

ORIGINAL

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

CONFIDENTIAL

Operator: License # 31603

Name: Adrian O. Miller

Address P. O. Box 217

City/State/Zip Wilson, Kansas 67490

Purchaser: N/A

Operator Contact Person: Adrian O. Miller

Phone (913)-658-2171

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: David Shumaker

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: DEC 18 1996

Well Name: _____

Comp. Date 2/11/95 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. _____

1/25/95 2/11/95 2/11/95
Spud Date Date Reached TD Completion Date

API NO. 15- 109-20,581-0000

County Logan

SW - NW - NW - 13 Sec. 13 Twp. 13S Rge. 34 E W

4290 Feet from SN (circle one) Line of Section

4950 Feet from EW (circle one) Line of Section

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

Lease Name Beckman Well # 1

Field Name _____

Producing Formation None

Elevation: Ground 2958' KB 2963'

Total Depth 4700' PBTB _____

Amount of Surface Pipe-Set and Cemented at 264 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 D&A 074 11-27-96
(Data must be collected from the Reserve Pit) Alt. 2

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name 05-18-95 License No. _____

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

County Logan Docket No. _____

RECEIVED
STATE CORPORATION COMMISSION
MAY 1 1995
KANSAS

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 Adrian O. Miller

Title Owner Date 5/7/95

Subscribed and sworn to before me this 17 day of May 19 95.

Notary Public Wilma F. Olds

Date Commission Expires Sept 17, 1997

WILMA F. OLDS
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 9-17-97

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 Adrian O. Miller Lease Name Beckman Well # 1
 Sec. 13 Twp. 13S Rge. 34 East West
 County Logan

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.)

List All E.Logs Run: RADIATION GUARD

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

CASING RECORD <input 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*	267'	60/40 Poz	160	2% gel 3% CaCl ₂

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	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
Estimated Production Per 24 Hours	Oil <u>N/A</u> Bbls.	Gas <u>N/A</u> Mcf	Water <u>N/A</u> 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) _____

CONFIDENTIAL

ORIGINAL

DST REPORT

RELEASED

DEC 18 1996

GENERAL INFORMATION

DATE : 2/6/95	TICKET : 20912	FROM CONFIDENTIAL
CUSTOMER : ADRIAN MILLER	LEASE : BECKMAN	
WELL : #1	TEST: 1	
ELEVATION: 2968 K.B.	GEOLOGIST:	
SECTION : 13	FORMATION:	
RANGE : 34W	COUNTY: LOGAN	TOWNSHIP : 13S
GAUGE SN#: 13760	RANGE : 3950	STATE : KS
		CLOCK : 12

API#15-109-20581

WELL INFORMATION

PERFORATION INTERVAL FROM: 3899.00 ft TO: 3925.00 ft TVD: 3925.0 ft
 DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
 DEPTH OF RECORDERS: 3911.0 ft 3914.0 ft
 TEMPERATURE: 109.0

DRILL COLLAR LENGTH: 30.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 3840.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 29.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 26.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH: 3894.0 ft	SIZE:	6.750 in
PACKER DEPTH: 3899.0 ft	SIZE:	6.750 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : EMPHASIS RIG #8	VISCOSITY :	52.00 cp
MUD TYPE : CHEMICAL	WATER LOSS:	7.600 cc
WEIGHT : 9.100 ppg	SERIAL NUMBER: 414	
CHLORIDES : 4900 ppm	REVERSED OUT?: NO	
JARS-MAKE : WESTERN		
DID WELL FLOW?: NO		

COMMENTS

Comment

INITIAL FLOW: OPENED WITH A WEAK 1/2 INCH BLOW,
 INCREASED TO 2-1/2 INCHES.
 FINAL FLOW: OPENED WITH A WEAK 1/2 INCH BLOW,

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

INCREASED TO 2 INCHES. TIGHT HOLE!

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
549.0	0.0	0.0	100.0	0.0	WATER

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	85.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.0000	STB	AVERAGE WATER RATE:	125.7157	STB/D
WATER VOLUME:	7.4207	STB			
TOTAL FLUID :	7.4207	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1917.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	68.00	170.00
INITIAL SHUT-IN	45.00		1190.00
FINAL FLOW	45.00	214.00	312.00
FINAL SHUT-IN	45.00		1190.00

FINAL HYDROSTATIC PRESSURE: 1858.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1915.00

Description	Duration	p1	p End
INITIAL FLOW	40.00	74.00	175.00
INITIAL SHUT-IN	45.00		1208.00
FINAL FLOW	45.00	229.00	319.00
FINAL SHUT-IN	45.00		1197.00

FINAL HYDROSTATIC PRESSURE: 1909.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 2/6/95	TICKET	: 20912
CUSTOMER	: ADRIAN MILLER	LEASE	: BECKMAN
WELL	: #1	TEST:	1
ELEVATION:	2968 K.B.	GEOLOGIST:	
SECTION	: 13	FORMATION:	
RANGE	: 34W	TOWNSHIP	: 13S
GAUGE SN#:	13760	STATE	: KS
		CLOCK	: 12
		COUNTY:	LOGAN
		RANGE	: 3950

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	74.00	74.00
5.00	74.00	0.00
10.00	80.00	-6.00
15.00	94.00	14.00
20.00	107.00	13.00
25.00	126.00	19.00
30.00	145.00	19.00
35.00	158.00	13.00
40.00	175.00	17.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	360.00	360.00	0.00
6.00	1035.00	675.00	0.00
9.00	1083.00	48.00	0.00
12.00	1121.00	38.00	0.00
15.00	1136.00	15.00	0.00
18.00	1149.00	13.00	0.00
21.00	1159.00	10.00	0.00
24.00	1169.00	10.00	0.00
27.00	1178.00	9.00	0.00
30.00	1184.00	6.00	0.00
33.00	1190.00	6.00	0.00
36.00	1195.00	5.00	0.00
39.00	1199.00	4.00	0.00
42.00	1204.00	5.00	0.00
45.00	1208.00	4.00	0.00

