

SIDE ONE

ORIGINAL

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 Co.  
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.) EIV

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 \_\_\_\_\_ PBTB  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
10-17-95 10-20-95 11-17-95  
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21396 700-00  
County Morton

C NE Sec. 4 Twp. 34S Rge. 40  E  W  
3960 Feet from S/N (circle one) Line of Section

1320 Feet from E/W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name Mattie Vansant Well # 4-3  
Hugoton

Producing Formation Krider, Winfield, Fort Riley

Elevation: Ground 3324' KB 3334'

Total Depth 2900' PBTB 2858'

Amount of Surface Pipe Set and Cemented at 540' 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 I  
(Data must be collected from the Reserve Pit) 4-18-96

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S 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 Mark W. Anderson FOR DER, JR.  
Title Operations Manager Date 1/16/96

Subscribed and sworn to before me this 18<sup>th</sup> day of JANUARY  
19 96  
Notary Public Merle W. Venell  
Date Commission Expires 2-23-99

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)

SIDE TWO

Operator Name Texaco E & P Inc. Lease Name Mattie Vansant Well # 4-3  
 Sec. 04 Twp. 34S Rge. 40  East County Morton  West

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:  
 Array Induction/3-Detector Density Comp.  
 Neutron/Microlog with GR

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#	540'	See Att.		
Production	7-7/8"	4-1/2"	10.5#	2899'	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)	
		Amount	Depth
1	2423' - 2434'	2000 Gal. 15% HCL w/135,260#	
1	2457' - 2467'	12/20 Brady Sand w/753 bb1.	
1	2496' - 2522'	20# crosslinked Gel	
1	2564' - 2574'		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	2583'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First Resumed Production, SWD or Inj. Production	Producing Method
	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	0		405		0			

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: 2423' - 2574'

ORIGINAL

**MATTIE VANSANT #4-3**

API #15-129-21396

Section 4-34S-40W

Morton County, Kansas

**Formation Tops and Datum**

(KB Elevation +3334.0')

<u>Formation</u>	<u>Top</u>	<u>Datum</u>
Upper Krider	2423'	+911
Lower Krider	2457'	+877
Winfield	2496'	+838
U. Ft. Riley	2564'	+770

RECEIVED  
STATE CORPORATION COMMISSION

JAN 22 1996

REGISTRATION DIVISION  
MORTON COUNTY, KANSAS

ORIGINAL

MATTIE VANSANT #4-3

API #15-129-21396

Section 4-34S-40W

Morton County, Kansas

Cementing Data

3 5/8" Surface Casing Cement - Dowell Schlumberger Inc. - Invoice #0312-7676

~~1175~~ sacks 35/65 Poz C, 6% D-20, 2% S-1, 1/4#/sk. D-29

~~350~~ sacks Class C, 2% S-1, 1/4#/sk. D-29

~~Circulated approximately 7.5 bbls. to surface~~

4 1/2" Production Casing Cement - Dowell Schlumberger Inc. - Invoice #0312-7699

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

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

~~Circulated approximately 50 bbls. to surface~~

Schlumberger

DOWELL SCHLUMBERGER INCORPORATED

Dowell

REMIT TO: P O BOX 281556  
HOUSTON TX 77216

INVOICE

0312

INVOICE DATE
10/17/95

633668  
TEXACO SERVICES INC 239382138

ORIGINAL

P O BOX 2700  
PAMPA

TX 79066

PAGE
1

INVOICE NUMBER
03-12-7876

TYPE SERVICE
CEMENTING CEMENT SURFACE C

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
VANSANT	KS	MORTON	ULYSSES	DOWELL	HBO 192081
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
SEC 4-34S-40W 433 977			10/16/95	R. STEVENSON	

ITEM CODE	DESCRIPTION	UOM	QTY	LIST PRICE	LIST AMOUNT	% OFF	NET PRICE	NET AMOUNT
102871010	CSNG CMNT 501-1000' 1ST 8 HR	8HR	1	840.0000	840.00	60.0	336.0000	336.00
049102000	TRANSPORTATION CMNT TON MILE	MI	766	1.0000	766.00	60.0	.4000	306.40
049100000	SERVICE CHG CEMENT MATL LAND	CFT	353	1.3600	480.08	60.0	.5440	192.03
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	159.0000	159.00	60.0	63.6000	63.60
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	49	2.9500	144.55	60.0	1.1800	57.82
040003000	D903, CEMENT CLASS C	CFT	264	9.0600	2,391.84	60.0	3.6240	956.74
101545000	D132, LITEPOZ	CFT	61	4.3900	267.79	60.0	1.7560	107.12
045014050	D20, BENTONITE EXTENDER	LBS	930	.1700	158.10	60.0	.0680	63.24
067005100	S1, CALCIUM CHLORIDE	LBS	593	.4000	237.20	60.0	.1600	94.88
044003025	D29, CELLOPHANE FLAKES	LBS	82	1.7700	145.14	60.0	.7080	58.06
056702085	PLUG CENG 8-5/8" TOP PLASTIC	EA	1	109.0000	109.00	60.0	43.6000	43.60
053003085	INSERT ORIFICE FILL 8-5/8"	EA	1	360.0000	360.00	60.0	144.0000	144.00
056011085	CENTR REG 8-5/8, B DIA 12"	EA	1	82.0000	82.00	60.0	32.8000	32.79
048601000	CEMENT HEAD RENTAL	JOB	1	70.0000	70.00	100.0	.0000	N/C
					6,210.70	60.4	SUB TOTAL --	2,456.28
M C	STATE TAX ON						1,806.82	88.54
M F C	LOCAL TAX ON						1,806.82	18.07
							AMOUNT DUE --	2,562.89

WITH QUESTIONS CALL 316-356-1272  
FEDERAL TAX ID # 22-1692661

THANK YOU. WE APPRECIATE YOUR BUSINESS.

TERMS -- NET 30 DAYS DUE ON OR BEFORE NOV 16, 1995

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

**CEMENTING SERVICE REPORT**

Schlumberger

Dowell

**DOWELL SCHLUMBERGER INCORPORATED**

TREATMENT NUMBER

7670

DATE

10-16-95

STAGE

DS

DISTRICT

03

12

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

WELL NAME AND NO. **VAUGHAN 3**

LOCATION (LEGAL) **SEC 4-349-40W**

FIELD-POOL **Hudson**

FORMATION **@ SURFACE**

COUNTY (PARISH) **MORTON**

STATE **KS** API. NO.

NAME **TEXACO**

AND **ORIGINAL**

ADDRESS

ZIP CODE

RIG NAME: **Allen 2**

WELL DATA: BOTTOM TOP

BIT SIZE **12 1/2** CSG/Liner Size **8 1/2**

TOTAL DEPTH **23** WEIGHT **23**

ROT  CABLE FOOTAGE **650**

MUD TYPE GRADE **U350**

BHST  BHCT THREAD **8RD**

MUD DENSITY LESS FOOTAGE SHOES JOINT(S) **5.71** TOTAL

MUD VISC. Disp. Capacity **32.5**

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

SPECIAL INSTRUCTIONS

**Deploy 85 gal per customer orders**

IS CASING/TUBING SECURED?  YES  NO

LIFT PRESSURE **230** PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>)

PRESSURE LIMIT **2000** PSI BUMP PLUG TO **820** PSI

ROTATE RPM RECIPROCATE FT. No. of Centralizers

Float TYPE **CENTRO-FILL** DEPTH **511**

Stage Tool TYPE DEPTH

SHOE TYPE **MAX POWER** DEPTH **550**

Head & Plugs  TBG  D.P. SQUEEZE JOB

Double SIZE TYPE

Single  WEIGHT DEPTH

Swage  GRADE TAIL PIPE SIZE DEPTH

Knockoff  THREAD TUBING VOLUME Bbls

TOP  NEW  USED CASING VOL. BELOW TOOL Bbls

BOT  NEW  USED 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	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
03:08		1150				10/16		21:30	10/16		
03:10		100	13.5		6.0	H <sub>2</sub> O	8.3				
03:13		220	64	135	6.0	CMC	12.2				
03:24		140	35	79.5	6.0	CMC	14.8				
03:31		0		114.5							
03:31		-	32.5		6.0	H <sub>2</sub> O	8.3				
03:39		240	25	25	6.0	H <sub>2</sub> O	"				
03:40		200	24	26	2.0	H <sub>2</sub> O	"				
03:41		830		325	2.0	H <sub>2</sub> O	"				
03:41		220				H <sub>2</sub> O	"				

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1	175	2.1	25	02	65	C + 16% D-20 + 2% S-1 + 4% SK D-29	66	12.2
2	150	4.32				C + 2% S-1 + 4% SK D-29	32	14.8

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. MIN.

HESITATION SQ.  RUNNING SQ. CIRCULATION LOSS  YES  NO Cement Circulated To Surf.  YES  NO **7.5** Bbls

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **32.5** Bbls TYPE OF WELL  OIL  GAS  STORAGE  BRINE WATER  WILDCAT **20**

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

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **Richard Stevenson** DS SUPERVISOR **Rep Pearson**

Schlumberger

Dowell

REMIT TO: P O BOX 201556  
HOUSTON TX 77216

ORIGINAL  
**INVOICE**

0312

633668  
TEXACO SERVICES INC 239382138

P O BOX 2700  
PAMPA TX 79066

ORIGINAL

PAGE	1
INVOICE NUMBER	633668
TYPE SERVICE	CEMENTING CEMENT PRODUCTIO

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
VANSANT 3	KS	MORTON	ULYSSES	DOWELL	HBO 192081
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
SEC 4-34S-40W 433-977			10/19/95	R. STEVENSON	

ITEM CODE	DESCRIPTION	UOM	QTY	LIST PRICE	LIST AMOUNT	% OFF	NET PRICE	NET AMOUNT
102871030	CSNG CMNT 2501-3000' 1ST 8HR	BHR	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
049102000	TRANSPORTATION CMNT TON MILE	MI	1418	1.0000	1,418.00	60.0	.4000	567.20
049100000	SERVICE CHG CEMENT MATL LAND	CFT	618	1.3600	840.48	60.0	.5440	336.19
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	159.0000	159.00	60.0	63.6000	63.60
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	49	2.9500	144.55	60.0	1.1800	57.82
040003000	D903, CEMENT CLASS C	CFT	602	9.0600	5,454.12	60.0	3.6240	2,181.65
045041100	D79, CHEMICAL EXTENDER	LBS	1128	1.4400	1,624.32	60.0	.5760	649.73
044003025	D29, CELLOPHANE FLAKES	LBS	150	1.7700	265.50	60.0	.7080	106.20
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, B DIA 7-3/4"	EA	3	58.0000	174.00	60.0	23.2000	69.60
056008044	BASKET CENG CASING 4-1/2"	EA	1	162.0000	162.00	60.0	64.8000	64.80
056702044	PLUG CENG 4-1/2" TOP PLASTIC	EA	1	49.0000	49.00	60.0	19.6000	19.60
057499001	K232, THD LKG COMPOUND KIT	EA	1	28.0000	28.00	60.0	11.2000	11.19
					12,118.97	60.2	SUB TOTAL --	4,819.58
H C	STATE TAX ON						3,805.96	186.50
H F C	LOCAL TAX ON						3,805.96	38.06
							AMOUNT DUE --	5,044.14

WITH QUESTIONS CALL 316-356-1272

FEDERAL TAX ID # 22-1692661

TERMS -- NET 30 DAYS DUE ON OR BEFORE NOV 18, 1995

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