

REL 8-2-98

CONFIDENTIAL

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

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

RELEASED

Operator: License # 5506

Name: WOOLSEY PETROLEUM CORPORATION OCT 6 1998

Address: 107 NORTH MARKET

SUITE 600

FROM CONFIDENTIAL

City/State/Zip: WICHITA, KANSAS 67202-1807

Purchaser: WESTAR / TEXACO TRADING & TRANSPORTATION INC.

Operator Contact Person: DEBRA K. CLINGAN

Phone: (316) 267-4379

Contractor: Name: DUKE DRILLING CO., INC.

License: 5929

Wellsite Geologist: WESLEY D. HANSEN

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:

Operator: N/A

Well Name:

Comp. Date: Old Total Depth:

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBTD

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

04/04/1996 04/19/1996 05/10/1996
Spud Date Date Reached TD Completion Date

API NO. 15- 007-22500 0000

County BARBER

80' - S of - NW - SE Sec. 32 Twp. 33 Rge. 13 XX W

1900' FSL Feet from S/N (circle one) Line of Section

1980' FEL 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 SPRIGGS "B" Well # 3

Field Name UNNAMED

Producing Formation DOUGLAS

Elevation: Ground 1831' KB 1842'

Total Depth 4965' PBTD 4925'

Amount of Surface Pipe Set and Cemented at 221 Feet

Multiple Stage Cementing Collar Used? XX Yes No

If yes, show depth set DV tool @ 4258' Feet

If Alternate II completion, cement circulated from N/A

feet depth to w/ sx cmt.

Drilling Fluid Management Plan ALT 1 DV 12-5-97
(Data must be collected from the Reserve Pit)

Chloride content ppm Fluid volume bbls

Dewatering method used

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name AUG 2 License No.

County Qual Twp. S Rng. E/W

County Docket No.

KCC

CONFIDENTIAL

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 Mark P. Stevenson

Title: MARK P. STEVENSON, V.P. OPERATIONS Date: 02/25/1997

Subscribed and sworn to before me this 2ND day of FEBRUARY, 19 97.

Notary Public Debra K. Clingan

Date Commission Expires: March 4, 1998

DEBRA K. CLINGAN
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 3-4-98

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)

Operator Name: WOOLSEY PETROLEUM CORPORATION Lease Name SPRIGGS B Well # 3

Sec. 32 Twp. 33S Rge. 13W East West
 County BARBER

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.) Supplement attached	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHASE	2234 (- 392)	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ONAGA	3078 (-1236)	
List All E.Logs Run: DUAL INDUCTION-SFL GAMMA RAY SPECTRAL GAMMA RAY & LITHODENSITY COMPENSATED NEUTRON SONIC CEMENT BOND		KEEBNER	4064 (-2222)	
		DOUGLAS	4138 (-2296)	
		LANSING	4250 (-2408)	
		LANSING B	4284 (-2442)	
		LANSING G	4518 (-2676)	
		MARMATON	4734 (-2892)	
		MISSISSIPPIAN C	4792 (-2950)	
		RTD	4965 (-3123)	

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
CONDUCTOR	17-1/4"	13-3/8"	54#	56'	CLASS A	60	3% CC, 2% GEL
SURFACE	12-1/4"	8-5/8"	24#	221'	60/40 POZ	140	3% CC, 2% GEL
PRODUCTION	7-7/8"	5-1/2"	15.5#	4957'	MIDCON2, EA2	125, 165	15% GILSONITE, 10% SALT

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 SPF	4139'-4143' (DOUGLAS)	32-GRAM CHARGES	SAME
		750 GAL. FE	SAME

TUBING RECORD	Size 2-3/8"	Set At 4208	Packer At NONE	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. * 05/28/1996	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. -0-	Gas Mcf 60	Water Bbls. 1	Gas-Oil Ratio N/A Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval: Other (Specify) _____

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FORM MUST BE TYPED

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 # 5506

Name: WOOLSEY PETROLEUM CORPORATION

Address: 107 NORTH MARKET

SUITE 600

City/State/Zip: WICHITA, KANSAS 67202-1807

Purchaser: WESTAR / TEXACO TRADING & TRANSPORATION INC.

Operator Contact Person: DEBRA K. CLINGAN

Phone: (316) 267-4379

Contractor: Name: DUKE DRILLING CO., INC.