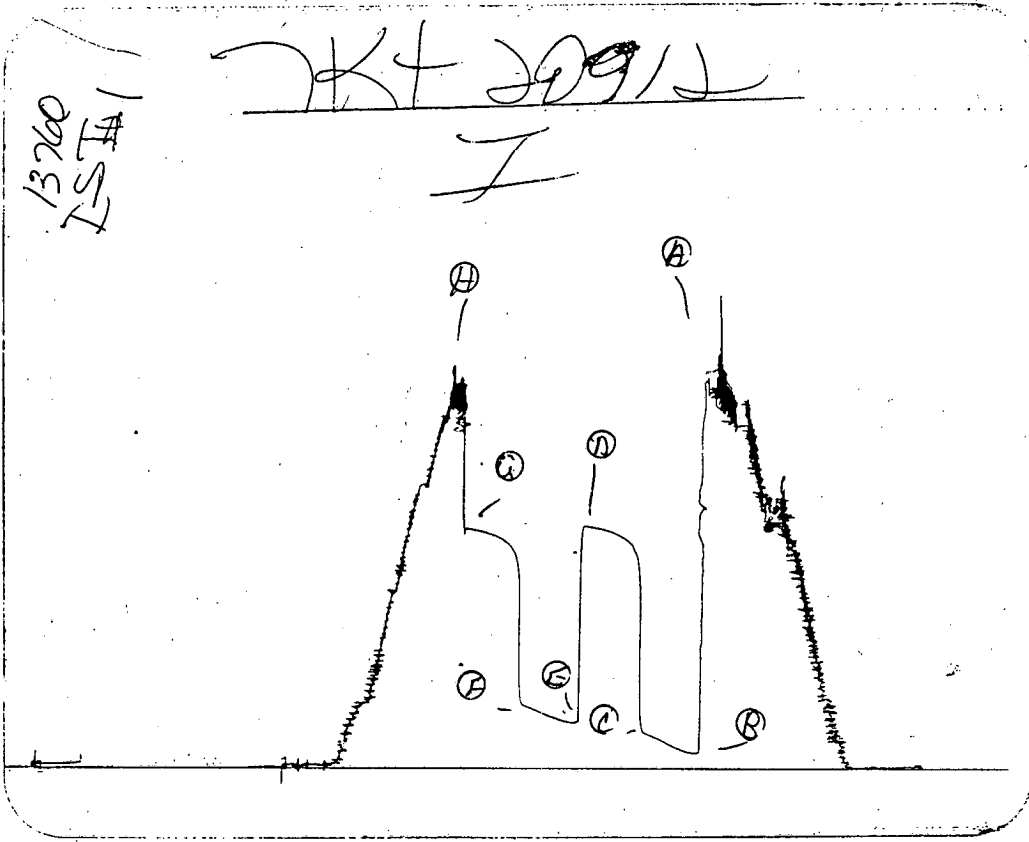
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

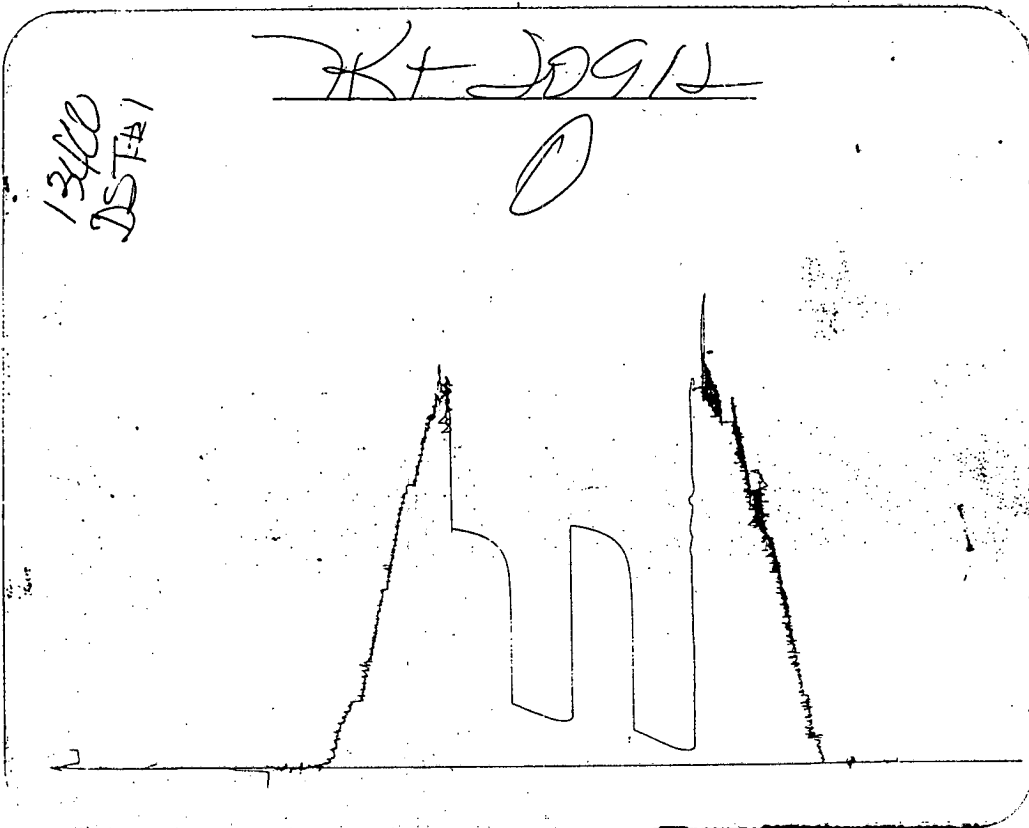
Time (min)	Pressure	Delta P
0.00	229.00	229.00
5.00	229.00	0.00
10.00	235.00	6.00
15.00	246.00	11.00
20.00	256.00	10.00
25.00	271.00	15.00
30.00	284.00	13.00
35.00	299.00	15.00
40.00	312.00	13.00
45.00	319.00	7.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	746.00	746.00	0.00
6.00	1056.00	310.00	0.00
9.00	1094.00	38.00	0.00
12.00	1117.00	23.00	0.00
15.00	1136.00	19.00	0.00
18.00	1150.00	14.00	0.00
21.00	1160.00	10.00	0.00
24.00	1166.00	6.00	0.00
27.00	1172.00	6.00	0.00
30.00	1179.00	7.00	0.00
33.00	1184.00	5.00	0.00
36.00	1189.00	5.00	0.00
39.00	1191.00	2.00	0.00
42.00	1195.00	4.00	0.00
45.00	1197.00	2.00	0.00



