>Jet.</i>											
22												
23												
TOTALS												
DAY WORK TIME SUMMARY (OFFICE USE ONLY)												
HRS. W/CONTR. D.P.												
HRS. W/OPR. D.P.												
HRS. WD/D.P.												
HRS. STANDBY												
TOTAL DAY WORK												
NO. OF DAYS FROM SPUD												
CUMULATIVE ROTATING HRS.												
TOTAL MUD COST												

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (At end of tour)			BIT RECORD			MUD RECORD		
CODE NO.	OPERATION	MORN.	DAY	FT.	NO.	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	
1	RIG UP AND TEAR DOWN						3	7 7/8	7:30	91	11:30	
2	DRILL ACTUAL								11:30	91	2:00	
3	REAMING											
4	CORING											
5	CONDITION MUD & CIRCULATE											
6	TRIPS											
7	LUBRICATE RIG											
8	REPAIR RIG											
9	CUT OFF DRILLING LINE											
10	DEVIATION SURVEY											
11	WIRE LINE LOGS											
12	RUN CASING & CEMENT											
13	WAIT ON CEMENT											
14	NIPPLE UP B.O.P.											
15	TEST B.O.P.											
16	DRILL STEM TEST											
17	PLUG BACK											
18	SQUEEZE CEMENT											
19	FISHING											
20	DIR. WORK											
21	<i>Jet.</i>											
22												
23												
TOTALS												
DAY WORK TIME SUMMARY (OFFICE USE ONLY)												
HRS. W/CONTR. D.P.												
HRS. W/OPR. D.P.												
HRS. WD/D.P.												
HRS. STANDBY												
TOTAL DAY WORK												
NO. OF DAYS FROM SPUD												
CUMULATIVE ROTATING HRS.												
TOTAL MUD COST												

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (At end of tour)			BIT RECORD			MUD RECORD		
CODE NO.	OPERATION	MORN.	DAY	FT.	NO.	FT.	BIT NO.	SIZE	TIME	WEIGHT	PRESSURE GRADIENT	
1	RIG UP AND TEAR DOWN						3	7 7/8	3:00	91	7:00	
2	DRILL ACTUAL								7:00	91	9:00	
3	REAMING											
4	CORING											
5	CONDITION MUD & CIRCULATE											
6	TRIPS											
7	LUBRICATE RIG											
8	REPAIR RIG											
9	CUT OFF DRILLING LINE											
10	DEVIATION SURVEY											
11	WIRE LINE LOGS											
12	RUN CASING & CEMENT											
13	WAIT ON CEMENT											
14	NIPPLE UP B.O.P.											
15	TEST B.O.P.											
16	DRILL STEM TEST											
17	PLUG BACK											
18	SQUEEZE CEMENT											
19	FISHING											
20	DIR. WORK											
21	<i>Jet.</i>											
22												
23												
TOTALS												
DAY WORK TIME SUMMARY (OFFICE USE ONLY)												
HRS. W/CONTR. D.P.												
HRS. W/OPR. D.P.												
HRS. WD/D.P.												
HRS. STANDBY												
TOTAL DAY WORK												
NO. OF DAYS FROM SPUD												
CUMULATIVE ROTATING HRS.												
TOTAL MUD COST												



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STATE CORPORATION COMMISSION

LD OR DIST.		COUNTY <i>Seward</i>			STATE <i>Ks.</i>			WIRE LINE RECORD		REEL NO.		MAR 25 1991	
LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	SIZE	NO. LINES	FT. SLIPPED			
	<i>8 5/8</i>		<i>32#</i>	<i>38</i>			<i>1702</i>	<i>1 1/8</i>	<i>8</i>	CONSERVATION DIVISION Wichita, Kansas			
	FT. CUT OFF								PRESENT LENGTH				
TON MI. OR TRIPS SINCE LAST CUT								CUMULATIVE TON MI. OR TRIPS					

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGI-5 PANEL-P COMBEC
<i>5524</i>	<i>5635</i>				<i>80</i>	<i>40</i>	<i>1200</i>	<i>5 1/2</i>	<i>70</i>	<i>5 1/2</i>	-	

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
<i>1:00</i>	<i>12:00</i>	<i>1</i>	<i>2</i>	<i>Drig. Km. 1000 ft.</i>
<i>2:00</i>	<i>12:15</i>	<i>1/4</i>	<i>7</i>	<i>service rig</i>
<i>2:15</i>	<i>7:00</i>	<i>6 3/4</i>	<i>2</i>	<i>Drig. Kelly</i>