License: 5929

Wellsite Geologist: WESLEY D. HANSEN

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl. ~~removed~~)

If Workover:

Operator: N/A

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. _____

04/04/1996 04/19/1996 05/10/1996
Spud Date Date Reached TD Completion Date

API NO. 15- 007-22500 0000

County BARBER

80' - S of - NW - SE Sec. 32 Twp. 33 Rge. 13 XX ^E W

1900' FSL Feet from S (circle one) Line of Section

1980' FEL Feet from E (circle one) Line of Section

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

Lease Name SPRIGGS "B" Well # 3

Field Name UNNAMED

Producing Formation DOUGLAS

Elevation: Ground 1831' KB 1842'

Total Depth 4965' PBDT 4925'

Amount of Surface Pipe Set and Cemented at 221 Feet

Multiple Stage Cementing Collar Used? XX Yes No

If yes, show depth set DV tool @ 4258' Feet

If Alternate II completion, cement circulated from N/A

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 87 1-27-97
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name RELEASED

Lease Name OCT 6 1998 License AUG 2

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

County FROM CONFIDENTIAL Docket No. _____

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 George M. Preece

Title: GEORGE M. PREECE, GEOLOGICAL MANAGER Date: 08/01/1996

Subscribed and sworn to before me this 1st day of AUGUST, 19 96.

Notary Public Debra K. Clingan

Date Commission Expires: March 4, 1998

DEBRA K. CLINGAN
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 3-4-98

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)

CONFIDENTIAL

SIDE TWO

Operator Name: WOOLSEY PETROLEUM CORPORATION

Lease Name SPRIGGS B

Well # 3

Sec. 32 Twp. 33S Rge. 13W

East West

County BARBER

ORIGINAL

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 [X] Yes [] No
Supplement attached [X] Yes [] No
Samples Sent to Geological Survey [X] Yes [] No
Cores Taken [X] Yes [] No
Electric Log Run [X] Yes [] No
List All E.Logs Run: DUAL INDUCTION-SFL GAMMA RAY, SPECTRAL GAMMA RAY & LITHODENSITY, COMPENSATED NEUTRON, SONIC, CEMENT BOND

Log Formation (Top). Depth and Datums [] Sample
Name Top Datum
CHASE 2234 (- 392)
ONAGA 3078 (-1236)
HEEBNER 4064 (-2222)
DOUGLAS 4138 (-2296)
LANSING 4250 (-2408)
LANSING B 4284 (-2442)
LANSING G 4518 (-2676)
MARMATON 4734 (-2892)
MISSISSIPPIAN C 4792 (-2950)
RTD 4965 (-3123)

RECEIVED
KANSAS CORPORATION COMMISSION
AUG 02 1996
8-296
CONSERVATION DIVISION
WICHITA, KS

CASING RECORD
Report all strings set-conductor, surface, intermediate, production, etc.
Table with columns: 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

ADDITIONAL CEMENTING/SQUEEZE RECORD
Table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives

PERFORATION RECORD - Bridge Plugs Set/Type
Table with columns: Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used), Depth

TUBING RECORD
Size 2-3/8" Set at 4268'
Liner Run [] Yes [X] No
Date of First, Resumed Production, SWD or Inj. 06/18/1996
Producing Method [] Flowing [X] Pumping [] Gas Lift [] Other (Explain)
Estimated Production Per 24 Hours: Oil Bbls. -0-, Gas Mcf 60, Water Bbls. 1, Gas-Oil Ratio N/A, Gravity

Disposition of Gas: [] Vented [X] Sold [] Used on Lease (If vented, submit ACO-18.)
METHOD OF COMPLETION: [] Open Hole [X] Perf. [] Dually Comp. [] Commingled [] Other (Specify)
Production Interval: 4139'-4143'

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WOOLSEY PETROLEUM CORPORATION
107 North Market • Suite 600 • Wichita, Kansas 67202-1807
Phone: (316) 267-4379 • FAX: (316) 267-4383

RECEIVED
MISSOURI DEPARTMENT OF REVENUE

SPRIGGS B-3
80' S of NW SE Sec. 32-33S-13W
Survey: 1900' FSL & 1980' FEL
Barber County, Kansas

API# 15-007-22500 0000
Elev: G.L. 1829'
K.B. 1840'
Spud: 04/04/1996

AUG 02 1996

DRILL STEM TESTS

RELEASED

OCT. 6 1996

DST #1 3052' - 3132' (Indian Cave) 30-60-60-180
1st op: Strg blw, GTS in 2 min, gauge 2 MCFGPD decr to TSTM
2nd op: Strg blw depleting to good thruout
Rec: 1880' GCSW (chls 125,000; mud sys 102,000)

Field calcs:
IHP: 1682 FHP: 1682 IHP: 1688.0
IFP: 229-510 FFP: 593-935 IFP: 237.02-510.14
ISIP: 1215 FSIP: 1215 ISIP: 1215.92
BHT: 112° F

Office calcs:
FHP: FROM CONFIDENTIAL
FFP: 602.71-934.68
FSIP: 1241.91

DST #2 3854' - 3915' (Elgin SS) 30-60-60-180
1st op: Strg blw off btm of bucket in 2 min
2nd op: Strg blw off btm of bucket in 3 min
Rec: 1920' SW; Rw .09 @ 76° F (chls 82,000; mud sys 7,500)

