

FORM MUST BE TYPED

ORIGINAL

SIDE ONE

CONFIDENTIAL

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

API NO. 15-129-21354-00-00

County MORTON

E/2 - E/2 - W/2 - SW Sec. 21 Twp. 33S Rge. 41 E
1317 Feet from X (circle one) Line of Section
1250 Feet from W (circle one) Line of Section

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

Lease Name NININGER "A" Well # 1

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 3336.9 KB --

Total Depth 2425 PBDT 2350

Amount of Surface Pipe Set and Cemented at 537 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 1 294 4-3-96
(Data must be collected from the Reserve Pit)

Chloride content 500 ppm Fluid volume 400 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite: **KCC**

Operator Name **APR 6 KCC**

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. **CONFIDENTIAL**

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ~~NA~~ Anadarko Trading Co. 19

Operator Contact Person: J. L. ASHTON

Phone (316) 624-6253 **RELEASED**

Contractor: Name: NORSEMAN DRILLING INC.

License: 3779 **31 1997**

Wellsite Geologist: NA

Designate Type of Completion **FROM CONFIDENTIAL**

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

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. _____

12-9-94 12-12-94 4-6-95

Spud Date Date Reached TD Completion Date

~~WAITING ON PIPELINE~~

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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.

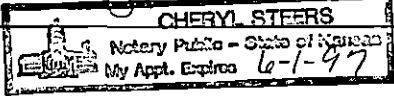
Signature L. Marc Harvey
L. MARC HARVEY

Title DRILLING TECHNICAL ASSISTANT Date 4-6-95

Subscribed and sworn to before me this 6th day of April, 1995.

Notary Public Cheryl Steers

Date Commission Expires _____



*# Per Marc Harvey 6.12.95

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution: KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Form ACO-1 (7-91) RECEIVED STATE CORPORATION COMMISSION

APR - 7 1995

CONSERVATION DIVISION WICHITA, KANSAS

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name NININGER "A" Well # 1

Sec. 21 Twp. 33S Rge. 41 East West
 County MORTON

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.)

Log Formation (Top), Depth and Datums Sample
 Name Top Datum
 WELLINGTON 1948
 KRIDER 2113
 WINFIELD 2168
 FT. RILEY 2302

List All E.Logs Run: CCL-CBL-GR, DIL, CNL-LDT, MSFL.

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	537	PREM PLUS LT/ PREM PLUS	150/150	2%CC/ 2%CC
PRODUCTION	7 7/8	5 1/2	15.5	2425	CLASS C/ CLASS C	140/40	20%DCD, 2%CC 1/4#/SX FLC/ 10%DCD, 2%CC 1/4#/SX FLC

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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	
		4	2114-2118
2	2012-2015, 1974-1978, 1952-1956	ACID 600GAL 7 1/2% FEHCL FRAC:14000GAL 25# LNR GLD WTR & 37500# 20/40 SD	2012-2015' 1974-1978' 1952-1956'

TUBING RECORD Size 2 3/8 Set At 2128 Packer At _____ Liner Run Yes No

Date of First Resumed Production, SWD or Inj. June 9, 1995 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours: Oil _____ Bbls. Gas 416 Mcf Water 48 Bbls. Gas-Oil Ratio _____ Gravity _____

Disposition of Gas: ** METHOD OF COMPLETION Production Interval
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, submit ACO-18.) Other (Specify) _____ 1952-2118 (OA)
 ** WAITING ON PIPELINE

CONFIDENTIAL

ORIGINAL

NORSEMAN DRILLING, INC.
WICHITA, KANSAS
DRILLERS' WELL LOG

WELL NAME: NININGER "A" #1
SECTION 21-33S-41W
MORTON COUNTY, KANSAS

API # 15-129-21354
KUL

COMMENCED: DECEMBER 08, 1994

COMPLETED: DECEMBER 13, 1994

APR 6

OPERATOR: ANADARKO PETROLEUM CORPORATION

CONFIDENTIAL

Depth From	To	Formation	Remarks
0	1144	Sand & Redbed	Ran 13 jts of 24#
1145	1320	Glorietta Sand	8 5/8" csg set @
1321	2114	Redbed & Shale	545'; w/150 SX of
2115	2425	Lime - Shale	Premium Plus Light;
		RELEASED	2% CC; Tailed w/150
		JUL 31 1997	SX Premium Plus; 2%
			CC; Plug down at
			1:15 a.m. on
			12/10/94.