Inside Recorder



Outside Recorder

CONFIDENTIAL

ORIGINAL

DST REPORT

GENERAL INFORMATION

DATE : 2/7/95	TICKET : 20913
CUSTOMER : ADRIAN MILLER	LEASE : BECKMAN
WELL : #1	TEST: 2
ELEVATION: 2968 K.B.	GEOLOGIST:
SECTION : 13	FORMATION:
RANGE : 34W	TOWNSHIP : 13S
COUNTY: LOGAN	STATE : KS
RANGE : 3950	CLOCK : 12
GAUGE SN#: 13760	

WELL INFORMATION

PERFORATION INTERVAL FROM: 4041.00 ft	TO: 4130.00 ft	TVD: 4130.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 4054.0 ft	4057.0 ft	
TEMPERATURE: 116.0		
DRILL COLLAR LENGTH: 30.0 ft	I.D.: 2.200 in	
WEIGHT PIPE LENGTH : 0.0 ft	I.D.: 0.000 in	
DRILL PIPE LENGTH : 3982.0 ft	I.D.: 3.800 in	
TEST TOOL LENGTH : 29.0 ft	TOOL SIZE : 5.500 in	
ANCHOR LENGTH : 89.0 ft	ANCHOR SIZE: 5.500 in	
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE: 0.750 in	
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE : 4.5XH	
PACKER DEPTH: 4046.0 ft	SIZE: 6.750 in	
PACKER DEPTH: 4041.0 ft	SIZE: 6.750 in	
PACKER DEPTH: 0.0 ft	SIZE: 0.000 in	
PACKER DEPTH: 0.0 ft	SIZE: 0.000 in	

MUD INFORMATION

DRILLING CON. : EMPHASIS RIG #8	VISCOSITY : 49.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 8.000 cc
WEIGHT : 9.100 ppg	
CHLORIDES : 6500 ppm	SERIAL NUMBER: 414
JARS-MAKE : WESTERN	REVERSED OUT?: NO
DID WELL FLOW?: NO	

COMMENTS

Comment

INITIAL FLOW: WEAK SURFACE BLOW.
TIGHT HOLE!

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
5.0	0.0	0.0	0.0	100.0	MUD-THIN OIL SCUM ON TOOL

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	30.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.0235	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.0235	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2015.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	39.00	39.00
INITIAL SHUT-IN	30.00		906.00
FINAL FLOW	0.00	0.00	0.00
FINAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 1986.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2034.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	65.00	47.00
INITIAL SHUT-IN	30.00		928.00

FINAL HYDROSTATIC PRESSURE: 2000.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 2/7/95	TICKET : 20913
CUSTOMER : ADRIAN MILLER	LEASE : BECKMAN
WELL : #1	TEST: 2
ELEVATION: 2968 K.B.	GEOLOGIST:
SECTION : 13	FORMATION:
RANGE : 34W	TOWNSHIP : 13S
GAUGE SN#: 13760	COUNTY: LOGAN
	STATE : KS
	CLOCK : 12
	RANGE : 3950

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	65.00	65.00
5.00	53.00	-12.00
10.00	49.00	-4.00
15.00	47.00	-2.00
20.00	47.00	0.00
25.00	47.00	0.00
30.00	47.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	59.00	59.00	0.00
6.00	99.00	40.00	0.00
9.00	227.00	128.00	0.00
12.00	396.00	169.00	0.00
15.00	553.00	157.00	0.00
18.00	665.00	112.00	0.00
21.00	760.00	95.00	0.00
24.00	836.00	76.00	0.00
27.00	883.00	47.00	0.00
30.00	928.00	45.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
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No Data Entered

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN

Time
(min)

Pressure

Delta P

Horner T

No Data Entered

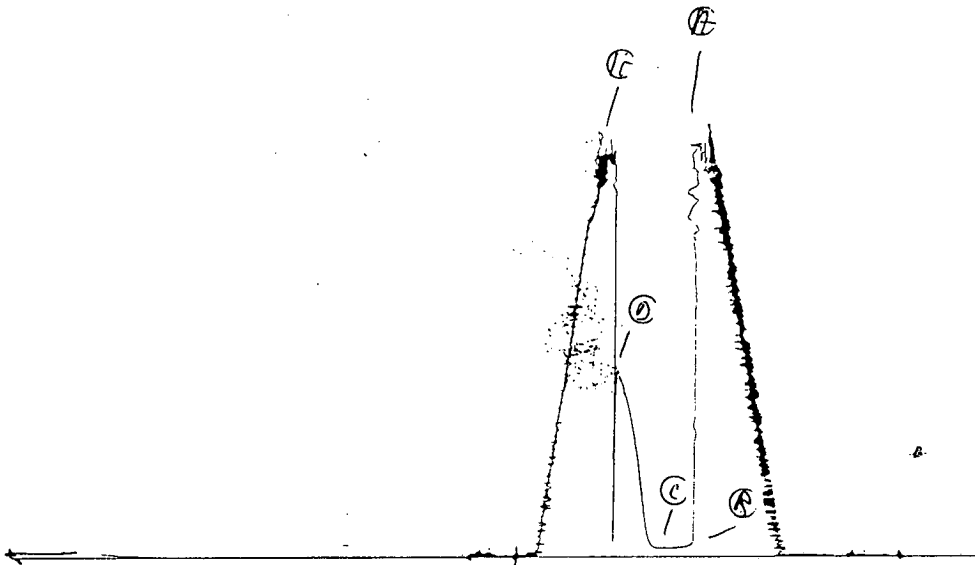
Dr. H. S.
M. S. F.
M. S.
M. S.

