

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 # 4742
Name: Texaco E & P, Inc.
Address P.O. Box 2700

City/State/Zip Pampa, TX 79066-2700

Purchaser: Northern Natural Gas
Operator Contact Person: Sylvia Porter
Phone (806) 669-8456
Contractor: Name: Allen Drilling Company
License: 5418

Wellsite Geologist: Phil Schreiner

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-Entry: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back _____ PBDT _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____
8-21-95 8-24-95 9-11-95
Spud Date Date Reached TD Completion Date

API NO. 15- 189-21925-0000
County Stevens
C, SW Sec. 29 Twp. 32 Rge. 37 X E
1320 Feet from S (circle one) Line of Section

3960 Feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE NW or SW (circle one)

Lease Name R. B. Loflin Well # 3

Producing Formation Ft. Riley, Winfield, Krider

Elevation: Ground 3160 KB 3170

Total Depth 2900 PBDT 2850

Amount of Surface Pipe Set and Cemented at 660 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 JH 10-17-95
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: OCT 13 1995

Operator Name _____

Lease Name _____
Conservation Division
License No. _____
Wichita, Kansas

Quarter Sec. Twp. S Rge. E/W

County _____ Docket No. _____

INSTRUCTIONS: An Original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]
Title Operations Manager Date 10-09-95

Subscribed and sworn to before me this 11th day of October
19 95

Notary Public Merle W. Ornell

Date Commission Expires 2-23-95

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)

Operator Name Texaco E & P Inc. Lease Name R. B. Loflin Well # 3
 Sec. 29 Twp. 32 Rge. 37 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 Log Formation (Top), Depth and Datums Sample
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No Name Top Datum
 Electric Log Run Yes No See Attached
 (Submit Copy.)

List All E.Logs Run:
 Gamma Ray/Compensated Neutron

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	24#	660'	See Att.		
Production	7-7/8"	4-1/2"	10.5#	2895'	See Att.		

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives	
Perforate					
Protect Casing					
Plug Back TD					
Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1	2576 - 2586	3000 Gal. 15% HCL W/910 BBL.	
1	2602 - 2620	gelled wtr. W/14420# 12/20	
1	2658 - 2686	Brady Sand	
1	2711 - 2756 & 2 SPF 2774 - 2792		

TUBING RECORD Size 2-3/8" Set At 2807' Packer At _____ Liner Run Yes No

Date of First Resumed Production, SWD or Inj. Production 9-15-95 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 0 Bbls. Gas 591 Mcf Water 0 Bbls. Gas-Oil Ratio _____ Gravity _____

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 2576 - 2792

ORIGINAL

R. B. Loflin #3
API # 15-189-21,925
Sec. 29-32S-37W
Stevens County, Kansas

Formation Tops and Datum
(KB Elevation + 3170.0')

<u>Formation</u>	<u>Top</u>	<u>Datum</u>
Upper Krider	2570'	+600
Lower Krider	2598'	+572
Winfield	2650'	+520
Upper Fort Riley	2709'	+461
Lower Fort Riley	2773'	+397

ORIGINAL

R. B. LOFLIN #3
API #15-189-21,925
Sec. 29-32S-37W
Stevens County, Kansas

Cementing Data

8-5/8" Surface Casing Cement - Dowell Schlumberger Inc. #0312-7419

185 sacks 35/65 Poz-C 6% D20, 2% S1, 1/4#/sk D29

150 sacks Class C, 2% S1, 1/4#/sk D29

4-1/2" Production Casing Cement - Dowell Schlumberger Inc. #7442

275 sacks Class C, 3% D79, 1/4#/sk D29

200 sacks Class C, 1/4#/sk D29

Circulated approximately 30 bbls. cement to surface

RECEIVED
STATE CORPORATION COMMISSION

OCT 13 1995

CONSERVATION DIVISION
Wichita, Kansas

CEMENTING SERVICE REPORT 8578

Schlumberger

Dowell SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 0312-7419 DATE 8-21-95
 STAGE DS DISTRICT Ulysses KS

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

WELL NAME AND NO. **WFL #3** LOCATION (LEGAL) **Sec 29-32S-37W** RIG NAME **Allen #2**

FIELD-POOL _____ FORMATION _____ WELL DATA: BIT SIZE **12 1/4** CSG/Liner Size **8 5/8** BOTTOM _____ TOP _____

COUNTY/PARISH **SEMINOLE** STATE **KS** APL. NO. _____ TOTAL DEPTH **673** WEIGHT **24#**

NAME **Texaco E&P Inc** MUD TYPE _____ GRADE _____ FOOTAGE **675** **ORIGINAL**

AND _____ MUD DENSITY _____ LESS FOOTAGE SHOE JOINT(S) _____ MUD VISC. _____ Disp. Capacity **600**

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

SHOE	TYPE	Baffle Plate	TYPE	
	DEPTH		DEPTH	
STAGE TOOL	TYPE		TYPE	
	DEPTH		DEPTH	

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE **272 PSI** CASING WEIGHT - SURFACE AREA (3.14 x R²)

PRESSURE LIMIT **250 PSI** BUMP PLUG TO _____ PSI

ROTATE _____ RPM RECIPROCATATE _____ FT No. of Centralizers **1**

Head & Plugs TBG D.P. SQUEEZE JOB

Double WEIGHT TOOL TYPE

Single GRADE TAIL PIPE: SIZE DEPTH

Swage THREAD TUBING VOLUME Bbls

Knockoff NEW USED CASING VOL BELOW TOOL Bbls

TOP OR W BOT OR W DEPTH TOTAL Bbls

ANNUAL VOLUME Bbls

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME: 1300	DATE: 8-21-95	TIME: 1300	DATE: 8-21-95	TIME:	DATE:	
0001 to 2400											
1739	-	20	17.5	-	5	H ₂ O	8.3	PRE-JOB SAFETY MEETING			
1743	-	170	69	17.5	6	H ₂ O	8.3	START Pumping			
1755	-	90	35	69	4	Cmt	12.2	START both Slurry @ 12.2			
1804	-	0	-	-	4	Cmt	14.8	START Tail Slurry @ 14.8			
	-	-	-	-	-	-	-	All Cement Shut Down			
	-	-	-	-	-	-	-	Drop Plug			
1805	-	0	39.5	-	5	H ₂ O	8.3	START Displacement			
1811	-	200	-	-	5	H ₂ O	8.3	Lower Rate to 4BPM			
1812	-	200	-	-	4	H ₂ O	8.3	Lower Rate to 2 1/2 BPM			
1815	-	190	-	39.5	272	H ₂ O	8.3	All Displacement Shut Down			
								Shut Manifold in w/200 psi			

RECEIVED
 STATE CORPORATION COMMISSION
 OCT 13 1995
 CONSERVATION DIVISION
 Wichita, Kansas

REMARKS _____

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BLS	DENSITY	BLS	DENSITY		
1.	185	2.01	35% US H ₂ O	6% D20	2% S1	14% K029	69	12.2
2.	150	1.52	Class C	2% S1	1% VSK D29		35	14.8
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE _____ VOLUME _____ DENSITY _____ PRESSURE MAX. 350 MIN: 0

HESITATION SQ. RUNNING-SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO 30 Bbls

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 57.5 Bbls

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

PERFORMANCES _____ CUSTOMER REPRESENTATIVE **VANCE Schrupel** DS SUPERVISOR **FRAN Hoffman**

INVOICE

63366B
TEXACO SERVICES INC 239382138

ORIGINAL

P O BOX 2700
PAMPA TX 79066

PAGE	1
INVOICE DATE	08/24/95
INVOICE NUMBER	03-12-7442
TYPE SERVICE	CEMENTING CEMENT PRODUCTION

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF
DELTA 3	KS	STEVENS	ULYSSES	DOWELL	HRO 192081
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
SEC 29-32S-37H 433-977			08/24/95	RICHARD STEVENS	

ITEM CODE	DESCRIPTION	UOM	QTY	LIST PRICE	LIST AMOUNT	% OFF	NET PRICE	NET AMOUNT
102671030	CSNG CMNT 2501-3000' 1ST 8HR	8HR	1	1,390.0000	1,390.00	60.0	556.0000	556.00
049102000	TRANSPORTATION CMNT TON MILE	MI	730	1.0000	730.00	60.0	.4000	292.00
049100000	SERVICE CHG CEMENT MATL LAND	CFT	487	1.3600	662.32	60.0	.5440	264.93
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	159.0000	159.00	60.0	63.6000	63.60
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	32	2.9500	94.40	60.0	1.1800	37.76
040003000	D903, CEMENT CLASS C	CFT	476	9.0600	4,312.56	60.0	3.6240	1,725.02
045041100	D79, CHEMICAL EXTENDER	LBS	776	1.4400	1,117.44	60.0	.5760	446.98
044003025	D29, CELLOPHANE FLAKES	LBS	119	1.7700	210.63	60.0	.7080	84.25
048601000	CEMENT HEAD RENTAL	JOB	1	70.0000	70.00	100.0	.0000	N/C
050101044	SHOE CEM TYPE GUIDE 4-1/2"	EA	1	120.0000	120.00	60.0	48.0000	48.00
053003044	INSERT ORIFICE FILL 4-1/2"	EA	1	220.0000	220.00	60.0	88.0000	88.00
056011044	CENTR REG 4-1/2", DIA 7-3/4"	EA	3	58.0000	174.00	60.0	23.2000	69.60
056702044	PLUG CENG 4-1/2" TOP PLASTIC	EA	1	49.0000	49.00	60.0	19.6000	19.60
056000044	BASKET CENG CASING 4-1/2"	EA	1	162.0000	162.00	60.0	64.8000	64.80
057499001	K232, THD LKG COMPOUND KIT	EA	1	28.0000	28.00	60.0	11.2000	11.20
					9,499.35	60.2	SUB TOTAL --	3,771.74
M C	STATE TAX ON						2,849.45	139.63
M F C	LOCAL TAX ON						2,849.45	28.49
							AMOUNT DUE --	3,939.86

WITH QUESTIONS CALL 316-356-1272

FEDERAL TAX ID # 22-1692661

TERMS -- NET 30 DAYS DUE ON OR BEFORE SEP 23, 1995

THANK YOU. WE APPRECIATE YOUR BUSINESS.

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

7442

DATE

8-28-95

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

WELL NAME AND NO. LOFLIN #3	LOCATION (LEGAL) SCL 29-325-374	RIG NAME: Allen
FIELD-POOL Hugoton	FORMATION Shale	WELL DATA:
COUNTY/PARISH Stevens	STATE KS	API. NO.
NAME TEXACO		BIT SIZE 7 7/8 CSG/Liner Size 4 1/2
AND		TOTAL DEPTH 2900 WEIGHT 10.5
ADDRESS		ROT <input type="checkbox"/> CABLE FOOTAGE 2898
		MUD TYPE GRADE ORIGINAL
		MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 3.20
		MUD VISC. Disp. Capacity 2859
		DISP. CAPACITY 45.5

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

TYPE	Automatic Plug	TYPE	
DEPTH	2859	DEPTH	
TYPE	CMT nose	TYPE	
DEPTH	2898	DEPTH	

Head & Plugs TBG D.P. SQUEEZE JOB

Double SIZE WEIGHT GRADE TAIL PIPE: SIZE DEPTH

Single WEIGHT GRADE TAIL PIPE: SIZE DEPTH

Swage GRADE TAIL PIPE: SIZE DEPTH

Knockoff THREAD TAIL PIPE: SIZE DEPTH

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE **1920** PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)

PRESSURE LIMIT **2000** PSI BUMP PLUG TO **1420** PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers **3** *disk*

TIME	PRESSURE		VOLUME PUMPED bbl		JOB SCHEDULED FOR TIME: 19:00 DATE: 8-24			ARRIVE ON LOCATION TIME: 18:00 DATE: 8-24		LEFT LOCATION TIME: DATE:	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL			
21:26		2300				420	8.3	PRE-JOB SAFETY MEETING			
21:27		250	12	4	6	11	11	PSE TEST			
21:29		280	131	12	6	CMT	11.5	START 420			
21:52		180	47	143	6	CMT	14.8	START 1000			
22:00		190		190				START 1000			
22:03			46		6	420	8.3	SHUT DOWN WASH TO PIT			
22:07		250		20	6	11	11	DROP PLUG START DISP			
22:09		580		35	6	11	11	PSE CHECK			
22:10		480		36	2	11	11	PSE CHECK			
22:13		600		40	2	11	11	CROWD RATE			
22:15		1420		46	2	11	11	CMT. TO SURFACE			
								PUMP TOP PLUG			

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY
1.	275	2.75	C' + 3/4 SK D-29 + 1/4 SK D-29		131	11.5
2.						
3.	200	1.32	C' + 1/4 SK D-29		47	14.8
4.						
5.						
6.						

BREAKDOWN FLUID TYPE HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **46** bbls

Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT **46**

PERFORATIONS TO TO TO TO

CUSTOMER REPRESENTATIVE **Richard Stevens**

DS SUPERVISOR **Ref Pearson**

ALLEN DRILLING COMPANY

GREAT BEND, KANSAS

ORIGINAL

DAILY DRILLING RECORD

FOR 24 HOURS ENDING AT MIDNIGHT

8-19

19 95

RIG NO. 2

WELL OWNER

LEASE

WELL NO.

SECTION

TOWNSHIP

RANGE

COUNTY

STATE

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
				GEORGE MUNOZ 12
				RICARDO ESTRADA 12
				TERRY GRUBER 12
				EDGAR CISNEROS 12

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: Rig Up				
SIZE					
MAKE					
SERIAL NO.					
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
				Sergio Tinoco 12
				Juan Chavez 12
				Arturo Cabezas 12
				Juan M. Roa 12

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. 1	REMARKS:				
SIZE 12 1/4					
MAKE Reed					
SERIAL NO. R.2 648410					
SERIAL NO. Type 3335F					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS:				
SIZE					
MAKE					
SERIAL NO.					
SERIAL NO.					

ALLEN DRILLING COMPANY

DAILY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

8 - 20

19 95

RIG NO. 42

WELL OWNER

Texaco

LEASE

R. B. Loflin

WELL NO.

3

SECTION

29

TOWNSHIP

32

RANGE

37

COUNTY

Stevens

STATE

Ks

IF INJURED, SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

DRILLED FROM	TO	FEET DRILLED	FORMATION	DRILLER
				DERRICKMAN
				MOTORMAN
				HELPER
				HELPER

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.		REMARKS:				
SIZE						
MAKE						
SERIAL NO.						
SERIAL NO.						

DRILLED FROM	TO	FEET DRILLED	FORMATION	DRILLER
			Sand	Sergio Tinoco 8
				DERRICKMAN Juan Chavez 8
				MOTORMAN Arturo Cabezas 8
				HELPER Juan M. Roa 8
				HELPER

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	1	REMARKS: 7:00 - Mix Mud & Drlg R.H.N.H w/ 1/2" Surface P				
SIZE	12 1/4					
MAKE	HTC					
SERIAL NO.	V13704					
SERIAL NO.	HP115					

DRILLED FROM	TO	FEET DRILLED	FORMATION	DRILLER
				135 RT DRILLER GARY KESSEL 8
				DERRICKMAN MIKE KESSEL 8
				MOTORMAN MANUEL OLIVAS 8
				HELPER
				HELPER

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	1	REMARKS: 3:00 - 1 1/2" 16" BIG LIGHTS 9" W/D SURFACE P/Pe				
SIZE	12 1/4					
MAKE	HTC					
SERIAL NO.	V13704					
SERIAL NO.	HP115					

ALLEN DRILLING COMPANY

DAILY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT 8-21-95 RIG NO. #2
 WELL OWNER TEXACO LEASE R B LOFLIN WELL NO. 3
 SECTION 29 TOWNSHIP 32 RANGE 37 COUNTY STEVENS STATE KS
IF INJURED, SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
				GEORGE MUÑOZ 8
				RICHARDO ESTRADA 8
				TERRY GRUBER 8
				EDGAR CISNEROS 8

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	<u>1</u>	REMARKS: <u>1100 / 1150 Working on rig while waiting on surface pipe.</u>				
SIZE	<u>12 1/4</u>					
MAKE	<u>HTC</u>					
SERIAL NO.	<u>V13704</u>					
SERIAL NO. TYPE	<u>HP 11.5</u>					
	<u>H.O.B.</u>					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
<u>0</u>	<u>673</u>	<u>673</u>	<u>SAND & Red Bed</u>	Sergio Tinoco 8
				Juan Chavez 8
<u>W.D. 1</u>				Arturo Caberas 8
<u>D.L. 3</u>			<u>Cl. Lime</u>	Juan M. Roa 8
<u>Surf. 2</u>			<u>Survey @ 673</u>	
<u>Cl. 1/2</u>			<u>93</u>	
<u>T.O. 1/4</u>			<u>1</u>	
<u>W.D. 1/4</u>				

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	<u>1</u>	REMARKS: <u>7:00 - 8:00 W. O. Surface Pipe</u>				
SIZE	<u>12 1/4</u>	<u>8:00 - 1:00 D.L. 12 1/4 Hole w/ 1 1/2 hrs Conn</u>				
MAKE	<u>HTC</u>	<u>7:00 - 1:30 Circ</u>				
SERIAL NO.	<u>V13704</u>	<u>1:30 - 2:15 Draped S.S. #3 T.O. 1/4</u>				
SERIAL NO.	<u>HP 11.5</u>	<u>2:15 - 3:00 Rig up 8 5/8 tools & Run 8 7/8 Cas.</u>				
	<u>H.O.B.</u>					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
		<u>0</u>	<u>185 SACKS OF 35/5</u>	GARY KISSEL 8
			<u>FOZ-C 10%</u>	CARLOS MARTINEZ 8
			<u>1/4 SACK D 29</u>	MIKE KIESEL 8
			<u>150 SACKS CLASS C 2%</u>	OSCAR MARTINEZ 8
			<u>1/4 SACK D 29</u>	

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.		REMARKS: <u>5:00 - 4:30 Run 8 7/8 casing 4:30 - 6:15 Circ & Conn</u>				
SIZE		<u>6:15 - 4:00 with 10</u>				
MAKE		<u>Pick up pipe & change out P.C. & Valve</u>				
SERIAL NO.						
SERIAL NO.						

ALLEN DRILLING COMPANY

DAILY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

19 75 RIG NO. #2

WELL OWNER TEIACO LEASE R B LOFLIN

WELL NO. 3

SECTION 29 TOWNSHIP 32 RANGE 37 COUNTY STEVENS

STATE KS.

IF INJURED, SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

FROM DRILLED	TO	FEET DRILLED	FORMATION	DRILLER
673	766	93	CMT Plug	George Munoz
			SAND & RED BED	RICARDO ESTRADA
				TERRY GUBER
				EDGAR LISNEROS

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	2	REMARKS: 11:00 / 12:15 WDC 12:15 / 2:30 - BRK OUT & M.P. UP				
SIZE	7 7/8	2:30 / 7:00 - DRILL PLG & DRILL AHEAD.				
MAKE	HTC					
SERIAL NO. TYPE	ATS 1H					
SERIAL NO.	K85WC					
	3/4					

FROM DRILLED	TO	FEET DRILLED	FORMATION	DRILLER
766	1515	749	Red Bed	Sergio Tinoco
				Juan Chavez
			6-1 S. Ash T.D.F. HULLS	Arturo Cabezas
			12 1/2 gal 5	Juan M. Roa
			Clarissa Sand 1208	

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	2	REMARKS: 7:00 - 7:30 W/O Pump 11:30 - 11:15 D/Lg				
SIZE	7 7/8	7:30 - 8:00 D/Lg 1:15 - 1:45 W/O Pump				
MAKE	HTC	8:00 - 8:30 S. Rig 1:45 - 2:15 D/Lg				
SERIAL NO.	K85WC	8:30 - 11:15 D/Lg 2:15 - 2:30 Work on Pump				
SERIAL NO.	ATFH	11:15 - 11:30 Jct @ 1265' 2:30 - 3:00 D/Lg				
	6 3/4					

FROM DRILLED	TO	FEET DRILLED	FORMATION	DRILLER
1755	1754		Red + Red & Sand	GARY KESSEL
1754	1735		Hardy Dope	CARLOS MARTINEZ
1735	1797	772		MIKE KESSEL
				OSCAR MARTINEZ

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	2	REMARKS: 3:00 - 3:15 R/Lg 3:15 - 3:30 D/Lg 3:30 - 3:45 Flow				
SIZE	7 7/8	3:45 - 4:00 D/Lg & W/O PUMP 4:00 - 5:30 DRILL				
MAKE	ATF-1	5:30 - 9:15 OSS + TOH 4/BT #2 ATFH W/R #3 + W/O P				
SERIAL NO.	K85WC	4:15 - 17:00 DRILL				
SERIAL NO.	ATFH					
	8 1/2					

ALLEN DRILLING COMPANY

DAILY DRILLING RECORD

GREAT BEND, KANSAS

8-23-

19 95 #

FOR 24 HOURS ENDING AT MIDNIGHT

WELL OWNER TEYACO LEASE RB LOFLIN WELL NO. 12
 SECTION 29 TOWNSHIP 32 RANGE 27 COUNTY STEVENS STATE KS

FROM	DRILLED TO	FEET DRILLED	FORMATION	100 mft DRILLER	
1754	2230	476	RED RED AWAY	GEORGE MUNOZ	8
				RICARDO ESTADA	8
				TERRY GRUBER	8
				Edgar Cisneros	8

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. 3	REMARKS: 11:00 / 2:00 - DRILG w/ 1/4" V R5				
SIZE 7/8					
MAKE HTC RR					
SERIAL NO. K85WC RR					
SERIAL NO. 178 FAIT					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	
2230	2360	130	Red Bed	Sergio Tinoco	8
				Juan Chavez	8
				Arturo Cabezas	8
				Juan M. Red	8

Blowfinger

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. 3	REMARKS: 2:00 - 8:45 D-1g				
SIZE 7/8	8:45 - 9:00 S.Rg				
MAKE @ 1732' Reed	9:00 - 9:45 D-1g				
SERIAL NO. HP51X HP52	9:45 - 12:15 Bit Trip w/ Survey @ 2275'				
SERIAL NO. K85WC R.R.	12:15 - 3:00 Drlg				
H.B.B. 1234					

FROM	DRILLED TO	FEET DRILLED	FORMATION	135 MFT DRILLER	
2360	2640	280	shale	GARY KESSEL	8
				LARLOS MARTINEZ	8
				MIKE KESSEL	8
				OSCAR MARTINEZ	8

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. 4	REMARKS: 3:00 - 3:30 DRILG 3:30 - 4:00 V.R.G. 4 SET @ 2385'				
SIZE 1 1/8	4:00 - 7:45 DRILG 7:45 - 9:00 SET @ 2385' 9:00 - 11:00 DRILG				
MAKE Reed					
SERIAL NO. HPC					
SERIAL NO. RR					
H.B.B. 7/8					

ALLEN DRILLING COMPANY

DAILY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

8-24

1995

RIG NO. 2

WELL OWNER TEXACO

LEASE R B LOFLIN

WELL NO. 3

SECTION 29 TOWNSHIP 32 RANGE 27 COUNTY STEVEN'S STATE KS

IF INJURED, SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	100 WGT DRILLER	
2640	2880	290	SHALE	GEORGE MUNDL 8	
				DERRICKMAN	RICARDO ESTRADA 8
				MOTORMAN	TERRY GRODER 8
			17-GEL	HELPER	Edgar Cisneros 8
				HELPER	

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	4	REMARKS: 11:00/7:00 - DALLG w/1/4 RIG 1/4 ST. PIT				
SIZE	7 7/8					
MAKE	HVC					
SERIAL NO.	HP52					
SERIAL NO.	RR					
SERIAL NO.	17 1/4					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	
2890	2900	10	shale	Sergio Tinoco 8	
				10 WGT DERRICKMAN	Juan Chavez 8
				MOTORMAN	Arturo Caberas 8
			Log F.D. @	HELPER	Juan M. Roa 8
				HELPER	

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	4	REMARKS: 7:00-7:15 D-1g 11:15-2:30 T.H				
SIZE	7 7/8	7:15-8:15 Circ 8/8 Short trip 2:30-3:00 Circ				
MAKE	Reed	8:15-10:00 Short trip 25 Std Circ 20 min				
SERIAL NO.	HP52	10:00-11:00 Trip out 9/1g				
SERIAL NO.	R.R	11:00-7:15 Rig up log 1 leg				
SERIAL NO.	H.O.B	17 3/4				

FROM	DRILLED TO	FEET DRILLED	FORMATION	135 WGT DRILLER	
				GARY KISSEL 10	
				DERRICKMAN	CARLOS MARTINEZ 10
				MOTORMAN	MIKE KIESEL 10
				HELPER	OSCAR MARTINEZ 10
				HELPER	

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.		REMARKS: 3:00-3:30 c/c H 3:30-5:15 1/2 ODS 5:15-2:30				
SIZE		CELLAR WORK 2-2 3/4 Run 1/4 casing 2 1/2				
MAKE		cement c/c casing				
SERIAL NO.		10 5 - 1 00 Rig Down				
SERIAL NO.		11.00 Down 10 25				