Field calcs:
IHP: 1855 FHP: 1835 IHP: 1857.0
IFP: 200-500 FFP: 599-956 IFP: 197.12-534.7
ISIP: 1391 FSIP: 1401 ISIP: 1387.75
BHT: 136° F

Office calcs:
FHP: 1841.0
FFP: 622.05-955.55
FSIP: 1426.67

DST #3 4064' - 4103' (Snyderville) 30-60-90-270
1st op: Strg blw off btm of bucket in 2 min
2nd op: Strg blw, GTS in 5 min, gauge 11-78 MCFGPD.
Rec: 50' GCM (5%G, 95%M). Gas sample taken, gas burned.

Field calcs:
IHP: 1946 FHP: 1920 IHP: 1942.0
IFP: 14-14 FFP: 18-26 IFP: 64.5-31.0
ISIP: 1446 FSIP: 1475 ISIP: 1498.6

Office calcs:
FHP: 1919.0
FFP: 145.0-66.9
FSIP: 1520.9

DST #4 4142' - 4170' (Douglas sand) 30-60-60-240
1st op: Strg blw off btm of bucket in 4 min, GTS in 15 min, gauge 81-110 MCFGPD.
2nd op: GTS thruout, gauge 163-188 MCFGPD.
Rec: 40' M. Gas sample taken, gas burned.

Field calcs:
IHP: 1966 FHP: 1945 IHP: 1980.0
IFP: 100-150 FFP: 124-124 IFP: 125.18-177.54
ISIP: 1521 FSIP: 1514 ISIP: 1528.29

Office calcs:
FHP: 1960.0
FFP: 183.11-137.84
FSIP: 1518.0

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DST #5 4786' - 4860' (Mississippian C) Misrun

DST #6 4766' - 4862' (Mississippian C) 30-60-60-240
1st op: Strg blw, plugged, flushed tool
2nd op: Strg blw thruout

Rec: 450' GIP + 150' GCM, some plugging on both flow periods
Field calcs:
IHP: 2300 FHP: 2280 IHP: 2302.3
IFP: 155-245 FFP: 244-158 IFP: 251.5-271.1
ISIP: 710 mech FSIP: 694 mech ISIP: 765.7
ISIP: 765 elec FSIP: 735 elec

Office calcs:
FHP: 2297.8
FFP: 258.0-338.8
FSIP: 734.8

DST #7 4880' - 4920' (Mississippian B) 30-60-30-120
1st op: Wk blw, died @ 12"
2nd op: No blw

Rec: 30' M
Field calcs:
IHP: 2355 FHP: 2334 IHP: 2421.0
IFP: 77-196 FFP: 200-156 IFP: 69.6-235.3
ISIP: 533 FSIP: 526 ISIP: 562.1
BHT: 120° F

Office calcs:
FHP: 2291.2
FFP: 199.8-207.2
FSIP: 546.4



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PETROLEUM SERVICES

June 6, 1996

RELEASED

OCT 6 1998

WOOLSEY PETROLEUM CORPORATION
107 North Market - Suite 600
Wichita, Kansas 67202

FROM CONFIDENTIAL

Attention: Mr. Joe Preece

Subject: Core Analysis Final Report
Spriggs "B" No. 3 Well
Barber County, Kansas
CL File: 57182-13889

Dear Mr. Preece:

A diamond core taken from the subject well in the Snyder Formation was received at the Oklahoma City laboratory for analytical testing described on the Procedure page.

The accompanying coregraph presents the binomially averaged core analysis data in graphical form to aid correlation with the downhole electrical surveys.

Tabular presentation of the measured physical properties can be found on pages FINAL REPORT 1-1 and 1-2.

A statistical summary of the data and a permeability versus porosity cross-plot is included in this report.

It is a pleasure to have this opportunity of serving you. Should you have questions regarding these data call (405)946-5422.

Very truly yours,

CORE LABORATORIES, INC.

Lynn Antwine
Senior Laboratory Supervisor

REC
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RECEIVED
AUG 07 1996
8-2-96
Wichita, Kansas
67202

CORE LABORATORIES

File No.: 57182-13889
Date : 6-JUN-1996

Field : AETNA FIELD
Formation : SNYDER FORMATION

Company : WOOLSEY PETROLEUM
Well : SPRIGGS "B" NO. 3 WELL

A N A L Y T I C A L P R O C E D U R E S A N D Q U A L I T Y A S S U R A N C E

ANALYSIS

HANDLING & CLEANING

Core Transportation	: Delivered (StimLab)	Grain volume measured by Boyle's Law in a matrix cup using He
Solvent	:	Bulk volume by Archimedes Principle
Extraction Equipment	:	Water saturations by Dean Stark
Extraction Time	:	Oil saturations by weight difference in Dean Stark
Drying Equipment	: Convection Oven	Permeabilities measured on 1 in. diameter drilled plugs
Drying Time	: 24 Hours	Core Gamma Composite
Drying Temperature	: 240 Deg.F.	Dean Stark grain densities clean, dry solid mineral phase are measured