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGI-5 PANEL-P COMBEC
<i>5635</i>	<i>5786</i>	<i>0</i>			<i>80</i>	<i>40</i>	<i>1200</i>	<i>5 1/2</i>	<i>70</i>	<i>5 1/2</i>	-	<i>5</i>

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
<i>7:00</i>	<i>11:15</i>	<i>4 1/4</i>	<i>2</i>	<i>Drig.</i>
<i>11:15</i>	<i>11:30</i>	<i>1/4</i>	<i>21-7</i>	<i>Set 1-2 - Service Rig</i>
<i>11:30</i>	<i>3:00</i>	<i>3 1/2</i>	<i>2</i>	<i>Drigs</i>

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGI-5 PANEL-P COMBEC
<i>5786</i>	<i>5800</i>	<i>0</i>		<i>Shale</i>	<i>80</i>	<i>40</i>	<i>1200</i>	<i>5 1/2</i>	<i>70</i>	<i>5 1/2</i>	-	<i>5</i>

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
<i>2:00</i>	<i>3:45</i>	<i>3 1/2</i>	<i>2</i>	<i>DRIG TO 4800</i>
<i>2:45</i>	<i>2:30</i>	<i>3/4</i>		<i>circ min 45</i>
<i>4:30</i>	<i>5:30</i>	<i>1</i>		<i>short trip</i>
<i>5:30</i>	<i>7:15</i>	<i>1 3/4</i>		<i>circulate</i>
<i>7:15</i>	<i>10:15</i>	<i>3</i>		<i>trip out for logs</i>
<i>10:15</i>	<i>11:00</i>	<i>3/4</i>		<i>Rig up logs &amp; logging</i>

DRILLER *Chas. Orma*

LEASE <i>P.M. Burnham</i>		WELL NO. <i>22-2</i>	API WELL NUMBER		DATE <i>MAR 25 1991</i>	<i>2-3-91</i>			
OPERATOR <i>Texaco</i>			CONTRACTOR <i>CONCRETE DIVISION Wichita, Kansas</i>		RIG NO. <i>3</i>				
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>Randall P. Man</i>				SIGNATURE OF CONTRACTOR'S TOOL PUSHER					
D.P. SIZE <i>4 1/2</i>	WT./FT. <i>1660</i>	GRADE <i>E</i>	TOOL JT Q.D. <i>6 1/4</i>	TYPE THREAD <i>XH</i>	STRING NO. <i>1</i>	PUMP NO. <i>1</i>	PUMP MANUFACTURER <i>Amerman</i>	TYPE <i>CA-550</i>	STROKE LENGTH <i>14"</i>
						<i>2</i>	<i>Wheland</i>	<i>14000</i>	<i>14"</i>

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD														
CODE NO.	OPERATION	MORN.	DAY	EVE.	BIT	FT.	BIT NO.	SIZE	IADC CODE	MFG.	TYPE	SER. NO.	JETS	TIME	WEIGHT	PRESSURE GRADIENT	VISC.-SEC.	PV/YP	GELS	WL.-CC'S	pH	SOLIDS %		
1	RIG UP AND TEAR DOWN																							
2	DRILL ACTUAL				STB RMR	OD	FT.																	
3	REAMING				D.C. ID	OD	FT.																	
4	CORING				STB RMR	OD	FT.																	
5	CONDITION MUD & CIRCULATE				D.C. ID	OD	FT.																	
6	TRIPS				STB RMR	OD	FT.																	
7	LUBRICATE RIG																							
8	REPAIR RIG																							
9	CUT OFF DRILLING LINE																							
10	DEVIATION SURVEY				STANDS DP		FT.																	
11	WIRE LINE LOGS				SINGLES DP		FT.																	
12	RUN CASING & CEMENT				KELLY DOWN		FT.																	
13	WAIT ON CEMENT				TOTAL		FT.																	
14	NIPPLE UP & G.P.				WT. OF STRING		LBS.																	
15	TEST B.O.P.																							
16	DRILL STEM TEST																							
17	PLUG BACK																							
18	SQUEEZE CEMENT																							
19	FISHING																							
20	DIR. WORK																							
21	<i>Jet</i>																							
22	<i>4 1/2 pipe</i>																							
23																								
COMPLETION																								
A. PERF'R'T'N																								
B. TBG TRIPS																								
C. TREATING																								
D. SWABBING																								
E. TESTING																								
F. ADDIT'N'L																								
G.																								
TOTALS																								
DAY WORK TIME SUMMARY (OFFICE USE ONLY)																								
HRS. W/CONTR. D.P.																								
HRS. W/OPR. D.P.																								
HRS. WO/D.P.																								
HRS. STANDBY																								
TOTAL DAY WORK																								
NO. OF DAYS FROM SPUD																								
CUMULATIVE ROTATING HRS.																								
TOTAL MUD COST																								

MORNING TOUR

DAY TOUR

EVENING TOUR



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MAR 25 1991

FIELD OR DIST.		COUNTY		STATE		WIRE LINE RECORD		REEL NO.		OIL CONSERVATION DIVISION FT. SLIPPER, Kansas	
		Seward		KS		SIZE 1 7/8		NO. LINES 8			
LAST CASING TUBING OR LINER		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	FT. CUT OFF		PRESENT LENGTH
		8 5/8		32#	38			1702			
								TON MI. OR TRIPS SINCE LAST CUT.			
								CUMULATIVE TON MI. OR TRIPS			

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		PUMP NO.	METHOD RUN	
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SC-1 S PAPER-COM-CC

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
11:00	7:00	8		Logging Log on TD 5803 11:00 AM 2-2-91

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		PUMP NO.	METHOD RUN	
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SC-1 S PAPER-COM-CC

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
2:00	8:30	1 1/2	11	Wire Line Logs
2:30	11:30	3	6	TRIP IN Hole - Break Pipe @ 2935'
1:30	1:30	2	5	Pipe on bottom - Cond Mud
1:30	3:00	1 1/2	22	Lay down pipe

FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		PUMP NO.	METHOD RUN	
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SC-1 S PAPER-COM-CC
800												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
3:00	6:30	3 1/2		Lay Down Drilling Pipe + DC
1:30	7:00	1/2		Rig UP <del>to</del> to RUN 5 1/2
2:00	11:00	1/2		RUN 5 1/2 CASING

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

LOGGING REPORT FORM

DRILLER *Charles Armon*





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RECEIVED  
STATE COMBUSTION COMMISSION

FIELD OR DIST.		COUNTY <i>Seward</i>			STATE <i>KS</i>			WIRE LINE RECORD		REEL NO.	
LAST CASING TUBING OR LINER		SIZE <i>8 5/8</i>	MAKE	WT. & GR. <i>32#</i>	NO. JOINTS <i>38</i>	FEET	RKB. TO CSG. HD.	SET AT <i>1702</i>	SIZE <i>1 1/8</i>	NO. LINES <i>18</i>	DATE RECORDED <i>MAR 25 1961</i>
								FT. CUT OFF		PRESENT LENGTH	
								TON MI. OR TRIPS SINCE LAST CUT		CUMULATIVE TON MI. OR TRIPS	

FOOTAGE		DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SC-1 S PAPER-5 COM-12 C
<i>5800</i>												

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
<i>11:00</i>	<i>12:00</i>	<i>1</i>		<i>Run casing 1# cement w/1/8 470SX 50/50 Poz 2% Fe-1</i>
<i>12:00</i>	<i>12:30</i>	<i>1/2</i>		<i>Circ 3% Kib 3/4 Fla 2% 11 H6 Plug Down 1:45 AM</i>
<i>12:30</i>	<i>1:45</i>	<i>1 1/4</i>		<i>Cement 2# 390 SX 35/65 Poz 6% Gr 1 1/4 LB SLAF</i>
<i>1:45</i>	<i>5:45</i>	<i>4</i>		<i>Circ 50SX H 2% CC</i>
<i>5:45</i>	<i>7:00</i>	<i>1 1/4</i>		<i>Cement Plug Down</i>

FOOTAGE		DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SC-1 S PAPER-5 COM-12 C

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
<i>7:00</i>	<i>7:15</i>	<i>1/4</i>		<i>Cement Plug Down 7:15 AM 2-9-61</i>
<i>7:15</i>	<i>12:00</i>	<i>4 3/4</i>		<i>Pull BOP &amp; NIPPLE UP (B) Rig Re-set At 12:00 noon</i>
<i>12:00</i>	<i>3:00</i>	<i>3</i>		<i>Rig Down</i>

FOOTAGE		DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		PUMP NO.		METHOD RUN
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SC-1 S PAPER-5 COM-12 C

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
<i>1:00</i>	<i>11:00</i>	<i>8</i>		<i>Dust Watch</i>

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

ING REPORT FORM