FROM CONFIDENTIAL
Ran 56 jts 5 1/2" 15.5#, Set @ 2428'; w/140 SX Class C; 20% Diacel D; 2% CC; 1/4# Flocele; Tailed w/40 SX Class C; 10% Diacel D; 2% CC; 1/4# SX Flocele; Plug down at 9:15 a.m., on 12/13/94.

STATE OF KANSAS

)I, the undersigned, being duly sworn on
)oath, state that the above Drillers' Well
)Log is true and correct to the best of my
)knowledge and belief and according to the
)records of this office.

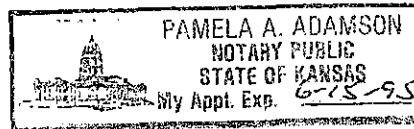
COUNTY OF SEDGWICK

NORSEMAN DRILLING, INC.

James P. Reilly
JAMES P. REILLY, PRESIDENT

Subscribed & sworn to before me this

December 15, 1994



My Appointment Expires:

June 15, 1995

Pamela A. Adamson
Pamela A. Adamson, Notary Public
340 Seville
Wichita, KS 67209



JOB LOG HAL-2013-C

CUSTOMER Anadarko	WELL NO. H1	LEASE WININGER A	JOB TYPE 8518 Surface Pipe	TICKET NO. 635447
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1900							Called out For 2136
	2120							ON Location - Rig Circulating
	2145							Set up Co. TRUCK
	2150							Stand Back D.P.
	2150							SAFETY MEETING
	2300				APR 6			Run 8518 casing
	0025							PIPE ON Bottom
	0030							Change out elevator
	0035							Stab Head and Hook up Circ. Iron
	0040							BREAK Circulation
	0058							Hook to Halliburton
	0100	6	55				250	Mix 150 SKS LEAD CEMENT AT 12.3PPG
	0108	6	35.2				200	Mix 150 SKS Tail CEMENT AT 14.8PPG
	0114							Shut Down
	0115	6	31.8				200	Drop Plug + Displace CEMENT
	0118	6					250	Cement to Surface - 15 Bbl
	0123	3/10					250/150	Plug Down - Float Held
								Job Complete
								CEMENT Circulated - 15 Bbl
								41 SKS
								CONFIDENTIAL
								Thanks For Calling Halliburton WES & CREW
								RELEASED
								MAR 31 1997
								FROM CONFIDENTIAL
								RECEIVED STATE COMMISSION
								APR - 7 1995
								SEMPER PARATUS TOPIA, KANSAS



HALLIBURTON

HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 63544.7

FORM 1911 R-10

42 PLC

CUSTOMER APC

WELL Nininger

DATE 12-9-94

PAGE OF

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
504-050	516.00265				Premium Plus Cement	150	sk				11.19	1678.50
504-120					Premium Plus Light	150	sk				10.02	1503.00
504-050	516.00265					98	sk					
505-105	516.00286					3848	lb					
506-121	516.00259					8	sk					
509-406	890.50812				Calcium Chloride 20/300sk	5	sk				36.75	183.75
<p>ORIGINAL</p> <p>APR 6 1997</p> <p>CONFIDENTIAL</p> <p>CONFIDENTIAL</p> <p>RELEASED</p> <p>JUL 31 1997</p> <p>FROM CONFIDENTIAL</p>												
500-207					SERVICE CHARGE						1.35	418.50
500-306					MILEAGE CHARGE						95	417.72
					TOTAL WEIGHT	28,360						
					LOADED MILES	31						
					TON MILES	439.70						

No. B/268278

CONTINUATION TOTAL

4201.97

WELL DATA

FIELD: Hugoton SEC: 21 TWP: 22S RNG: 41W COUNTY: Nowata STATE: KS

FORMATION NAME: _____ TYPE: _____
FORMATION THICKNESS: _____ FROM: _____ TO: _____
INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
COMPLETION DATE: _____ MUD TYPE: _____ MUD WT.: _____
PACKER TYPE: _____ SET AT: _____
BOTTOM HOLE TEMP.: _____ PRESSURE: _____
MISC. DATA: _____ TOTAL DEPTH: _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.5	5K	0	24.0	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE: <u>2-13-91</u>	DATE: <u>12-13-91</u>	DATE: <u>12-13-91</u>	DATE: <u>12-13-91</u>
TIME: <u>0005</u>	TIME: <u>0230</u>	TIME: <u>0800</u>	TIME: <u>0930</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>AUTO Fill</u>	<u>1</u>	<u>H</u>
FLOAT SHOE <u>Insert</u>	<u>1</u>	<u>0</u>
GUIDE SHOE <u>REG</u>	<u>1</u>	<u>W</u>
CENTRALIZERS <u>54</u>	<u>14</u>	<u>C</u>
BOTTOM PLUG		<u>0</u>
TOP PLUG <u>SW</u>	<u>1</u>	
HEAD <u>PC</u>	<u>1</u>	
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Nicholas</u>	<u>40078</u>	<u>Liberal</u>
<u>H. T. Jones</u>	<u>4903</u>	<u>11</u>
<u>S. Porter</u>	<u>4449</u>	<u>Hugoton</u>
<u>C. G. L. B.</u>	<u>75505</u>	
<u>KCC</u>	<u>4444</u>	
	<u>6612</u>	

APR 6
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MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. °API
DISPL. FLUID _____ DENSITY _____ LB./GAL. °API
PROP. TYPE _____ SIZE _____ LB.
ACID TYPE _____ GAL. _____ %
SURFACTANT TYPE _____ GAL. _____ IN
NE AGENT TYPE _____ GAL. _____ IN
FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN
GELLING AGENT TYPE _____ GAL.-LB. _____ IN
FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN
BREAKER TYPE _____ GAL.-LB. _____ IN
BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN
PERFPAC BALLS TYPE _____ QTY. _____
OTHER _____

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DEPARTMENT: Contract
DESCRIPTION OF JOB: for long string
JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
CUSTOMER REPRESENTATIVE: X
HALLIBURTON OPERATOR: Charles E. Nicholas COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>140</u>	<u>Pinnacle Plus</u>			<u>20% D. and 1" D. 27-CC. 44" Flocite</u>	<u>2.69</u>	<u>12</u>
	<u>40</u>	<u>Pinnacle Plus</u>			<u>10% D. and 1" D. 27-CC. 44" Flocite</u>	<u>2.09</u>	<u>13</u>

PRESSURES IN PSI
CIRCULATING _____ DISPLACEMENT _____
BREAKDOWN _____ MAXIMUM _____
AVERAGE _____ FRACTURE GRADIENT _____
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____
HYDRAULIC HORSEPOWER _____
ORDERED _____ AVAILABLE _____ USED _____
AVERAGE RATES IN BPM _____
TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET: 40 REASON: Insert float

SUMMARY

VOLUMES
PRESLUSH: BBL.-GAL. _____ TYPE _____
LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 571
CEMENT SLURRY: BBL.-GAL. 67-14.8
TOTAL VOLUME: BBL.-GAL. _____
REMARKS: JUL 31 1997

FROM CONFIDENTIAL

RECEIVED
STATE COMMISSION
APR - 7 1995
CONSERVATION DIVISION
WICHITA, KANSAS

JOB LOG HAL-2013-C

 CUSTOMER **Amudanko PET** WELL NO. **1** LEASE **Nininger 'A'** JOB TYPE **5 1/2 Long string** TICKET NO. **705730**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0005							Called out
	0230							on location for 0400
								Rig up
								Safety meeting
								APR 6
								CONFIDENTIAL
	0430							Run pipe
	0810							Drop Ball
	0812							Circulate with Rig Pump
	0840							hook up cement line
	0842	6	10		✓		250	START KCL water
	0846	6	30		✓		250	START mud flush
	0853	6	10		✓		250	START KCL water
	0855	6	67		✓		200	START lead cement
	0900	6	14.8		✓		200	START tail cement
	0901							Last Circulation for 107015661
	0904							Got circulation
	0905							Wash up Truck
	0908							Release plug
	0909	5	57.1		✓		150/530	Displace plug
	0921	1			✓		1050	Land plug float held
								Circulated during flush
								fell back AFTER plug landed
								No cement or mud flush
								to surface

ORIGINAL

CONFIDENTIAL

RELEASED

JUL 31 1997

FROM CONFIDENTIAL



HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

CHARGE TO: _____
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

COPY

TICKET

No.

705730 - 3

PAGE 1 OF _____

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY/OFFSHORE LOCATION	DATE	OWNER
1.							
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		U/M	U/M				
	ORIGINAL				MILEAGE						

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RELEASED JUL 3 1 1997

FROM CONFIDENTIAL

APR 6

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: **X**

DATE SIGNED: _____ TIME SIGNED: _____ A.M. P.M.

I do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		SURVEY		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					FROM CONTINUATION PAGE(S)
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO					SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) _____ CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) **X** HALLIBURTON OPERATOR/ENGINEER _____ EMP # _____ HALLIBURTON APPROVAL _____

