

JUL 26 AUG 25 1992

SIDE ONE

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

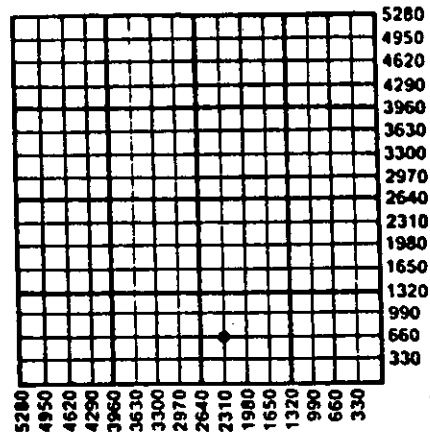
Operator: License # 30658
Name: ANR Production Company
Address 211 N. Robinson, Suite 1700
One Leadership Square
City/State/Zip Oklahoma City, OK 73102
Purchaser: AFG (gas) Coastal-Derby (oil)
Operator Contact Person: John D. Perry
Phone (405) 239-7031
Contractor: Name: Allen Drilling Company
License: #5418
Mellsite Geologist: Kevin C. Davis

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWM: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
Drilling Method:
 Mud Rotary Air Rotary Cable
03/05/91 03/13/91 05/15/91
Spud Date Date Reached TD Completion Date

API NO. 15- 165-21,554 **CONFIDENTIAL**

County Rush
W/2 SW SE Sec. 36 Twp. 16S Rge. 18 East West
660 Ft. North from Southeast Corner of Section
2310 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Honderick Well # 1-36
Field Name Reichel West
Producing Formation Granite Wash
Elevation: Ground 2057' KB 2062'
Total Depth 3771' PBD 3715'



Amount of Surface Pipe Set and Cemented at 1201 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set -NA- Feet
If Alternate II completion, cement circulated from -NA-
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 John D. Perry by EPR
Title District Drilling Supt. Date 7/26/91
Subscribed and sworn to before me this 26 day of July, 1991.
Notary Public Linda Black
Date Commission Expires Nov 28, 1994

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution 07-22-91
 KCC 1111 2 SCD/1031 NGPA
 KGS Plug Other
(Specify)

PI

SIDE TWO

Operator Name ANR Production Company Lease Name Honderick Well # 1-36

Sec. 36 Twp. 16S Rge. 18 East West
 County Rush

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 (Sidewall) Yes No

Electric Log Run Yes No
 (Submit Copy.)

Micro Log
 Spectral Density - Neutron II
 Compensated Sonic
 High Resolution Induction

Formation Description		
Name	Top	Bottom
Topeka	3051	
Heebner	3286	
Toronto	3302	
Lansing	3334	
Base Kansas City		3567
Granite Wash(Penn Clastics)	3600	
Pre-Cambrian Granite	3744	

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
Surface	12-1/4	8-5/8	24#	1201	Lite	525	3% CaCl
					Class A	100	3% CaCl
Production	7-7/8	5-1/2	17#	3770	Lite	300	
					Standard	135	18% Salt

Shots Per Foot	PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
2	3684-94	10'	1000 gal 15% SWIC Acid	3684-94
2	3668-74	6'	2000 gal 15% SWIC Acid	3668-94
2	3704-14	10'	2000 gal 15% FE Acid	3684-370
2	3634-59	25'	Frac w/2144 bbl cross-linked	
2	3600-30	30'	gelled wtr w/17500# 100 mesh sd, 180000# 12/20 sd & 434 MSCF N2	3600-3714

TUBING RECORD

Size	Set At	Packer At	Liner Run
2-3/8	3545	3545	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First Production 05/15/91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours 6/15/91 Oil 23 Bbls. Gas 643 Mcf Water 176 Bbls. 27957 Gas-Oil Ratio CF/BBL Gas .67 Gravity Oil 36.5° API

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 _____

15-165-21554-0000

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AUG 25 1992
FROM CONFIDENTIAL

DRILLSTEM TEST REPORT

Prospect Name: Carol

Date: 03/11/91

Well Name: Honderick #1-36

DST No. 2 Test Interval: 3583-3618'

Formation Tested: Basal Penn Clastics (Granite Wash)

Initial Flow: 15 Min Strong blow to btm of 5 gal bucket. Gas to surface in 15 min.

Initial Shut-in: 45 Min.

Final Flow: 30 Min Initial flow 106 MCFPD @ 17# FDPP 3/4" plate increased to 113 MCF @ 19# FDPP, final flow 81.6 @ 10# FDPP. No fluid to surface.