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B20
DST #2

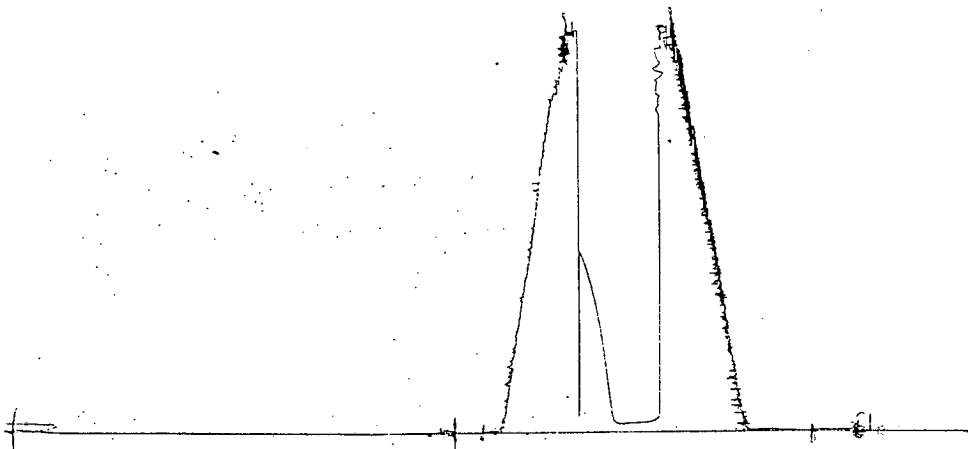
KT 20912
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Inside Recorder

B20
DST #2

KT 20912
O



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 2/9/95	TICKET : 20914
CUSTOMER : ADRIAN MILLER	LEASE : BECKMAN
WELL : #1 TEST: 3	GEOLOGIST:
ELEVATION: 2968 K.B.	FORMATION:
SECTION : 13	TOWNSHIP : 13S
RANGE : 34W COUNTY: LOGAN	STATE : KS
GAUGE SN#: 13760 RANGE : 3950	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4432.00 ft TO: 4480.00 ft TVD: 4480.0 ft
 DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
 DEPTH OF RECORDERS: 4435.0 ft 4438.0 ft
 TEMPERATURE: 119.0

DRILL COLLAR LENGTH: 30.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 4373.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 29.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 48.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH: 4427.0 ft	SIZE:	6.750 in
PACKER DEPTH: 4432.0 ft	SIZE:	6.750 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : EMPHASIS RIG #8	VISCOSITY : 48.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 9.200 cc
WEIGHT : 9.400 ppg	SERIAL NUMBER: 414
CHLORIDES : 6500 ppm	REVERSED OUT?: NO
JARS-MAKE : WESTERN	
DID WELL FLOW?: NO	

COMMENTS

Comment

INITIAL FLOW: WEAK SURFACE BLOW - FLUSHED TOOL.
 FINAL FLOW: NO BLOW.
 TIGHT HOLE!

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
10.0	0.0	0.0	0.0	100.0	MUD W/FEW OIL SPOTS, OIL LESS THAN 1%.
0.0	0.0	0.0	0.0	0.0	

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	60.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.0470 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.0470 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2215.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	34.00	34.00
INITIAL SHUT-IN	30.00		731.00
FINAL FLOW	30.00	34.00	34.00
FINAL SHUT-IN	30.00		371.00

FINAL HYDROSTATIC PRESSURE: 2205.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2224.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	62.00	45.00
INITIAL SHUT-IN	30.00		738.00
FINAL FLOW	30.00	70.00	44.00
FINAL SHUT-IN	30.00		377.00

FINAL HYDROSTATIC PRESSURE: 2213.00

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PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 2/9/95
CUSTOMER : ADRIAN MILLER
WELL : #1 TEST: 3
ELEVATION: 2968 K.B.
SECTION : 13
RANGE : 34W COUNTY: LOGAN
GAUGE SN#: 13760 RANGE : 3950
TICKET : 20914
LEASE : BECKMAN
GEOLOGIST:
FORMATION:
TOWNSHIP : 13S
STATE : KS
CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	62.00	62.00
5.00	66.00	4.00
10.00	52.00	-14.00
15.00	46.00	-6.00
20.00	44.00	-2.00
25.00	45.00	1.00
30.00	45.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	48.00	48.00	0.00
6.00	54.00	6.00	0.00
9.00	76.00	22.00	0.00
12.00	105.00	29.00	0.00
15.00	198.00	93.00	0.00
18.00	323.00	125.00	0.00
21.00	441.00	118.00	0.00
24.00	558.00	117.00	0.00
27.00	651.00	93.00	0.00
30.00	738.00	87.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	70.00	70.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

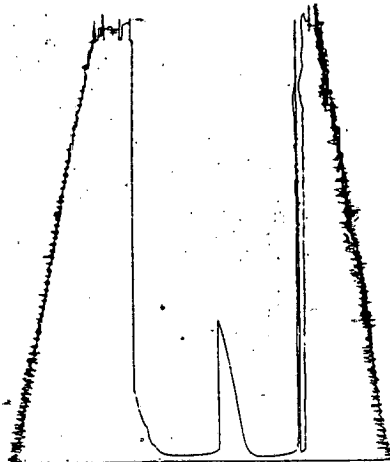
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
5.00	54.00	-16.00
10.00	47.00	-7.00
15.00	45.00	-2.00
20.00	44.00	-1.00
25.00	44.00	0.00
30.00	44.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner^qT</u>
3.00	46.00	46.00	0.00
6.00	51.00	5.00	0.00
9.00	62.00	11.00	0.00
12.00	73.00	11.00	0.00
15.00	87.00	14.00	0.00
18.00	121.00	34.00	0.00
21.00	162.00	41.00	0.00
24.00	227.00	65.00	0.00
27.00	297.00	70.00	0.00
30.00	377.00	80.00	0.00

1342
DST-3

JKT 20914
O

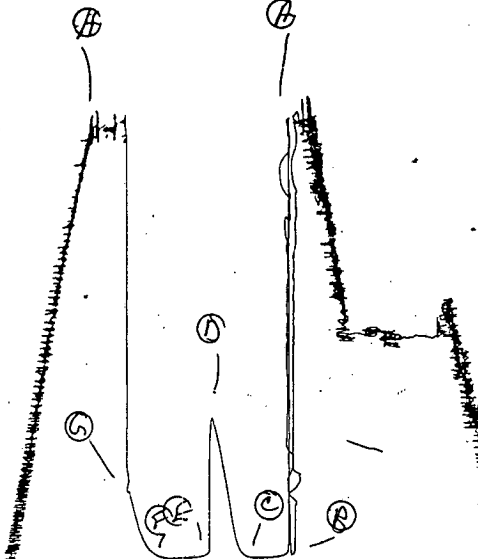


Inside Recorder

13760
DST-3

JKT 20914

I



Outside Recorder

CONFIDENTIAL

ORIGINAL

DST REPORT

GENERAL INFORMATION

DATE : 2/10/95
CUSTOMER : ADRIAN MILLER
WELL : #1 TEST: 4
ELEVATION: 2968 K.B.
SECTION : 13
RANGE : 34W COUNTY: LOGAN
GAUGE SN#: 13760 RANGE : 3950
TICKET : 20915
LEASE : BECKMAN
GEOLOGIST:
FORMATION:
TOWNSHIP : 13S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4502.00 ft TO: 4583.00 ft TVD: 4583.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4510.0 ft 4513.0 ft
TEMPERATURE: 122.0
DRILL COLLAR LENGTH: 30.0 ft I.D.: 2.200 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 4443.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 29.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 81.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH
PACKER DEPTH: 4497.0 ft SIZE: 6.750 in
PACKER DEPTH: 4502.0 ft SIZE: 6.750 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : EMPHASIS RIG #8
MUD TYPE : CHEMICAL
WEIGHT : 9.400 ppg
CHLORIDES : 6500 ppm
JARS-MAKE : WESTERN
DID WELL FLOW?: NO
VISCOSITY : 48.00 cp
WATER LOSS: 9.200 cc
SERIAL NUMBER: 414
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW: NO BLOW - FLUSHED TOOL, VERY WEAK
SURFACE BLOW. FINAL FLOW: WEAK SURFACE BLOW, DIED
IN 15 MINUTES. TIGHT HOLE!

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
30.0	10.0	0.0	0.0	90.0	OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0141	STB	TOTAL FLOW TIME:	60.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	3.3850	STB/D
MUD VOLUME:	0.1269	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.1410	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2254.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	48.00	48.00
INITIAL SHUT-IN	30.00		556.00
FINAL FLOW	30.00	58.00	58.00
FINAL SHUT-IN	30.00		214.00

FINAL HYDROSTATIC PRESSURE: 2225.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2267.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	75.00	59.00
INITIAL SHUT-IN	33.00		558.00
FINAL FLOW	30.00	81.00	59.00
FINAL SHUT-IN	30.00		214.00

FINAL HYDROSTATIC PRESSURE: 2236.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 2/10/95	TICKET : 20915
CUSTOMER : ADRIAN MILLER	LEASE : BECKMAN
WELL : #1 TEST: 4	GEOLOGIST:
ELEVATION: 2968 K.B.	FORMATION:
SECTION : 13	TOWNSHIP : 13S
RANGE : 34W COUNTY: LOGAN	STATE : KS
GAUGE SN#: 13760 RANGE : 3950	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	75.00	75.00
5.00	62.00	-13.00
10.00	87.00	25.00
15.00	69.00	-18.00
20.00	63.00	-6.00
25.00	60.00	-3.00
30.00	59.00	-1.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	61.00	61.00	11.00
6.00	67.00	6.00	6.00
9.00	79.00	12.00	4.33
12.00	94.00	15.00	3.50
15.00	118.00	24.00	3.00
18.00	154.00	36.00	2.67
21.00	207.00	53.00	2.43
24.00	282.00	75.00	2.25
27.00	387.00	105.00	2.11
30.00	508.00	121.00	2.00
33.00	558.00	50.00	1.91

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
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PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	81.00	81.00
5.00	65.00	-16.00
10.00	61.00	-4.00
15.00	58.00	-3.00
20.00	59.00	1.00
25.00	59.00	0.00
30.00	59.00	0.00

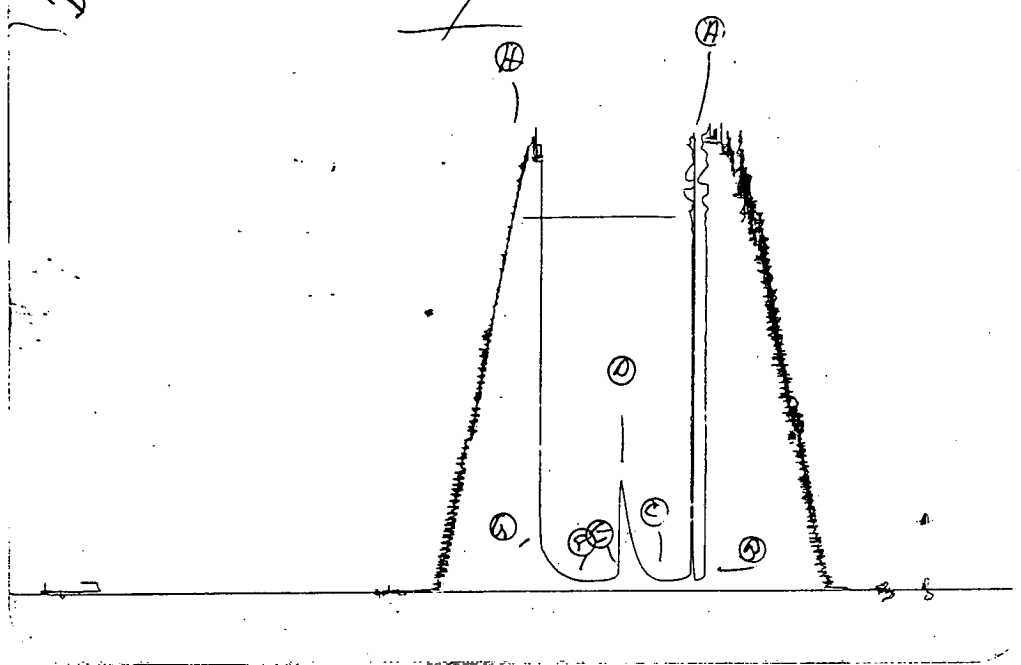
FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	64.00	64.00	11.00
6.00	69.00	5.00	6.00
9.00	80.00	11.00	4.33
12.00	87.00	7.00	3.50
15.00	97.00	10.00	3.00
18.00	116.00	19.00	2.67
21.00	138.00	22.00	2.43
24.00	166.00	28.00	2.25
27.00	197.00	31.00	2.11
30.00	214.00	17.00	2.00

13760
DSTB-A

KT 20915

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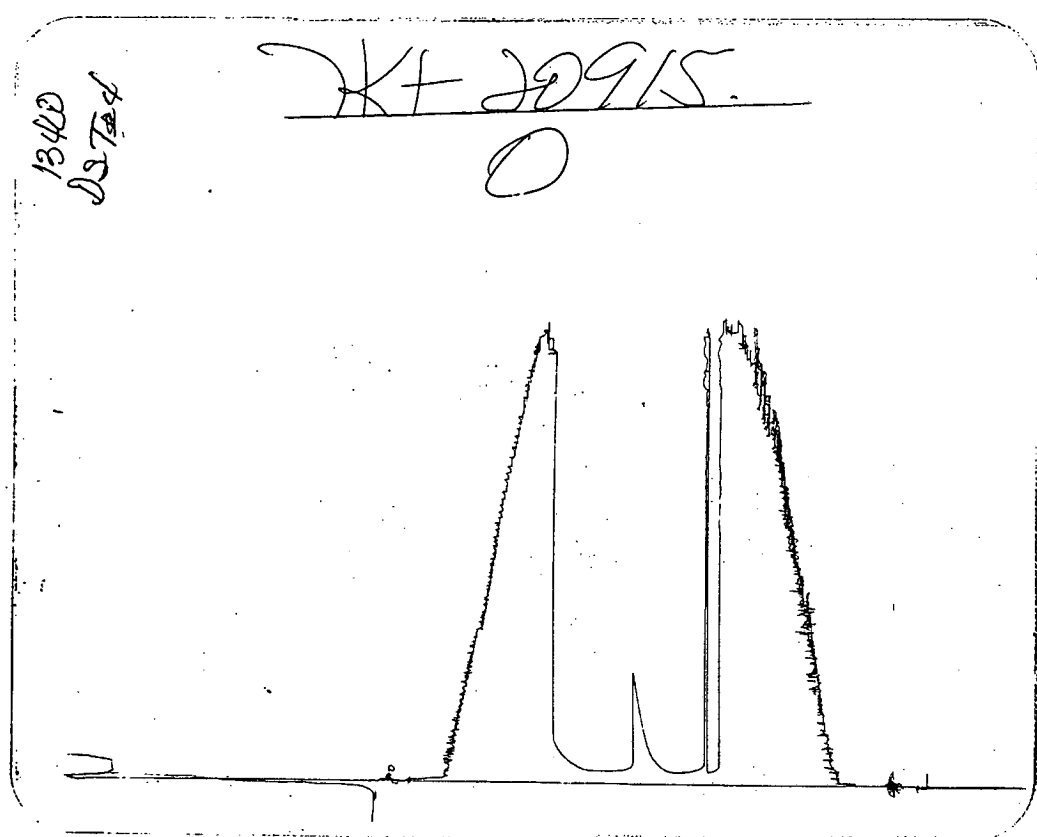


Inside Recorder

1340
DSTB-A

KT 20915

0



Outside Recorder

CONFIDENTIAL

ORIGINAL

DST REPORT

GENERAL INFORMATION

DATE : 2/11/95
CUSTOMER : ADRIAN MILLER
WELL : #1 TEST: 5
ELEVATION: 2968 K.B.
SECTION : 13
RANGE : 34W COUNTY: LOGAN
GAUGE SN#: 13760 RANGE : 3950
TICKET : 20916
LEASE : BECKMAN
GEOLOGIST:
FORMATION:
TOWNSHIP : 13S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3920.00 ft TO: 3978.00 ft TVD: 4697.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3923.0 ft 3926.0 ft
TEMPERATURE: 109.0
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 3891.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 29.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 58.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH
PACKER DEPTH: 3920.0 ft SIZE: 6.750 in
PACKER DEPTH: 3978.0 ft SIZE: 6.750 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : EMPHASIS RIG #8
MUD TYPE : CHEMICAL
WEIGHT : 9.500 ppg
CHLORIDES : 5500 ppm
JARS-MAKE : WESTERN
DID WELL FLOW?: NO
VISCOSITY : 42.00 cp
WATER LOSS: 10.000 cc
SERIAL NUMBER: 414
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW: OPENED WITH WEAK 1/4 INCH BLOW,
INCREASED TO 1 INCH IN WATER.
FINAL FLOW: WEAK 1/4 INCH BLOW. TIGHT HOLE!

CONFIDENTIAL

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
110.0	0.0	0.0	30.0	70.0	WATERY MUD W/VERY FEW OIL SPOTS
0.0	0.0	0.0	0.0	0.0	

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	60.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	1.0800 STB	AVERAGE WATER RATE:	37.0296 STB/D
WATER VOLUME:	0.4629 STB		
TOTAL FLUID:	1.5429 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1976.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	48.00	48.00
INITIAL SHUT-IN	30.00		1141.00
FINAL FLOW	30.00	58.00	58.00
FINAL SHUT-IN	30.00		1102.00

FINAL HYDROSTATIC PRESSURE: 1976.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2013.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	89.00	72.00
INITIAL SHUT-IN	30.00		1153.00
FINAL FLOW	30.00	109.00	91.00
FINAL SHUT-IN	36.00		1114.00

FINAL HYDROSTATIC PRESSURE: 2007.00

CONFIDENTIAL

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
110.0	0.0	0.0	30.0	70.0	WATERY MUD W/VERY FEW OIL SPOTS
0.0	0.0	0.0	0.0	0.0	

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	60.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	1.0800 STB	AVERAGE WATER RATE:	37.0296 STB/D
WATER VOLUME:	0.4629 STB		
TOTAL FLUID :	1.5429 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1976.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	48.00	48.00
INITIAL SHUT-IN	30.00		1141.00
FINAL FLOW	30.00	58.00	58.00
FINAL SHUT-IN	30.00		1102.00

FINAL HYDROSTATIC PRESSURE: 1976.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2013.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	89.00	72.00
INITIAL SHUT-IN	30.00		1153.00
FINAL FLOW	30.00	109.00	91.00
FINAL SHUT-IN	36.00		1114.00

FINAL HYDROSTATIC PRESSURE: 2007.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 2/11/95	TICKET : 20916
CUSTOMER : ADRIAN MILLER	LEASE : BECKMAN
WELL : #1 TEST: 5	GEOLOGIST:
ELEVATION: 2968 K.B.	FORMATION:
SECTION : 13	TOWNSHIP : 13S
RANGE : 34W COUNTY: LOGAN	STATE : KS
GAUGE SN#: 13760 RANGE : 3950	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	89.00	89.00
5.00	73.00	-16.00
10.00	69.00	-4.00
15.00	67.00	-2.00
20.00	67.00	0.00
25.00	70.00	3.00
30.00	72.00	2.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	256.00	256.00	0.00
6.00	888.00	632.00	0.00
9.00	993.00	105.00	0.00
12.00	1040.00	47.00	0.00
15.00	1071.00	31.00	0.00
18.00	1094.00	23.00	0.00
21.00	1114.00	20.00	0.00
24.00	1127.00	13.00	0.00
27.00	1142.00	15.00	0.00
30.00	1153.00	11.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	109.00	109.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

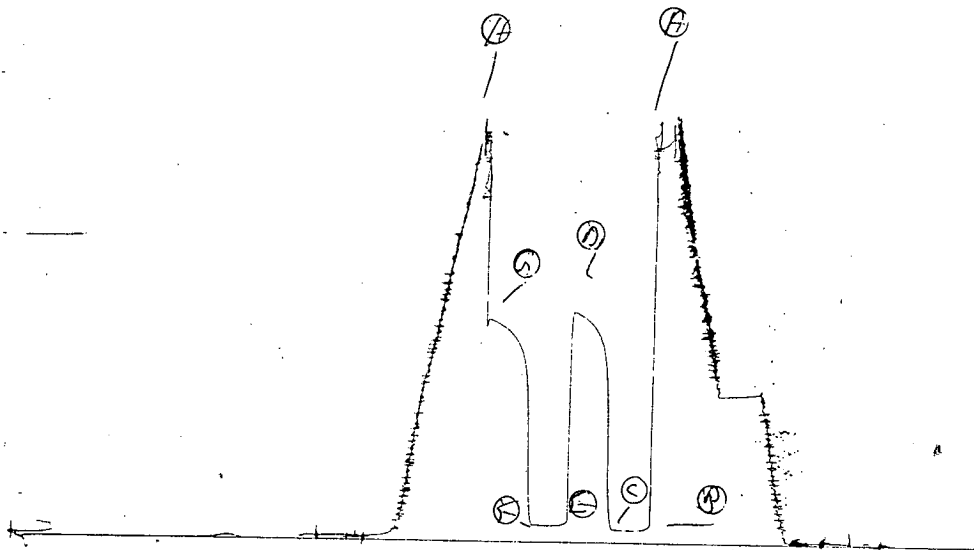
Time (min)	Pressure	Delta P
5.00	92.00	-17.00
10.00	88.00	-4.00
15.00	88.00	0.00
20.00	89.00	1.00
25.00	90.00	1.00
30.00	91.00	1.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner ^A T
3.00	448.00	448.00	0.00
6.00	851.00	403.00	0.00
9.00	944.00	93.00	0.00
12.00	992.00	48.00	0.00
15.00	1024.00	32.00	0.00
18.00	1046.00	22.00	0.00
21.00	1064.00	18.00	0.00
24.00	1078.00	14.00	0.00
27.00	1088.00	10.00	0.00
30.00	1100.00	12.00	0.00
33.00	1110.00	10.00	0.00
36.00	1114.00	4.00	0.00

13760

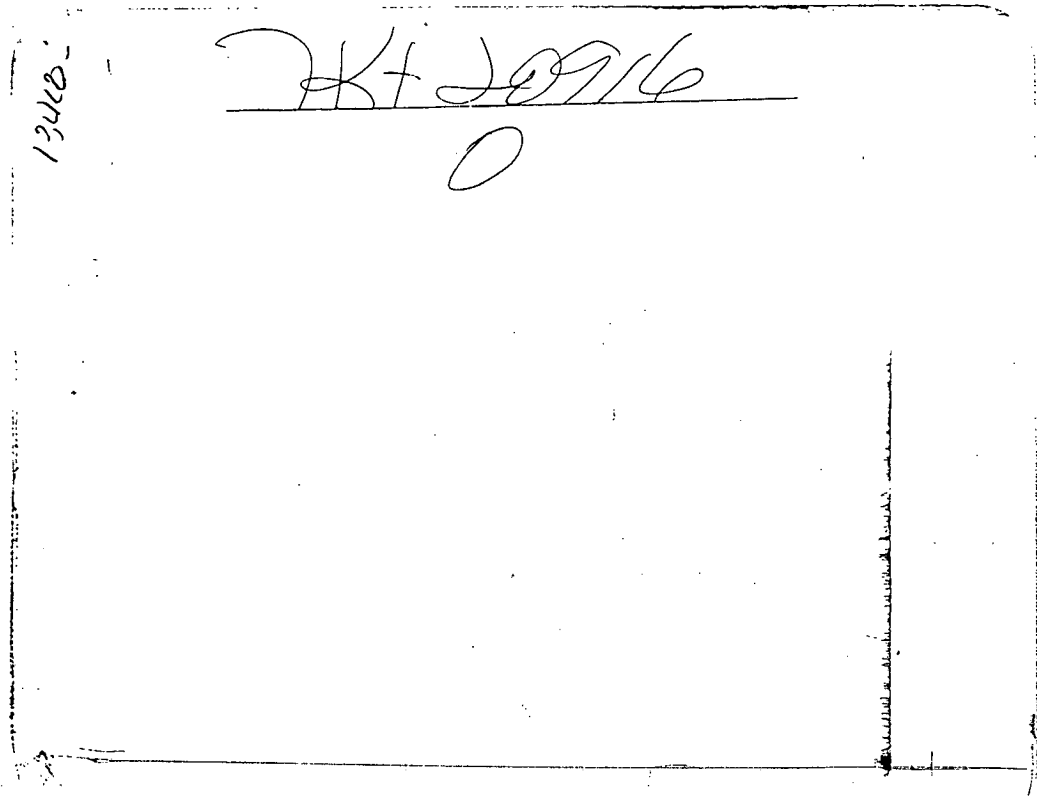
KT 20916
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Inside Recorder

13480

KT 20916
O



Outside Recorder

Shedder

KT 20916
Below Saddle

Inside Recorder

Outside Recorder

CONFIDENTIAL

ORIGINAL

ALLIED CEMENTING CO., INC. 0000145

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

SERVICE POINT:
DAKLEY, KS

DATE <u>1-25-95</u>	SEC <u>13</u>	TWP <u>135</u>	RANGE <u>34W</u>	CALLED OUT	ON LOCATION <u>9:00 AM</u>	JOB START <u>10:00 AM</u>	JOB FINISH <u>10:15 PM</u>
LEASE <u>BECKMAN</u>	WELL # <u>1</u>	LOCATION <u>MONUMENT 135-2W-34N</u>			COUNTY <u>LOGAN</u>	STATE <u>KS</u>	

OLD OR NEW (Circle one)

CONTRACTOR <u>EMPHASIS DRILL RIG #</u>	OWNER
TYPE OF JOB <u>SURFACE</u>	CEMENT
HOLE SIZE <u>12 1/4</u> T.D. <u>270'</u>	AMOUNT ORDERED <u>160 SK 60/40 P2 39% 2% 65L</u>
CASING SIZE <u>8 5/8</u> DEPTH <u>267'</u>	
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL DEPTH	
PRES. MAX MINIMUM	COMMON @
MEAS. LINE SHOE JOINT	POZMIX @
CEMENT LEFT IN CSG. <u>15'</u>	GEL @
PERFS.	CHLORIDE <u>RELEASED</u> @

EQUIPMENT

PUMP TRUCK CEMENTER <u>TERRY</u>
<u>191</u> HELPER <u>WAYNE</u>
BULK TRUCK
<u>212</u> DRIVER <u>DEAN</u>
BULK TRUCK
DRIVER

DEC @ 8 1996
FROM CONFIDENTIAL
HANDLING @
MILEAGE @

REMARKS:

DISP 16 BBL

CEMENT DID CIRC.

SERVICE

DEPTH OF JOB
PUMP TRUCK CHARGE
EXTRA FOOTAGE @
MILEAGE @
PLUG <u>8 5/8 SURFACE</u> @

CHARGE TO: ADRIAN O. MILLER

STREET _____

CITY _____ STATE _____ ZIP _____

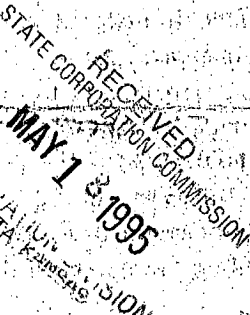
FLOAT EQUIPMENT

@
@
@
@
@

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.

TAX _____
TOTAL CHARGE _____
DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Larry Langhopes



CONFIDENTIAL

ALLIED CEMENTING CO., INC. 00201

ORIGINAL

REMIT TO: P.O. BOX 31, RUSSELL, KANSAS 67665 SERVICE POINT: OAKLEY, KS

DATE <u>2-11-95</u>	SEC <u>13</u>	TWP. <u>13S</u>	RANGE <u>34W</u>	CALLED OUT	ON LOCATION <u>7:30 AM</u>	JOB START <u>8:00 PM</u>	JOB FINISH <u>10:00 PM</u>
BECKMAN LEASE		WELL # <u>1</u>	LOCATION <u>MONUMENT 135-2W-34W</u>		COUNTY <u>LOGAN</u>	STATE <u>KS</u>	

OLD OR (NEW) (Circle one)

CONTRACTOR <u>EPPHASES DRUG RIG'S</u>	OWNER <u>SAME</u>
TYPE OF JOB <u>PTA</u>	CEMENT
HOLE SIZE <u>7 7/8"</u>	T.D. <u>4700'</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2"</u>	DEPTH <u>2400'</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	

AMOUNT ORDERED <u>190</u>	<u>ask 60/40 22 8.66L 47H SEAL</u>
COMMON @	
POZMIX @	
GEL @	
CHLORIDE <u>RELEASED</u>	

EQUIPMENT

PUMP TRUCK # <u>191</u>	CEMENTER <u>TERRY</u>	HELPER <u>WAYNE</u>
BULK TRUCK # <u>218</u>	DRIVER <u>DEAN</u>	
BULK TRUCK #	DRIVER	

HANDLING @	
MILEAGE @	
TOTAL	

REMARKS:

25 SKS AT 2400'
100 SKS AT 1450'
40 SKS AT 300'
10 SKS AT 40'
15 SKS AT RAY HOLE

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	
EXTRA FOOTAGE @	
MILEAGE @	
PLUG <u>8 7/8" RAY HOLE</u>	
TOTAL	

CHARGE TO: ADRIAN O. MILLER

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

@	
@	
@	
@	
TOTAL	

RECEIVED
 KANSAS CORPORATION COMMISSION

MAY 18 1995

CONSERVATION DIVISION
 WICHITA, KS

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 Terry Tangle

TAX	
TOTAL CHARGE	
DISCOUNT	
IF PAID IN 30 DAYS	