REMARKS

A Surface Core Gamma-Log was recorded to aid correlation with downhole electrical surveys. Horizontal air permeability was measured on plug samples--not Klinkenberg corrected. Core was slabbed for future geological study. Core and slabs along with the plug end trims were picked up by a representative of StimLab upon completion of our analysis. Core plugs are temporarily stored in Core Laboratories' Oklahoma City laboratory awaiting instructions for disposition.

ORIGINAL

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OCT 6 1998
FROM CONFIDENTIAL

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PETROLEUM CORPORATION

AUG 02 1996

CONSERVATION DIVISION
WICHITA, KS

CONFIDENTIAL

ORIGINAL

CORE LABORATORIES

Company : WOOLSEY PETROLEUM
Well : SPRIGGS "B" NO. 3 WELL
Location : SEC 32, T33S; R13W
Co, State : BARBER COUNTY, KANSAS

Field : AETNA FIELD
Formation : SNYDER FORMATION
Coring Fluid : WATER BASE MUD
Elevation : 1831'GL

File No.: 57182-13889
Date : 6-JUN-1996
API No. : 15-007-22500
Analysts: SB/LA

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH INTERVAL ft	PERMEABILITY (Horizontal) (Kair) md	POROSITY (Boyle's Law) (Helium) %	SATURATION		GRAIN DENSITY (Measured) gm/cc	DESCRIPTION
				(Oil) %	(Pore Volume) (Water) %		
PLUG (CONVENTIONAL) ANALYSIS							
		4074.0 - 4075.9	No Analysis	No Analysis	4074.0 - 4075.9	2.75	lt dk gry v f xln occ foss
		4075.9 - 4076.5	No Analysis	No Analysis	4075.9 - 4076.5	2.75	Coal blk
		4076.5 - 4078.2	No Analysis	No Analysis	4076.5 - 4078.2	2.75	Sh blk
		4078.2 - 4080.0	No Analysis	No Analysis	4078.2 - 4080.0	2.75	Dol gry f xln sh
		4080.0 - 4082.0	No Analysis	No Analysis	4080.0 - 4082.0	2.75	5h gry slty lam
1	4082.0 - 83.0	0.68	11.7	0.0	65.2	2.75	Sltst lt gry dol
2	4083.0 - 84.0	1.60	17.5	0.0	68.7	2.75	Sltst lt gry slily dol slily pyr
3	4084.0 - 85.0	3.50	17.5	0.0	56.4	2.69	Sltst lt gry slily dol
4	4085.0 - 86.0	3.60	14.4	0.0	62.1	2.71	Sltst lt gry slily dol Dol lam
5	4086.0 - 87.0	0.75	9.1	0.0	69.8	2.77	Sltst lt gry slily dol Dol lam
6	4087.0 - 88.0	0.04	4.6	0.0	80.1	2.79	Sltst lt gry dol
7	4088.0 - 89.0	5.20	14.6	0.0	60.6	2.70	Sltst lt gry slily calc slily dol
8	4089.0 - 90.0	6.10	15.7	0.0	62.6	2.70	Sltst lt gry slily calc slily dol

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OCT 6 1998
FROM CONFIDENTIAL

150
AUG 2
CONFIDENTIAL

AUG 02 1996

CORE LABORATORIES

File No.: 57182-13889
Date : 6-JUN-1996

Field : AETNA FIELD
Formation : SNYDER FORMATION

Company : WOOLSEY PETROLEUM
Well : SPRIGGS "B" NO. 3 WELL

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH INTERVAL ft	PERMEABILITY (Horizontal) (Kair) md	POROSITY (Boyle's Law) (Helium) %	SATURATION		GRAIN DENSITY (Measured) gm/cc	DESCRIPTION
				(Oil) %	(Pore Volume) (Water) %		
9	4090.0- 91.0	6.50	17.0	0.0	63.5	2.68	Slst lt gry slily calc slily dol
10	4091.0- 92.0	3.70	15.9	0.0	67.6	2.68	Slst lt gry slily calc slily dol Sh lam
11	4092.0- 93.0	4.30	16.9	0.0	66.5	2.69	Slst lt gry slily calc slily dol
12	4093.0- 94.0	4.90	16.9	0.0	63.3	2.69	Slst lt gry slily calc slily dol
13	4094.0- 95.3	4.40	16.4	0.0	63.9	2.69	Slst lt gry slily calc slily dol

4095.3 - 4095.7 - No Analysis - Sh gry slty lam

4095.7 - 4096.0 - No Analysis - Dol tn v f xln

4096.0 - 4099.6 - No Analysis - Sh blk/gry

4099.6 - 4103.0 - No Analysis - Dol tn v f xln Sh lam

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OCT 6 1998
FROM CONFIDENTIAL

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CONFIDENTIAL

CONFIDENTIAL
Advised to CONFIDENTIAL per OMB Press Release

AUG 02 1996

CONSERVATION DIVISION
DOW CHEMICALS

CORE LABORATORIES

Company : WOOLSEY PETROLEUM
Well : SPRIGGS "B" NO. 3 WELL

Field : AETNA FIELD
Formation : SNYDER

File No.: 57182-13889
Date : 6-JUN-1996

RELEASED
OCT 6 1998
FROM CONFIDENTIAL

TABLE I
SUMMARY OF CORE DATA

CHARACTERISTICS REMAINING AFTER CUTOFFS

ZONE AND CUTOFF DATA

ZONE AND CUTOFF DATA		CHARACTERISTICS REMAINING AFTER CUTOFFS	
ZONE:		ZONE:	
Identification -----	SNYDER	Number of Samples -----	13
Top Depth -----	4074.0 ft	Thickness Represented -	13.3 ft
Bottom Depth -----	4103.0 ft		
Number of Samples -----	13	POROSITY:	
DATA TYPE:		Storage Capacity -----	193.1 ϕ -ft
Porosity ----- (Boyle's Law) (Helium)		Arithmetic Average -----	14.5 %
Permeability ----- (Horizontal) (Kair)		Minimum -----	4.6 %
		Maximum -----	17.5 %
CUTOFFS:		Median -----	15.9 %
Porosity (Minimum) -----	0.0 %	Standard Deviation -----	\pm 3.8 %
Porosity (Maximum) -----	100.0 %		
Permeability (Minimum) ---	0.0100 md	GRAIN DENSITY:	
Permeability (Maximum) ---	100000. md	Arithmetic Average -----	2.71 gm/cc
Water Saturation (Maximum)	100.0 %	Minimum -----	2.68 gm/cc
Oil Saturation (Minimum) -	0.0 %	Maximum -----	2.79 gm/cc
Grain Density (Minimum) --	2.00 gm/cc	Median -----	2.70 gm/cc
Grain Density (Maximum) --	3.00 gm/cc	Standard Deviation -----	\pm 0.04 gm/cc
Lithology Excluded -----	NONE		
		PERMEABILITY:	
		Flow Capacity -----	46.6 md-ft
		Arithmetic Average -----	3.50 md
		Geometric Average -----	2.24 md
		Harmonic Average -----	0.44 md
		Minimum -----	0.04 md
		Maximum -----	6.50 md
		Median -----	3.70 md
		Standard Dev. (Geom) --	K-10 ² 0.614 md
		HETEROGENEITY (Permeability):	
		Dykstra-Parsons Var. ---	0.281
		Lorenz Coefficient -----	0.268
		AVERAGE SATURATIONS (Pore Volume):	
		Oil -----	0.0 %
		Water -----	64.4 %

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KANSAS CORPORATION

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AUG 2

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RELEASED

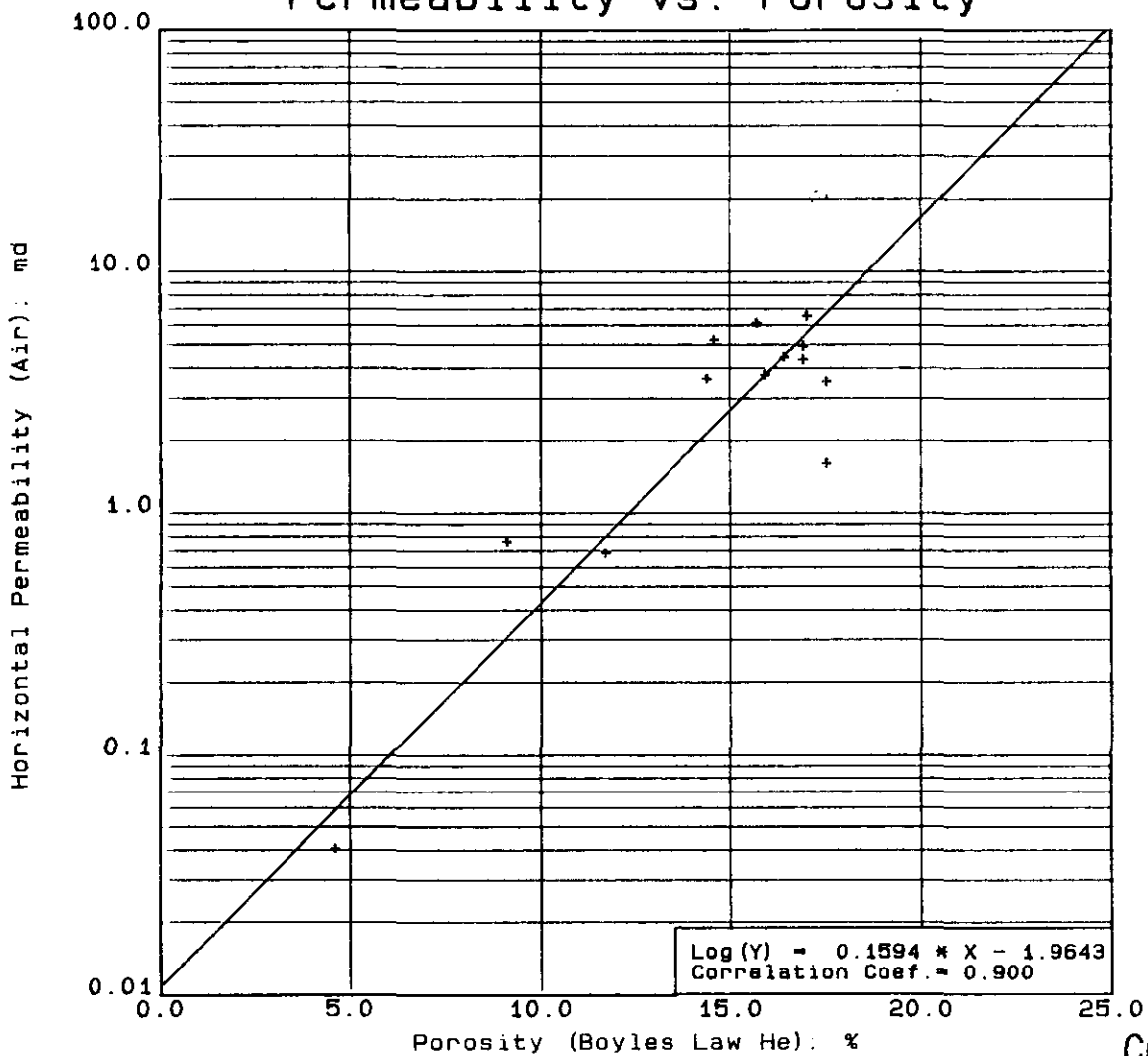
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Permeability vs. Porosity



Log (Y) = 0.1594 * X - 1.9643
 Correlation Coef. = 0.900

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<p>WOOLSEY PETROLEUM CORPORATION SPRIGGS "B" NO. 3 WELL AETNA FIELD BARBER COUNTY, KANSAS</p> <p>SNYDER (4074 -4103 feet)</p> <p>Core Laboratories, Inc.</p>	<p>- LEGEND - SNYDER</p>
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AUG 07 1996

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CORRELATION COREGRAPH

WOOLSEY PETROLEUM CORPORATION

SPRIGGS "B" NO. 3 WELL

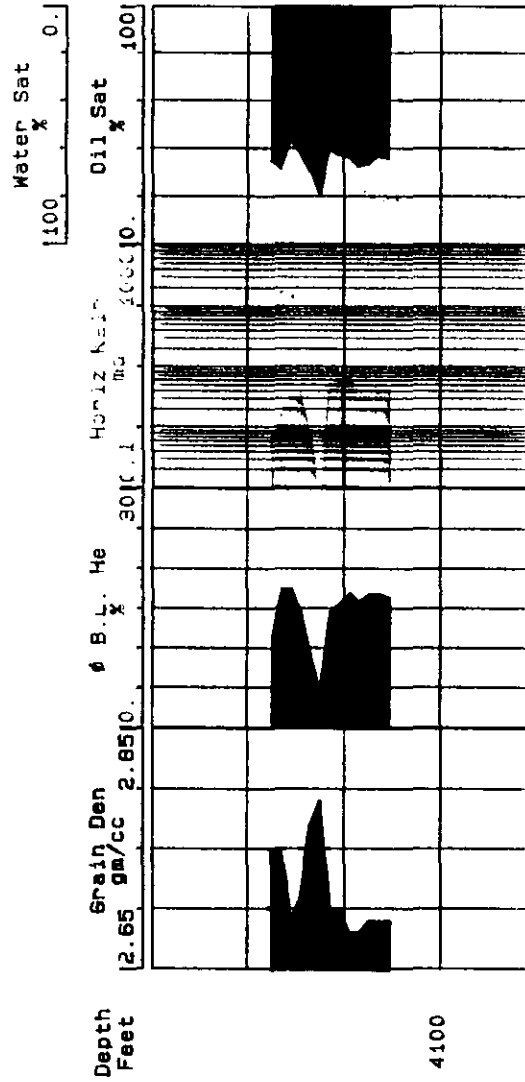
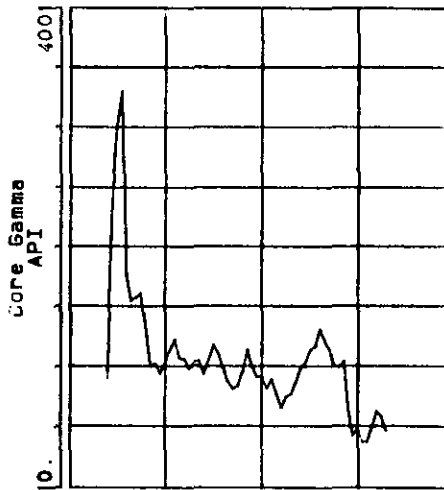
AETNA FIELD

BARBER COUNTY, KANSAS

SNYDER (4074 -4103 feet)

Core Laboratories, Inc.

Vertical Scale
5.00 in = 100.0 ft



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ALLIED CEMENTING CO., INC.

3926

SHIP TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Medicine Lodge

DATE <u>4-5-96</u>	SEC. <u>32</u>	TWP. <u>33s</u>	RANGE <u>13W</u>	CALLED OUT <u>5:30</u>	ON LOCATION <u>7:30</u>	JOB START <u>9:45</u>	JOB FINISH <u>10:00</u>
LEASE <u>SPREGO</u>	WELL # <u>B-3</u>	LOCATION <u>On top Chapel 600, 1205, 1146, N1/2J20</u>			COUNTY <u>Barber</u>	STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Duke Drilling Co. Inc. Rig #5 OWNER Woodsey Petroleum Corp.
 TYPE OF JOB SURFACE CEMENT

HOLE SIZE <u>12 1/4 - 7 7/8</u>	T.D. <u>222 - 1003</u>	AMOUNT ORDERED <u>140 60/40 1276 GEL + 336 CACL²</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>221</u>	
TUBING SIZE	DEPTH	
DRILL PIPE	DEPTH	
TOOL	DEPTH	
PRES. MAX	MINIMUM	COMMON <u>84</u> @ <u>5.10</u> <u>512.40</u>
MEAS. LINE	SHOE JOINT	POZMIX <u>86</u> @ <u>3.15</u> <u>176.40</u>
CEMENT LEFT IN CSG. <u>10'</u>		GEL <u>3</u> @ <u>9.50</u> <u>28.50</u>
PERFS.		CHLORIDE <u>5</u> @ <u>28.00</u> <u>140.00</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Neal Rupp</u>
# <u>266</u>	HELPER <u>Justin Hart</u>
BULK TRUCK	
# <u>242</u>	DRIVER <u>John Kelley</u>
BULK TRUCK	
#	DRIVER

HANDLING <u>140</u>	@ <u>1.05</u>	<u>147.00</u>
MILEAGE <u>140 x 18</u>	<u>.04</u>	<u>100.80</u>
		TOTAL <u>\$ 1105.10</u>

REMARKS:

Ran 8 5/8 to 221' - CEMENTED WITH 140 SK
60/40 per 276 GEL + 336 CACL² Deep Plug TO
211' with 13 1/2 BBS H²
CEMENT DID CIRCULATE!

SERVICE

DEPTH OF JOB <u>221'</u>		
PUMP TRUCK CHARGE <u>0-300'</u>	<u>446.00</u>	
EXTRA FOOTAGE	@	
MILEAGE	@ 1.05	
PLUG <u>1-8 5/8 Wood Surface</u>	@ <u>45.00</u> <u>45.00</u>	
		TOTAL <u>\$ 490.00</u>

CHARGE TO: Woodsey Petroleum Corp.
 STREET P.O. Box 168
 CITY Med. Lodge STATE KANSAS ZIP 67104

1100
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 FLOAT EQUIPMENT

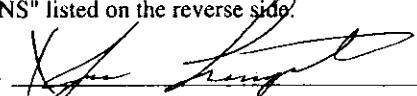
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OCT 6 1996

FROM CONFIDENTIAL

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE



TAX _____
 TOTAL CHARGE \$ 1595.10
 DISCOUNT \$ 319.02 IF PAID IN 30 DAYS
 NET \$ 1276.08

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 KANSAS CORPORATION
 AUG 02 1996
 KANSAS CORPORATION



HALLIBURTON
CONFIDENTIAL

INVOICE

ORIGINAL

INVOICE NO.	DATE
968284	04/20/1996

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
SPRIGGS "B" 3	BARBER	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	START DATE		
PRATT	DUKE DRILLING	CEMENT PRODUCTION CASING	04/20/1996		
ACCT. NO.	CUSTOMER NAME	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIP METHOD	TITLE
986665	CARL W DURR			COMPANY TRUCK	06961

WOOLSEY PETROLEUM CORP
BOX 168
MEDICINE LODGE, KS 67104

RECEIVED
DIRECT CORRESPONDENCE TO:
P O BOX 428
AUG 02 1996 HAYS KS 67601
913-625-3431

CONFIDENTIAL

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	60	MI	2.85	171.00
		1	UNT		
007-013	MULT STAGE CEMENTING-1ST STAGE	4961	FT	1,765.00	1,765.00
001-016		1	UNT		
018-403	FLO-CHEK 21, BULK, PER GALLON	500	GAL	1.60	800.00
71	CEMENTER-TYPE P ES 5-1/2 8RD	1	EA	2,450.00	2,450.00
813.56325					
75	PLUG SET - FREE FALL - 2-STAGE	1	EA	460.00	460.00
813.16510					
595	PLUG ASSY-SHUTOFF-LD-5-1/2 MSC	1	EA	345.00	345.00
812.01689					
596	5 1/2" LATCH DOWN BAFFLE	1	EA	114.00	114.00
801.03743					
26	INSERT VALVE F. S. - 5 1/2" 8RD	1	EA	350.00	350.00
847.6318					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	69.00	69.00
815.19313					
40	CENTRALIZER-5-1/2 X 7-7/8	11	EA	60.00	660.00
806.60022					
320	BASKET-CMT-5 1/2 CSG X 17"OD-	1	EA	104.00	104.00
806.71430					
66	CLAMP-LIMIT-5-1/2 HINGED	1	EA	11.00	11.00
806.72030					
504-280	MIDCON-2 STANDARD CEMENT	100	SK	12.76	1,276.00
508-291	GILSONITE BULK	1500	LB	.40	600.00
509-406	ANHYDROUS CALCIUM CHLORIDE	2	SK	36.75	73.50
507-210	FLOCELE	25	LB	1.65	41.25
504-308	CEMENT - STANDARD	165	SK	9.57	1,579.05
508-291	GILSONITE BULK	825	LB	.40	330.00
508-127	CAL SEAL 60	8	SK	25.90	207.20
509-968	SALT	700	LB	.15	105.00
507-775	HALAD-322	76	LB	7.00	532.00

RELEASED
OCT 6 1998
FROM CONFIDENTIAL

***** CONTINUED ON NEXT PAGE *****

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer

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INVOICE



CONFIDENTIAL
HALLIBURTON
P.O. BOX 951046
DALLAS, TX 75395-1046
APR 26 1996

REMIT TO:
INVOICE NO. 968284
DATE 04/20/1996

APR 30 1996

WELL LEASE NO./PROJECT SPRIGGS "B" 3		WELL/PROJECT LOCATION BARBER		STATE KS	OWNER SAME
SERVICE LOCATION PRATT		CONTRACTOR DUKE DRILLING	JOB PURPOSE CEMENT PRODUCTION CASING		TICKET DATE 04/20/1996
ACCT. NO. 966665	CUSTOMER AGENT CARL W DURR	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA COMPANY TRUCK	FILE NO. 0696

WOOLSEY PETROLEUM CORP
BOX 168
MEDICINE LODGE, KS 67104

DIRECT CORRESPONDENCE TO:
P O BOX 428
HAYS KS 67601
913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
507-210	FLOCELE	41	LB	1.65	67.65
504-280	MIDCON-2 STANDARD CEMENT	25	SK	12.76	319.00
508-291	GILSONITE BULK	375	LB	.40	150.00
509-406	ANHYDROUS CALCIUM CHLORIDE	1	SK	36.75	36.75
507-210	FLOCELE	6	LB	1.65	9.90
509-406	ANHYDROUS CALCIUM CHLORIDE	4	SK	36.75	147.00
509-554	HALLIBURTON GEL - 100 LB.	1	SK	18.60	18.60
500-207	BULK SERVICE CHARGE	358	CFT	1.35	483.30
500-306	MILEAGE CMTG MAT DEL OR RETURN	493.020	TMI	.95	468.37
007-161	MULT STAGE CEMENTING-ADD STAGE	1	STG	1,400.00	1,400.00
		1	UNT		
018-317	SUPER FLUSH	12	SK	100.00	1,200.00
314-163	CLAYFIX II	2	GAL	28.00	56.00

INVOICE SUBTOTAL

16,399.57

DISCOUNT-(BID)
INVOICE BID AMOUNT

5,521.51-
10,878.06

*-KANSAS STATE SALES TAX
*-PRATT COUNTY SALES TAX

366.05
74.73

nul
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RELEASED
OCT 6 1998

WOOLSEY PETROLEUM CORP.
Approved *[Signature]*
Date 4-29-96

FROM CONFIDENTIAL

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====> \$11,318.84

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer