

SIDE ONE

ORIGINAL

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

API NO. 15- 175-214870000

County Seward

C NW Sec. 22 Twp. 31S Rge. 32 X E W

Operator: License # 4742

3960 Feet from S/N (circle one) Line of Section

Name: Texaco E & P, Inc.

3960 Feet from E/W (circle one) Line of Section

Address P.O. Box 2700

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

City/State/Zip Pampa, TX 79066-2700

Lease Name ESTELLE SMITH Well # 22-2

Purchaser: Northern Natural Gas

Field Hugoton

Operator Contact Person: Sylvia Porter

Producing Formation Herrington, Krider, Winfield

Phone (806) 669-8456

Elevation: Ground 2857 KB 2867

Contractor: Name: Allen Drilling Co.

Total Depth 2900 PBDT 2852

License: 5418

Amount of Surface Pipe Set and Cemented at 567' Feet

Wellsite Geologist: Phil Schreiner

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion

If yes, show depth set _____ Feet

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

If Alternate II completion, cement circulated from _____

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

feet depth to _____ w/ _____ sx cmt.

Operator: _____

Drilling Fluid Management Plan alt I 3-14-96
(Data must be collected from the Reserve Pit) Li

Well Name: _____

STATE CORPORATION COMMISSION

Comp. Date _____ Old Total Depth 12-11-1995

Chloride content _____

Deepening Re-perf. Conv. to Inj/SWD

Dewatering method used _____

Plug Back _____ PBDT _____

Location of fluid disposal if hauled _____

Commingled _____ Docket No. _____

Operator Name _____

Dual Completion _____ Docket No. _____

Lease Name _____

Other (SWD or Inj?) _____ Docket No. _____

Quarter Sec. _____

09/02/95 09/05/95 9/28/95

Spud Date Date Reached TD Completion Date

County _____

*Lease well # 22-2
Elev. 2857*

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 Mark W. Anderson FOR DER, JR.

Title Operations Manager Date 12-6-95

Subscribed and sworn to before me this 7th day of December, 19 95

Notary Public Merle W. Russell

Date Commission Expires 2-23-99

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Drillers Timelog Received
Distribution		
<input checked="" type="checkbox"/>	KCC	SWD/Rep
<input type="checkbox"/>	KGS	Plug
		NGPA
		Other
		(Specify)

Operator Name Texaco E & P Inc. Lease Name Estelle Smith 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 (Attach Additional Sheets.) Yes No Log Formation (Top), Depth and Datums Sample

Samples Sent to Geological Survey Yes No

Cores Taken Yes No Name Top Datum

Electric Log Run (Submit Copy.) Yes No **See Attached**

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

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#	567'	See Att.		
Production	7-7/8"	4-1/2"	10.5#		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	2622 - 2632'	2500 Gal. 15% HCL w/754 bbls	
1	2649 - 2669'	20# gel wtr. w/133,320#	
1	2688 - 2710'	12/20 Brady Sand	
1	2726 - 2752'		

TUBING RECORD Size 2-3/8" Set At 2775' Packer At _____ Liner Run Yes No

Date of First Resumed Production, SWD or Inj. Production 9-28-95 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	14	125		

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 2622 - 2752'

ORIGINAL

ESTELLE SMITH #22-2

API #15-175-21487

Sec. 22-31S-32W

Stevens County, Kansas

Formation Tops and Datum

(KB Elevation +2867.0')

<u>Formation</u>	<u>Top</u>	<u>Datum</u>
Herrington	2622'	+245
Upper Krider	2649'	+218
Lower Krider	2688'	+179
Winfield	2726'	+141

RECEIVED
STATE CORPORATION COMMISSION

DEC 11 1975

CONSERVATION DIVISION
ST. LOUIS, MISSOURI

ORIGINAL

ESTELLE SMITH #22-2

API #15-175-21487

Sec. 22-31S-32W

Stevens County, Kansas

Cementing Data

8-5/8" Surface Casing Cement - Dowell Schlumberger Inc. Invoice #0312-7477

225 sacks 65/35 Class C Poz, 6% Gel, 2% CC, 1/4#/D-29

150 sacks Class C, 2% CC, 1/4#/D-29

Circulated approximately 10 bbls. cement to surface ✓

4-1/2" Production Casing Cement - Dowell Schlumberger Inc. Invoice #0312-7484

400 sacks Class C, 3% D-79, 1/4#/sk D-29

200 sacks Class C, 1/4#/sk D-29

Circulated approximately 45 bbls. cement to surface ✓

RECEIVED
STATE CORPORATION COMMISSION

DEC 11 1977

CONSERVATION DIVISION
ST. LOUIS, MISSOURI

Dowell

REMIT TO: P O BOX 201556
HOUSTON TX 77216

INVOICE

0312

Surf

633668
TEXACO SERVICES INC 239382138

P O BOX 2700
PAMPA TX 79066

ORIGINAL

INVOICE DATE

09/03/95

PAGE

1

INVOICE NUMBER

03-12-7477

TYPE SERVICE

CEMENTING
CEMENT SURFACE C

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
SMITH #22-2	KS	SEWARD	ULYSSES	DOWELL	HBO 192081
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
SEC 22-31S-32W 433 977			09/02/95	RED STEVENSON	

ACCOUNTING CODES

ITEM CODE	DESCRIPTION	UOM	QTY	LIST PRICE	LIST AMOUNT	% OFF	NET PRICE	NET AMOUNT
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	49	2.9500	144.55	60.0	1.1800	57.82
102871010	CSNG CMNT 501-1000' 1ST 8 HR	BHR	1	840.0000	840.00	60.0	336.0000	336.00
048601000	CEMENT HEAD RENTAL	JOB	1	70.0000	70.00	100.0	.0000	N/C
102171000	DUST SOCKS	EA	2	56.0000	112.00	60.0	22.4000	44.80
049102000	TRANSPORTATION CMNT TON MILE	MI	886	1.0000	886.00	60.0	.4000	354.40
049100000	SERVICE CHG CEMENT MATL LAND	CFT	410	1.3600	557.60	60.0	.5440	223.04
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	159.0000	159.00	60.0	63.6000	63.60
040003000	D903, CEMENT CLASS C	CFT	297	9.0600	2,690.82	60.0	3.6240	1,076.33
101545000	D132, LITEPOZ	CFT	79	4.3900	346.81	60.0	1.7560	138.72
045014050	D20, BENTONITE EXTENDER	LBS	1200	.1700	204.00	60.0	.0680	81.60
067005100	S1,CALCIUM CHLORIDE	LBS	681	.4000	272.40	60.0	.1600	108.96
044003025	D29, CELLOPHANE FLAKES	LBS	94	1.7700	166.38	60.0	.7080	66.55
053003005	INSERT ORIFICE FILL 8-5/8"	EA	1	360.0000	360.00	60.0	144.0000	144.00
056011005	CENTR REG 8-5/8, B DIA 12"	EA	1	82.0000	82.00	60.0	32.8000	32.80
056702005	PLUG CENG 8-5/8" TOP PLASTIC	EA	1	109.0000	109.00	60.0	43.6000	43.60
					7,000.56	60.4	SUB TOTAL --	2,772.22
M C	STATE TAX ON						2,046.96	100.31
M F C	LOCAL TAX ON						2,046.96	20.47
							AMOUNT DUE --	2,893.00

RECEIVED
STATE COMMISSION OF APPOINTMENT

DEC 4 1995

CONSERVATION DIVISION

WITH QUESTIONS CALL 316-356-1272

FEDERAL TAX ID # 22-1692661

TERMS -- NET 30 DAYS DUE ON OR BEFORE OCT 03, 1995

THANK YOU. WE APPRECIATE YOUR BUSINESS.

** WE CAN INVOICE YOU VIA EDI. CALL (713)275-8414 FOR INFORMATION **

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 03-12-7477 DATE 9-2-95
 STAGE DS DISTRICT Ulysses, Ks.

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

WELL NAME AND NO. **TBM Smith Estelle 22-2** LOCATION (LEGAL) **Sec. 22-31s-32w** RIG NAME: **Allen Drilling #2**

COUNTY/PARISH **Seward** STATE **Ks.** API. NO. _____

NAME **Texaco**

ADDRESS _____

ZIP CODE _____

SPECIAL INSTRUCTIONS _____

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

WELL DATA:	BIT SIZE 2 1/4	CSG/Liner Size 2 1/4	BOTTOM	TOP
TOTAL DEPTH 586	WEIGHT 24	FOOTAGE 578		
MUD TYPE	GRADE 255	THREAD 8ed		
MUD DENSITY 30	LESS FOOTAGE SHOE JOINT(S)	Disp. Capacity 35		TOTAL

ORIGINAL

STATE COMMISSION DIVISION

IS CASING/TUBING SECURED? YES NO CONSERVATION DIVISION

LIFT PRESSURE **238** PSI CASING WEIGHT SURFACE AREA (3.14 x R²)

PRESSURE LIMIT **800** PSI BUMP PLUG TO **800** PSI

ROTATE RPM RECIPROCATATE FT No. of Centralizers

Head & Plugs TBG D.P. SQUEEZE JOB

Double Single Swage Knockoff

TOOL TYPE DEPTH TAIL PIPE: SIZE DEPTH TUBING VOLUME Bbls CASING VOL. BELOW TOOL Bbls TOTAL Bbls ANNUAL VOLUME Bbls

JOB SCHEDULED FOR TIME **ASAP** DATE **9-2-95** ARRIVE ON LOCATION TIME **2330** DATE **9-2-95** LEFT LOCATION TIME **0430** DATE **9-3-95**

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0001 to 2400											
0248	1660				5.8	H2O					
0250	0	14			5.8	cmf	12.2				
0253	160	84			5.8	cmf	12.2				
0300	140		42		5.8	cmf	12.2				
0307	100	35			5	cmf	14.8				
0310	70		17		4	cmf	14.8				
0311	190		20		5.8	cmf	14.8				
0314	0										
0315	0	35			5	H2O					
0318	50		10		5	H2O					
0320	100		20		5						
0321	140		25		2						
0325	150		34		2						
0326	800		35		2						
0327											

SERVICE LOG DETAIL

PRE-JOB SAFETY MEETING **PSI Test**

start H2O a head

start lead cmf.

psi check

start tail cmf.

psi check

psi check

psi check

shut down deep top plug

start displacement

psi check

psi check

cmf to surface lower rate

bump top plug

bleed psi of check float a holding

END JOB

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY		
1.	225	2.10	55pcr	6% gel	2% cactz	4#1029	84	12.8
2.								
3.	150	1.32	class C	2% cactz	4#1029		35	14.8
4.								
5.								
6.								

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. **2750** PSI

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO **10** Bbls.

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **35** Bbls TYPE OF WELL OIL STORAGE BRINE WATER GAS INJECTION WILDCAT

Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE

PERFORMATIONS TO TO CUSTOMER REPRESENTATIVE **Richard Stevenson** DS SUPERVISOR **James Esquivel**

Dowell

REMIT TO:

P O BOX 201556
HOUSTON TX 77216

0312

Production

INVOICE DATE

09/06/95

PAGE

INVOICE NUMBER

1

03-12-7434

633668
TEXACO SERVICES INC 239382138

P O BOX 2700
PAMPA TX 79066

ORIGINAL

TYPE SERVICE

CEMENTING
CEMENT PRODUCTIO

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
SMITH # 22-2	KS	SEWARD	ULYSSES	DOWELL	192081
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
433 977 SEC 22-31 S-32 W			09/05/95	RICHARD STEVENS	

ACCOUNTING CODES

ITEM CODE	DESCRIPTION	UOK	QTY	LIST PRICE	LIST AMOUNT	% OFF	NET PRICE	NET AMOUNT
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	49	2.9500	144.55	60.0	1.1800	57.82
102871030	CSNG CMNT 2501-3000' 1ST 8HR	8HR	1	1,390.0000	1,390.00	60.0	556.0000	556.00
048601000	CEMENT HEAD RENTAL	JOB	1	70.0000	70.00	100.0	.0000	N/C
102171000	DUST SOCKS	EA	2	56.0000	112.00	60.0	22.4000	44.80
049102000	TRANSPORTATION CMNT TON MILE	MI	1417	1.0000	1,417.00	60.0	.4000	566.80
049100000	SERVICE CHG CEMENT MATL LAND	CFT	619	1.3600	841.84	60.0	.5440	336.74
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	159.0000	159.00	60.0	63.6000	63.60
040003000	D903, CEMENT CLASS C	CFT	602	9.0600	5,454.12	60.0	3.6240	2,181.65
045041100	D79, CHEMICAL EXTENDER	LBS	1129	1.4400	1,625.76	60.0	.5760	650.30
044003025	D29, CELLOPHANE FLAKES	LBS	150	1.7700	265.50	60.0	.7000	106.20
050101044	SHOE CEM TYPE GUIDE 4-1/2"	EA	1	120.0000	120.00	60.0	48.0000	48.00
053003044	INSERT DRIFICE FILL 4-1/2"	EA	1	220.0000	220.00	60.0	88.0000	88.00
056011044	CENTR REG 4-1/2, B DIA 7-3/4"	EA	3	58.0000	174.00	60.0	23.2000	69.60
056702044	PLUG CEMG 4-1/2" TOP PLASTIC	EA	1	49.0000	49.00	60.0	19.6000	19.60
056000044	BASKET CEMG 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
					12,232.77	60.2	SUB TOTAL --	4,865.11

M C STATE TAX ON
M F C LOCAL TAX ON

3,778.16 185.12
3,778.16 37.78

AMOUNT DUE -- 5,088.01

RECEIVED
STATE COLLECTOR'S COMMISSION

SEP 11 1995

COMPUTATION DIVISION

WITH QUESTIONS CALL 316-356-1272

FEDERAL TAX ID # 22-1692661

TERMS -- NET 30 DAYS DUE ON OR BEFORE OCT 06, 1995

THANK YOU. WE APPRECIATE YOUR BUSINESS.

** WE CAN INVOICE YOU VIA EDI. CALL (713)275-8414 FOR INFORMATION **

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

DATE

STAGE

DS

DISTRICT

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

WELL NAME AND NO.

LOCATION (LEGAL)

RIG NAME:

Smith #2

SEC, 22-315-32W

ALLEN 2

FIELD-POOL

FORMATION

WELL DATA:

BOTTOM

TOP

Hugoton

CHASE

BIT SIZE 7 3/8

CSG/Liner Size 4 1/2

COUNTY/PARISH

STATE

API. NO.

Seward

KS,

TOTAL DEPTH 2901

WEIGHT 10.5

ROT CABLE

FOOTAGE 2902

MUD TYPE

GRADE

BHST 92

THREAD 8RD

MUD DENSITY 10

LESS FOOTAGE SHOE JOINT(S) 2860

MUD VISC. 100S

Disp. Capacity 45.5

TOTAL

NAME TEXAGO / ALLEN #11g

AND

ADDRESS

ORIGINAL

ZIP CODE

SPECIAL INSTRUCTIONS

Supply costs 4 1/2 US per customer's orders as follows

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

SHOE	TYPE	DEPTH	TYPE	DEPTH
FLAT	autofill flat	2860		
	cmrose	2900		

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 1300 PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers

<input type="checkbox"/> Double	<input type="checkbox"/> TGB	<input type="checkbox"/> D.P.	SQUEEZE JOB	
<input checked="" type="checkbox"/> Single	SIZE	TOOL	TYPE	DEPTH
<input type="checkbox"/> Swage	<input type="checkbox"/> GRADE	TAIL PIPE: SIZE DEPTH		
<input type="checkbox"/> Knockoff	<input type="checkbox"/> THREAD	TUBING VOLUME Bbls		
TOP <input type="checkbox"/> OR <input type="checkbox"/> W	<input type="checkbox"/> NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL Bbls		
BOT <input type="checkbox"/> OR <input type="checkbox"/> W	DEPTH	TOTAL Bbls		
				ANNUAL VOLUME Bbls

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
0001 to 2400	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
					2:03:00	9-5	20:30	9-5			

TIME	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL	
								PRE-JOB SAFETY MEETING	
11:23		2000				H2O	8.3	PSI TEST	
11:24		40	8	X		"	"	START H2O	
11:26		340	208	8	6	CMT	11.5	START L.D. CMT	
11:46		130		122	4	CMT	11.5	LOWER RATE	
11:55				163		"	"	Shut Down CMT Down 5 Point	
02:00		120		181	6	"	"	Restart CMT	
02:07		60	45	216	2	CMT	14.8	START TL CMT	
02:17				236		"	"	shut down CMT Down 5 Point	
02:20		60		240	3	"	"	Restart TL CMT	
02:28				261				Shut Down Wash to Air	
02:31		90			6	H ₂ O	9.3	Drop Plug Start DISP	
02:31		90		15	6	"	"	CMT TO SURFACE	
02:37		530		36	6	"	"	LOWER RATE	
02:38		470		38	2	"	"	PSI CHECK	
02:41		630		45	2	"	"	PSI CHECK	
02:42		1310			2	"	"	BUMP PLUG	

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	400	217.5	C + 38 R-29 + 4 1/2 D-29		208	11.5
2.						
3.	200	102.2	C + 4 1/2 R-29		45	14.8
4.						
5.						
6.						

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX.	MIN.
<input type="checkbox"/> HESITATION SQ.	<input type="checkbox"/> RUNNING SQ.	CIRCULATION LOST	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Cement Circulated To Surface	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
BREAKDOWN	PSI FINAL	PSI	DISPLACEMENT VOL. 45.5	Bbls	TYPE OF WELL
Washed Thru Perfs	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE	<input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS	SUPERVISOR
			Richard STEVENS		RJ Pearson

ALLEN DRILLING COMPANY

DAILY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

9-2 - Estelle Smith #95 RIG NO. #2

WELL OWNER **TEXACO**

LEASE **H. H. GOOD**

WELL NO. #2

SECTION _____ TOWNSHIP _____ RANGE _____ COUNTY **SEWARD** STATE **KS**

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
				175 HRT GEORGE MUÑOZ 12				
						TERRY GRUBER 12		
						ENRIQUE O. HERMOSILLO 12		
								12 HRS

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: F/11:00 To 12:30 Cement 4 1/2 F/ Tear Down				
SIZE	Clean up + load out				
MAKE					
SERIAL NO.					
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
				100 HRT Sergio Tinoco 9				
					Juan Chavez 9			
					Arturo Cabezas 9			
					Juan M. Roa 9			

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: 7:00 - 4:00 Move Rig + Rig up Ready to Spud				
SIZE					
MAKE					
SERIAL NO.					
SERIAL NO.					

Estelle Smith #2

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
0	885		Red Bed	170 GARY KESSEL P2				
Rat Hole	2				CARLOS MARTINEZ 12			
Mouse Hole	2				OSCAR MARTINEZ 12			
Rig up	5 1/4							
Conn	23 1/4							
Drly	2 1/4							

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: 11:00 - 6:00 RIG UP + m/c m/c 6:00 - 6:45				
SIZE	DRIG mouse Hole + Rat Hole 6:45 - 10:45 DRIG 12 1/4 Hole				
MAKE	10:45 - 11:00 C/C H				
SERIAL NO.					
SERIAL NO.					

HOB. 2 1/4

ALLEN DRILLING COMPANY

DAILY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

9-3-

19 95 RIG NO. #

WELL OWNER *Texaco*

LEASE *Sm. T.H. Estelle (TBM)*

WELL NO. *22-2*

SECTION _____ TOWNSHIP _____ RANGE _____

COUNTY *Seward*

STATE *KS*

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
<i>585</i>	<i>585</i>		<i>Ran 14 JTS 24" New 858</i>	<i>815 MRS</i> <i>GEORGE MUÑOZ 8</i>			
			<i>Tally @ 565 set @ 567 w/</i>		<i>RICKARDO ESTRADA 1 HR.</i>		
			<i>225 SX 35/65 pot 6" obel 2%</i>				
			<i>22 1/4 # Flow</i>				
			<i>155x CLASS C 2" all 1/4 # Flow</i>		<i>TERRY GRUBER 8 1/2</i>		
			<i>plug Down @ 3:30 PM</i>				
			<i>By Donnell D. d. Cir.</i>				
			<i>SURVEY W 585 / 79</i>				
							<i>11 HRS</i>

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. _____ SIZE _____ MAKE _____ SERIAL NO. _____ SERIAL NO. _____	REMARKS: <i>66 / 11:15 - CIR. 11:15 / 12:00 - TOH 12:00 / 3:00</i>				
	<i>Run casing 2:30 / 2:45 - RIS UP CMT. CREW 2:15 / 3:00</i>				
	<i>CIR 3:00 / 3:30 CMT 85% 3:30 / 7:00 - W.O.C.</i>				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
<i>585</i>	<i>990</i>	<i>405</i>	<i>Red Bed</i>	<i>100 WRT</i> <i>Sergio Tinoco 8</i>			
					<i>Juan Chavez 8</i>		
			<i>D.C.W is 30000</i>			<i>Arturo Cabezas 8</i>	
							<i>Juan M. Roa 8</i>

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <i>2</i> SIZE <i>7 7/8</i> MAKE <i>INQ 585</i> <i>ATC</i> SERIAL NO. <i>ATJ 14</i> SERIAL NO. <i>T6182</i> <i>H.O.B 2 1/2</i>	REMARKS: <i>7:00 - 11:00 W.O.C. 1 Nipple up. B.O.P. 11:00 - 2 1/2 hrs Drlg Plug Cem</i>				
	<i>11:45 - 3:00 Drlg New 7 7/8 w 3/4 Conn</i>				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER
<i>990</i>	<i>1200</i>		<i>Red Bed 1st 500</i>	<i>GARY KISSEL 1 1/2</i>			
<i>1200</i>	<i>1370</i>		<i>Cherty</i>		<i>LORIS MARTINEZ 1 1/2</i>		
<i>1370</i>	<i>1650</i>		<i>Red Bed</i>				
<i>1650</i>	<i>1690</i>	<i>700</i>	<i>ANHYDRITE</i>			<i>MIKE KISSEL 2 1/2</i>	
<i>1690</i>	<i>214</i>						<i>OSCAR MARTINEZ 8</i>
<i>214</i>	<i>314</i>						
<i>314</i>	<i>412</i>						

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <i>2 3</i> SIZE <i>7 7/8</i> <i>AP 3</i> MAKE <i>HTC</i> <i>ROD</i> SERIAL NO. <i>MSJH 14PS</i> SERIAL NO. <i>T618 MKG 164</i> <i>NO R</i>	REMARKS: <i>3:00 - 4:00 DRLG 4:00 - 4:15 RIG 4:15 - 10:45</i>				
	<i>4:30 - 5:45 DRLG 5:45 - 6:00 SET #1 @ 120' DRLG 12:00 - 12:15</i>				
	<i>10:00 - 10:15 DRLG 11:00 - 11:00 POT F/line BOKS ON 9 TIGHT</i>				

ALLEN DRILLING COMPANY

DAILY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

9-4-

19 95 RIG NO. # 2

WELL OWNER **TEACO**

LEASE **Smith ESTELLE (TBM)**

WELL NO. **#22-2**

SECTION _____ TOWNSHIP _____ RANGE _____ COUNTY **SEWARD** STATE **KS**

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
1690	1980	290	AWAY S RED BED	GEORGE MUNOZ 8
BIT TIP	1			TERRY GROBER 8
CONN	3/4			OSCAR MARTINEZ 8
RIG	1/4			CARLOS MARTINEZ 8
JET	1/4			CARLOS MARTINEZ 8
REPAIRS	1/4			CARLOS MARTINEZ 8
CONN				CARLOS MARTINEZ 8
DRG	5 1/2			CARLOS MARTINEZ 8

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. #3	REMARKS: 11:00/12:00 - TH 10:00/7:00 - DRIG w/1/4 RIG				
SIZE 7/8	1/4 HV ST PITS 1/2 REPAIRS 1 HV CONN.				
MAKE REGO					
SERIAL NO. HP SIX					
SERIAL NO. TL161K67					
HOA					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
1980	2340	350	Red Bed	Sergio Tinaco 8
				Juan Chavez 8
DRG	5/4	Jet 1/4	Gel 35	Arturo Cabezas 8
Work on Pump	1/4		S. Ash 1	Juan M. Poo 8
Trips	1		Lime 2	
Conn	1			
S. Rig	1/4			

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. 3	REMARKS: 7:00 - 7:15 Drig				
SIZE 7/8	10:00 - 12:00 - lg				
MAKE IN 1692	7:15 - 7:30 Work on Pump				
SERIAL NO. HP SIX	12:00 - 12:15 Jet + 10/200				
SERIAL NO. KL71664	7:30 - 8:30 dropped flag Trip f/Hole @ 1919' @ 12:15 - 3:00 Drig w/1/16				
HOA	8:30 - 9:45 Drig				
	9:45 - 10:00 S. Rig				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
2340	2639	269	Red Bed	GARY KISSELL 8
1700	1770			CARLOS MARTINEZ 8
1740 RIG	1150		Red Bed	MIKE KIESEL 8
1640 Jet	102545	710	AWAY DRIG	OSCAR MARTINEZ 8
1/4 Conn				
6 1/4 DRIG				
			5:00 - 6:00 9:00 10:30	
			28 v.s 33 32	
			92 wt. 92 91	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. 3	REMARKS: 3:00 - 3:15 DRIG 3:15 - 3:30 RIG				
SIZE 7/8	3:30 - 7:45 DRIG, 7:45 - 8:00 Jet # 102545				
MAKE REGO	8:00 - 11:00 DRIG				
SERIAL NO. HP SIX	11:00 - 11:15 Jet # 102545				
SERIAL NO. KL71664	11:15 - 11:30 Jet # 102545				
HOA	11:30 - 11:45 Jet # 102545				

ALLEN DRILLING COMPANY

DAILY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

9-5-

19 75 RIG NO.

WELL OWNER **THEACO**

LEASE **Smith ESTELLE (TBM)**

WELL NO. **25-02-2**

SECTION **22** TOWNSHIP **31** RANGE **32**

COUNTY **SEWARD**

STATE **KS**

IF INJURED SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	OTHER
2639	2900	260	RED BED SHALE	85 MET	George Munoz 8
				DERRICKMAN	TERRY GROBER 8
				MOTORMAN	SERGIO ROJAS 8
			10 GEL 1/2 GAL JDF	HELPER	CHRIS MORLEN 8
				HELPER	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. F3	REMARKS: 11:00 - DRILL W/ 1 1/2" CONN 1/4" VRS 1/4" VRS				
SIZE 7/8	SET PIT 1/4" VRS REPAIRS (PROLOGRAPH LINE)				
MAKE REED					
SERIAL NO. HPSIX					
SERIAL NO. K67164					
HOB 1752					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	OTHER
P.T.D	L.T.D			100 MET	Sergio Tinoco 8
2900	2900			DERRICKMAN	Juan Chavez 8
			Service all Motors Fuel Filter & Oil Filters	MOTORMAN	Arturo Cabezas 8
1 1/4 Circ				HELPER	Juan M. Roa 8
1 1/2 Trip				HELPER	
1 1/4 W.O. Loggers					
4 Log					

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: 7:00 - 8:15 Circ 9 logs				
SIZE	8:15 - 9:45 Trip out 4 logs (dropped S.S.)				
MAKE	9:45 - 11:00 W.O. f/ loggers				
SERIAL NO.	11:00 - 3:00 Rig up loggers & log				
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	OTHER
2900	MDT			170 MET	GARY KIESEL 8
				DERRICKMAN	CARLOS MARTINEZ 8
				MOTORMAN	MIKE KIESEL 8
				HELPER	OSCAR MARTINEZ 8
				HELPER	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: 3:00 - 3:45 F in 4 logs				
SIZE	3:45 - 5:05 T.H. S. logs 5:30 S.C.T.H. S. 4:5 - 9:15 LOGS				
MAKE	9:15 9:45 10 Kelly R.C. in P casing & 10:45 - 11:00				
SERIAL NO.	RED 4 1/2 casing				
SERIAL NO.					

ALLEN DRILLING COMPANY

DAILY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

WELL OWNER

TEVA CO

LEASE

SMITH ESTELLE (TBM)

WELL NO.

95 #2
RIG NO. 22-2

SECTION

22

TOWNSHIP

31

RANGE

32

COUNTY

SEWARD

STATE

KS

IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS

WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
				85 WAT				
				GEORGE MUND 8				
				TERRY GRUBER 8				
				SERGIO ROJAS 8				
				CHRIS MOLLEN 8				

2900
TD

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: 11:00 / 11:15 - Rig up CMT CREW 11:15 / 11:45				
SIZE	Pumping CMT 12:45 / 1:00 - Rig down CMT CREW 1:00 /				
MAKE	7:00 - Rig down.				
SERIAL NO.					
SERIAL NO.					

FROM	DRILLED 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.					

FROM	DRILLED 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.					

WPS
11