Final Shut-in: 90 Min

Recovery:

<u>1200</u>	Ft &	<u>17</u>	Bbls	<u>slightly gas cut mud</u>
_____	Ft &	_____	Bbls	_____
_____	Ft &	_____	Bbls	_____
_____	Ft &	_____	Bbls	_____

Flowing DST Data _____

Chlorides: Recoveries 8000 ppm
 nH ppm Rw .85 @ 60 °F

15 1991

EC JDA FILE
JUL 26 3:20 PM '91
JUL 26 03/14/91
3:20 PM - ERM

CORE DESCRIPTION

JUL 26

RELEASED

ANR 36-16-18 #1 Honderick
Sec. 36-16S-18W
Rush Co., KS

CONFIDENTIAL

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FROM CONFIDENTIAL

- 3694' Grnt gneiss 15-20% w. qtz, 55-60% feld, plag 10-15%, bio 10-15% alignment
- 3679' Mica schist 70-75% grn mineral chlorite-mica, 10-15% qtz, 20-25% biotite weathered
- 3661' Grnite gneiss 35-40% qtz, 35-45% feld, 5-15% bfo aligned, 5-10% plag
- 3650' Granite 20-25% qtz, feld 60-70%, bio 5-10%, plag 15-20%, gract'd, secondary minor on fract's, weathered in fract, biotite/chlorite grn minerals, poss. 2nd calcite, fract filled with grn min (chl)
- 3640' Granite gneiss 15-20% qtz, feld 60-70%, bio 5-10% (weath) aligned abundant fract'd poss 2nd calcite
- 3620' Granite gneiss, 15-20% qtz, feld 60-70%, (align) bio 5-15%, plag 5-15%
- 3613' Qtzite, qtz 45-50%, feld 25-30%, plag 5-10%, bio 5-10%, heavily fractured, blk residue & calcite in fractures, pitted, weathered, brite yllw flou on main, sli oil stn on base of core
- 3604' Crs xtln qtzite 45-50%, feld 25-30%, bio 5-10%, plag 5-10%, heavily fract'd frac filled w/abund tarry blk residue, some filled w/cal, heavily weathered and pitted, oil show on base of core, gas bubbles absorbed wtr easily
- 3603' A/A abundant 2nd calcite in fractures

KCC
JUL 26

file

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FROM CONFIDENTIAL

**CORE SAMPLE DESCRIPTIONS
#1 HONDERICK
SEC. 36-T16-R18W
RUSH COUNTY, KANSAS**

CORE #1 (3679)--MICA SCHIST

Biotite--20-25% Some weathered
Quartz-- 10-15%
Green Minerals--70-75% Possibly chlorite

CORE #2 (3661)--GRANITE GNEISS

Quartz--35-40%
Feldspar--35-45%
Plagioclase--5-10%
Biotite--5-15%
Alignment of biotite in sample

CORE #3 (3650)--GRANITE

Quartz--20-25%
Feldspar--60-70%
Plagioclase--15-20%
Biotite--5-10%
Core is fractured. Core broke on fracture plane. Secondary mineralization on fracture surface. Minerals are: Weathered biotite, green minerals (possibly chlorite) and possibly secondary quartz. Most of the fracture is filled with green minerals

CORE #4 (3640)--GRANITE GNEISS

Quartz--15-20%
Feldspar--60-70%
Biotite--5--10%
Plagioclase--5%
Alignment of Biotite in sample. Abundant fractures possibly filled with secondary calcite.

CORE #5 (3620)--GRANITE GNEISS

Quartz--25-30%
Feldspar--45-50%
Plagioclase--5-15%
Biotite--5-15%
Alignment of Biotite in sample.

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CORE #6 (3604)--POSSIBLY QUARTZITE

MEDIUM CRYSTALLINE

AUG 25 1992

Quartz--45-50%
Feldspar--25-30%
Plagioclase--5-10%
Biotite--5-10%

FROM CONFIDENTIAL

Sample is heavily fractured. Fractures filled with abundant tarry black residue and Biotite. Some fractures filled with calcite and green minerals (chlorite ?) Sample is heavily weathered and pitted, spotty oil show on the base of the core. Rare gas bubble.

CORE # 7 (3603)--AS CORE #6

AS CORE #6 (3604) with abundant secondary calcite filled in fractures.

CORE #8 (3613)--POSSIBLY QUARTZITE

Quartz--45-50%
Feldspar--25-30%
Plagioclase--5-10%
Biotite--5-10%

Sample is heavily fractured. Fractures filled with black residue and/or secondary calcite. Sample has weathered, pitted porosity. Abundant black tarry residue in fracture. Bright yellow florescence on main fracture. Slight oil bleed at the base of the core. Gas bubbles.

CORE #9 (3694)--GRANITE GNEISS

Quartz--15-20%
Feldspar--55-60%
Plagioclase-10-15%
Biotite--10-15%
Alignment of Biotite in sample.

WELL DATA

RELEASED

FIELD JUL 26 SEC 36 TWP. 16 RANG. 10 COUNTY Rush STATE K.

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS CONFIDENTIAL 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	30	2 7/8	KD	5199	
LINER						
TUBING				FROM	CONFIDENTIAL	
OPEN HOLE			12 1/2			SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-6-91</u>	DATE <u>2-6-91</u>	DATE	DATE
TIME <u>11:00</u>	TIME <u>11:00</u>	TIME	TIME

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>8 3/8</u>		
FLOAT SHOE <u>Insert/Fill up</u>	<u>1</u>	<u>Howe</u>
GUIDE SHOE <u>Cms</u>	<u>1</u>	<u>Howe</u>
CENTRALIZERS <u>S 1/2</u>	<u>2</u>	<u>Howe</u>
BOTTOM PLUG <u>Howe</u>	<u>1</u>	<u>Howe</u>
TOP PLUG <u>2 1/2</u>	<u>1</u>	<u>Howe</u>
WELD <u>For Grip Clamp</u>	<u>1</u>	<u>Howe</u>
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J Becker</u>	<u>6000</u>	
<u>R Brown</u>	<u>51291</u>	<u>May, K.</u>
<u>Arc. Miller</u>	<u>OT 0300</u>	
<u>D Ash</u>	<u>3703</u>	

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. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____

DEPARTMENT Cement
 DESCRIPTION OF JOB Cms 8 3/8 Sucker Rod

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X JG Albin
 HALLIBURTON OPERATOR John Becker COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>525</u>	<u>HLC</u>		<u>2</u>	<u>302CC</u>	<u>1.69</u>	<u>13.1</u>
	<u>100</u>	<u>Class A</u>		<u>2</u>	<u>302CC</u>	<u>1.12</u>	<u>15.6</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 Plug

SUMMARY

PRESLUSH: BBL-GAL _____ TYPE _____
 LOAD & BKON: BBL-GAL _____ PAD: BBL-GAL _____
 TREATMENT: BBL-GAL _____ DISPL: BBL-GAL _____
 CEMENT SLURRY: BBL-GAL (159 + 21) 179
 TOTAL VOLUME: BBL-GAL _____

VOLUMES

REMARKS See Job Log
29 1991

CUSTOMER: AMR Production Co
 LEASE: Woodford
 WELL NO.: 1-36
 JOB TYPE: Cms 8 3/8 Sucker Rod
 DATE: 3-6-91

HALLIBURTON SERVICES
JOB LOG

WELL NO. 1-26 LEASE Henderson TICKET NO. 070017
 CUSTOMER A N R Production Co PAGE NO. 1
 JOB TYPE Case 2 1/2" Casing DATE RELEASED

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	11:00							Called Out
	14:00							FROM CONFIDENTIAL
	15:10							On loc - Rig Del. 12 1/2" Hole
	19:51							Spr to Set up Equip - Plan Job
	19:54							Start 8 1/8" x 24 1/2" Csg in Hole
	20:20	6 1/2					375	Csg on Bottom
	20:52	6					325	Hook up PC 1 Manifold
	21:07	9					450	Brake Circ 1/4" Rig Pump
	21:27						500	Hook up to P.T.
								Start Mix Cmt 1/2 200L Water Ahead
								525sk HLC 1/3 200L
								100sk Class A 1/3 200L
								Finished Mix Cmt
								Release Plug
								Start Displ
								Finish Displ
								Plug Down
								Cmt Did Circ
								Job Complete

JUL 26
CONFIDENTIAL

Thank You
John

CONFIDENTIAL

24 1991

CUSTOMER

CUSTOMER
AMR Production Co LEASE
Hudson K
WELL NO.
JOB TYPE
DATE 3-13-91

WELL DATA
FIELD 100 SEC 36 TWP 16S RNG 18W COUNTY Rush STATE KS
FORMATION NAME JUL 26 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 3771

NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
	<u>17</u>	<u>5/2</u>	<u>KB</u>	<u>3770</u>	

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-13-91</u>	DATE <u>3-13-91</u>	DATE <u>3-13-91</u>	DATE <u>3-14-91</u>
TIME <u>1800</u>	TIME <u>1930</u>	TIME <u>0800</u>	TIME <u>0130</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>5/2</u>	<u>1</u>	<u>Howco</u>
FLOAT SHOE <u>5/2</u>	<u>1</u>	<u>Howco</u>
GUIDE SHOE		
CENTRALIZERS <u>5/2</u>	<u>15</u>	<u>Howco</u>
BOTTOM PLUG <u>5/2</u>	<u>1</u>	<u>Howco</u>
TOP PLUG <u>5/2</u>	<u>1</u>	<u>Howco</u>
HEAD		
FRAS GRIP <u>5/2</u>	<u>1</u>	<u>Howco</u>
OTHER <u>Howco cold A</u>	<u>1</u>	<u>Howco</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>A. F. Worth</u>		
<u>L. D. O'Kel</u>	<u>51143 Pt</u>	<u>Hays KS</u>
<u>D. Ash</u>	<u>8940 BIK</u>	<u>Hays KS</u>
<u>TRAVIS</u>	<u>3703 BK</u>	<u>Hays, KS</u>

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 _____
OTHER _____

DEPARTMENT CRIT
DESCRIPTION OF JOB crit 5/2 long string

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE A. F. Worth

HALLIBURTON OPERATOR A. F. Worth COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>300</u>	<u>HLC</u>	<u>Port</u>	<u>B</u>		<u>169</u>	<u>13.1</u>
<u>1</u>	<u>135</u>	<u>std</u>	<u>Port</u>	<u>B</u>	<u>18% SALT</u>	<u>1.41</u>	<u>15.1</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESFLUSH: BBL-GAL. _____ TYPE _____
BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 86.5
SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL. 124.12
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. _____
ORDERED _____ AVAILABLE _____ USED _____ AVERAGE RATES IN BPM _____
TREATING _____ DISPL _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET 42 REASON Shoe St
REMARKS
see Job Log & CERT
2-9-92

HALLIBURTON SERVICES JOB LOG

WELL NO. # 1-36 LEASE Hendrick TICKET NO. 020 **RELEASED**
 CUSTOMER ANR Production Co PAGE NO. 1
 JOB TYPE S/2 Long string DATE 3-13-APR 25 1992

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	1800							called out
	1830							on loc w/ float equipment, float shoe, float collar, cent.
								cent 300sks HLC, 135sks STD 18% salt
	1900							Rig pulling Drill pipe out of hole w/ D.P. Pull off Blowout prevent.
								start S/2 csg. w/ float shoe then float collar Top First 31.
								cent - 1st 10' above shoe and around float collar. then 2nd collar 3rd.
	0930							4th, 5th, 6th, 13, 14, 18, 19, 29, 31, 49, 50
	1020							Jump through floats w/ S/2 in hole
	1030							pipe on foot
								cup w/ mud hook
								hook up to pump tank
								pump 5 bbls fresh water
								Release Bottom Plug.
	1142					200		start mix 300sks HLC
		65	90			200		FIN MIX
						200		start mix 135sks standard 18% salt
	1205	65	34			200		FIN MIX
								Plug Rat hole, washup Annular line
								Release top Plug.
	1212	9	58.5			200		start D.S.P.
	1219					1400		Plug down
	0130							Job complete
								THANK YOU

FWorth #
~~8641~~
 L. Dunkel B2150
 TRAVIS #
 D. Ash # E1609

CUSTOMER

DISTRICT Hays Ks JUL 26 AUG 25 1992 DATE 2-13-91

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICES TO REPAIR AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: ANR Production Co. (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. #1-36 LEASE Honderick SEC. 36 TWP. 16^S RANGE 18^W
FIELD _____ COUNTY Rush STATE Ks OWNED BY SAME

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH 3771 MUD WEIGHT _____
BORE HOLE _____
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING		<u>47</u>	<u>5 1/2</u>	<u>KB</u>	<u>3770</u>	
LINER						
TUBING						
OPEN HOLE				<u>3770</u>	<u>3771</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED
cut 5 1/2 long string w/300SKS NLC + 135SKS std w/18% salt

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum in the event it becomes necessary to employ attorneys to enforce collection of said account. Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
 - b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 1. Damage to property owned by, in the possession of or leased by Customer, and/or the well owner (if different from Customer) including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
 - c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information
 - d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
 - e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer of the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED _____ CUSTOMER

DATE 3-13-91

TIME 1930 P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER