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

CONFIDENTIAL

API NO. 15- 033-20,916-0000

County COMANCHE COUNTY, KANSAS

Approx.W/2 E/2 NE Sec. 18 Twp. 35S Rge. 16 X E W

1200 Feet from S/N (circle one) Line of Section

930 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 BEELEY Well # 18-1

Field Name Wildcat

Producing Formation None

Elevation: Ground 1908' KB 1913'

Total Depth 6100' PBTD

Amount of Surface Pipe Set and Cemented at 506' Feet

Multiple Stage Cementing Collar Used? ____ Yes X 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 JH 8-19-97
(Data must be collected from the Reserve Pit)

Chloride content 7000 ppm Fluid volume 2000 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name ____

Lease Name ____ License No. ____

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

County ____ Docket No. ____

Operator: License # 31898

Name: CONLEY P. SMITH OPER. CO.

Address 1125 17th Str, Suite 2360

City/State/Zip Denver, CO 80202

Purchaser: N/A

Operator Contact Person: ROBERT P. VERNON

Phone (____) 303-296-1434

Contractor: Name: ABERCROMBIE RTD, INC.

License: 30684

Wellsite Geologist: Peter Debenham (Whitehall Expl. Corp.)

Designate Type of Completion
____ New Well ____ Re-Entry ____ Workover

____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR ____ SIGW
X Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

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Operator: ____

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. ____

9/22/96 Spud Date
10/03/96 Date Reached TD
10/04/96 Completion Date

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KCC
NOV 27
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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 Robert P. Vernon

Title VP & Operations Manager Date 11-27-96

Subscribed and sworn to before me this 27th day of November, 19 96.

Notary Public Cheryl Rodgers

Date Commission Expires 11-27-96

CHERYL RODGERS NOTARY PUBLIC STATE OF COLORADO

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)

ORIGINAL

SIDE TWO

Operator Name CONLEY P. SMITH OPER. CO. Lease Name BEELEY Well # 18-1

Sec. 18 Twp. 35S Rge. 16W ☐ East ☒ West County COMANCHE COUNTY, KANSAS

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.) ☒ Yes ☐ No

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☒ Yes ☐ No

List All E.Logs Run:
1. Micro/GR
2. Dual Induction /GR
3. Neutron Density
4. Sonic

☐ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
Lansing	4634	2719
Miss	5360	3445
Viola	5838	3923
Upr Bromide Dolomite	6070	4155

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"	23#	506.00'	65/35 poz	200	3%cc,1/4#floseal
					Class A	100	3% $CaCl_2$ 2% gel
Conductor	30"	16"		40'	Ready Mix	Filled	to surface

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone				
		N/A		

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

TUBING RECORD	Size	Set At	Packer At	Liner Run ☐ Yes ☐ No

Date of First, Resumed Production, SWD or Inj.	Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)
D&A	

Estimated Production Per 24 Hours	Oil N/A Bbls.	Gas N/A Mcf	Water N/A Bbls.	Gas-Oil Ratio	Gravity

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

METHOD OF COMPLETION ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other (Specify)

Production Interval

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WHITEHALL EXPLORATION CORPORATION

Wellsite Geological Consulting & Complete Well Logging

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GEOLOGICAL ANALYSIS & WELL REPORT

Conley P. Smith Operating CO.

BEELEY NO. 18 - 1
WEST YELLOWSTONE PROSPECT
APOLLO PROGRAM

1370' FNL & 1300' FEL
Section 18 - Township 35 South - Range 16 West
Comanche County, Kansas

15-033-20916

KCC

NOV 27

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September, 1996

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87 DeFrance Way • Golden, Colorado 80401 • (303) 279-6894

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GENERAL WELL INFORMATION

Operator:	Conley P. Smith Operating Company, 1125 17th St., #2360, Denver, CO 80202 Company Geologist: Larry Goessman, Ken Roberts
Well Name:	Beeley No. 18-1, West Yellowstone Prospect, Apollo Program - 15 miles NE of Freedom, Oklahoma
Elevation:	K.B. 1915' G.L. 1910'
Field:	Wildcat 15-033-20916
Contractor:	Abercrombie Drilling Inc., Rig No. 5 Toolpusher Bill Craig
Surface Casing:	20" conductor pipe set at 47', 12 joints of new 8 5/8", 23 Lbs/ft. set at 506' with 200 sacks 65/35 Pozmix and 100 sacks Class A(3%cc, 2%gel, 1/4# floseal). Cement did circulate. Plug down 11 AM 9/23/96.
Total Depth:	LTD 6095', RTD 6100' NOV 27 CONFIDENTIAL
Wellsite Supervision:	3000' to RTD
Wellsite Geologist:	Peter Debenham, Whitehall Exploration Corp., 87 DeFrance Way, Golden, Colorado 80401 303/279-6894
Drilling Consultant:	Art Lebolo - DRW Operating Co. - Denver, CO
Mudlogging Trailer:	MBC Logging and Leasing - Meade, Kansas
Drillstem Testing:	Trilobite Testing LLC., Engineer Mike Colantonio DST No. 1(5374'-5404'), Warsaw Formation
Mud Program:	Mud Co., Inc - Engineer Gary Talbott, Displaced at 4280'. Type: Chemical Gel/LCM
Electric Logs:	Schlumberger, Engineer Damir Bertovic Array Induction Imager/Gr - Surface to TD Compensated Neutron/Litho-Density BHC Sonic, Microlog

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Samples: One set dry cut to KGS Sample Log Library-Wichita
One set stored with Conely P. Smith-Denver

Status: Plugged and abandoned 10/4/96 with 50 sacks cement set at 990', 50 sacks at 510', 10 sacks at 40', 10 sacks in mousehole and 15 in rathole. Orders by state engineer Steve Durant.

DAILY DRILLING CHRONOLOGY

DATE	7:00 AM DEPTH	24 HOUR FOOTAGE	7:00 A.M. OPERATION: 24 HOUR ACTIVITY
9/22			Move to location and rig up rotary tools. Wait on water. Drill rathole.
9/23	47'	47'	Drill cement. 20" conductor pipe previously cemented to 47'. Drill 12 1/4" surface hole to 510'. Drop survey(3/4°) and trip for surface casing. Run 12 joints of 8 5/8", 20#/ft., surface casing set at 506'. Cement and wait on cement-did circulate. Nipple up and pressure test BOP. Drill plug and cement and drill new 7 7/8" hole to 609'.
9/24	609'	562'	Drill to 2330. Work on standpipe and BOP. Run survey (3/4°).
9/25	2330'	1721'	Drill to 3130'. Jet pits and displace mud system at 3021'. Rig up mudlogging trailer. Begin geological supervision.
9/26	3630'	1300'	Drill to 3870'
9/27	3890'	260'	Drill to 4490'. Service mud pump and jet pits. Displace mud system at 4280'.
9/28	4490'	600'	Drill to 4957'. Circulate for samples at 4673' and 4931'.
9/29	4957'	467'	Drill to 5275'. circulate for samples at 5036', 5086' and 5263'.

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9/30	5275'	318'	Drill to 5404' and circulate for samples. Short trip 30 stands and circulate. Drop survey(3/4°) and strap out for DST No.1(5374'-5404'), Warsaw Formation - 2' downhole correction. Run test(15-60-60-120). GTS in 55 minutes of FF period.
10/1	5404'	129'	Reverse fluid and pull tool. Problems in reversing out. Lay down test tool. Trip to bottom and circulate and condition hole. work on air dryer. Drill to 5563'.
10/2	5563'	159'	Drill to 5710' and trip for Bit No. 3. Trip in, ream to bottom and drill to 5765'. Lost circulation(50 BBLS) at 5739'. Pull 4 stands and mix mud and LCM.
10/3	5765'	202'	Circulate for samples at 5886'. Drill to 6089'. Replace head on mud pump.
10/4	6089'	324'	Drill to 6100' TD and circulate for samples. Drop survey(1 1/4°) and strap out for E Logs-2' downhole correction. Run logs and wait on orders. plug and abandon well.

MUD PROPERTIES

DATE	DEPTH	WT	VIS	YP	WL	PH	CL	LCM#/bbl
9/25	2730'	10.2	28	--	--	--	92000	--
9/27	4085'	9.4	40	15	40.0	7.0	13000	--
9/28	4710'	8.8	51	12	16	11.0	6000	--
9/29	5070'	9.2	52	15	10.4	10.0	6000	--
9/30	5404'	9.1	52	18	11.2	9.0	5000	--
10/2	5650'	9.0	56	15	10.4	9.0	7000	4
10/3	5940'	8.9	54	20	11.2	9.0	7000	4

BIT RECORD

NO.	SIZE	MAKE	TYPE	OUT	FOOTAGE	HOURS
1-A	12 1/4"	HTC	SI-ATJ	510'	463'	4 1/2
1	7 7/8"	WM	51-F	5404'	4894'	132
2	7 7/8"	RR WM	53-CF	5710'	306'	25 1/2
3	7 7/8"	RR Sec	ERA 25-C	6100'	390'	16 1/2
				Total Rotary Hours:		178 1/2
				Average:	33.86 feet/hour	

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DEVIATION RECORD

127' 1/2°, 510' 3/4°, 2035' 3/4°, 5404' 1°, 6100' 1 1/4°

DRILL STEM TEST DATA

DST NO. 1:(5374'-5404'), Warsaw Formation

Type: Conventional Bottom Hole Times: 15-60-60-120

PERIOD	PSI
IH	2649
IF	68-77
ISI	1480
FF	77-94
FSI	1639
FH	2622

BHT 124° F

BLOWS: IF - Strong blow off bottom of bucket in 30 seconds.
FF - Bbottom of bucket immediately-GTS in 55 minutes.
No blowback during shut in periods.

Recovery: 90' of gassy oil and mud-slightly water cut(47%gas, 20%oil, 30%mud, 3% water).

Sample Chamber: 1000 PSI, 3.2 cubic feet of gas, 2000 ml oil, 200 ml mud, 5 ml water)

Gravity oil 38° API at 72° F, Corrected gravity 40.6° API at 60° F

Comment: Problems occured in reversing out fluid recovery. 150 barrels of mud was lost downhole with 200 Lbs. of pressure on the backside(gained 40 back). Exact pipe recovery is unknown but probably close to what was actually recovered.

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*** T(DIAGRAM *** CONVENTIONAL

WELL NAME: Beeley #18-1

LOCATION : 18-35S-16W

TICKET No. 8640 D.S.T. No. 1 DATE 9-30-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 25ft

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 35ft

TOTAL TOOL 60ft

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY .....

D.C. ABOVE TOOLS.Stands4 Single Total 360ft

D.P. ABOVE TOOLS.Stands53 Single 2 Total 5018ft

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5438ft

TOTAL DEPTH 5404ft

TOTAL DRILL PIPE ABOVE K.B. ..... 34ft.

REMARKS:

SAMPLER DATA

3.2 Cubic ft. Gas

2000 ml clean oil

200 ml mud

5 ml Water

1000 Psi.

4000 ml Total

P.O. SUB 1ft	5344
C.O. SUB	
S.I. TOOL 5ft	5345
3ft SAMPLER	5350
HMV 5ft	5353
JARS 5ft	5358
SAFETY JOINT 2ft	5363
PACKER 5ft	5369
PACKER 5ft	5374
DEPTH	
STUBB 1ft	5375
ANCHOR	
2ft perf	5377
Alpine Rec.	5378
6ft pick up sub	5383
T.C.	
DEPTH	
15ft perf	5398
3ft perf	5401
AK-1 Rec.	5401
BULLNOSE	
T.D. 3ft	5401

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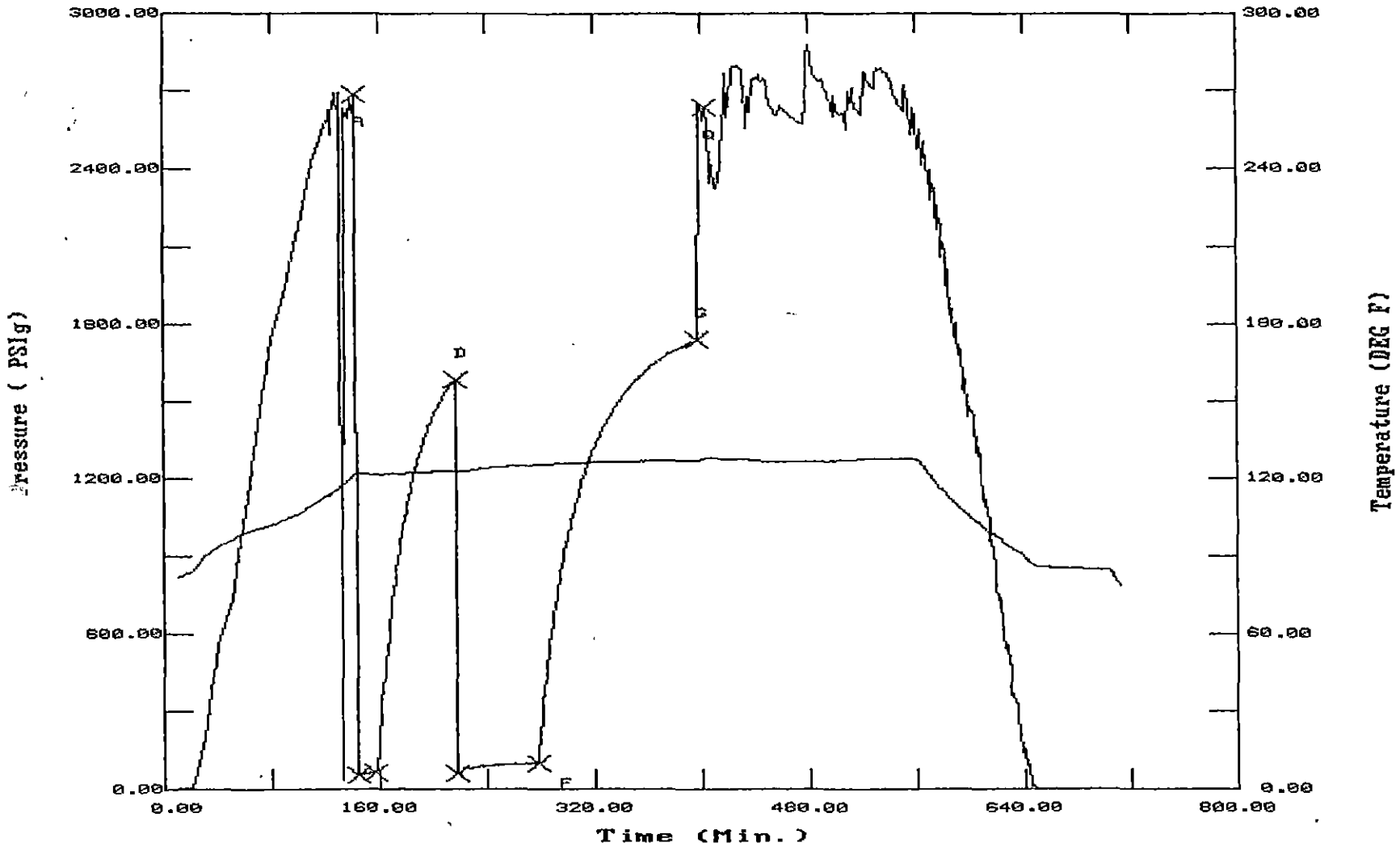
TEST HISTORY

8640 DST#1 Beeley #18-1 Conlay P Smith

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2687.42
B:	0.00	59.68
C:	13.00	64.19
D:	60.00	1585.94
E:	0.00	56.46
F:	60.00	100.50
G:	119.00	1739.83
Q:	0.00	2634.43



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TRILOBITE TESTING L.L.C.

OPERATOR : Conlay P Smith — DATE 9-30-96
WELL NAME: Beeley #18-1 — KB 1915.00 ft — TICKET NO: 8640 — DST #1
LOCATION : 18-35S-16W — GR 1910.00 ft — FORMATION: Warsaw
INTERVAL : 5374.00 To 5404.00 ft — TD 5404.00 ft — TEST TYPE: CONVENTIONAL

RECORDER DATA

	Mins		Field	1	2	3	4
PF	15	Rec.	2836	2836	2341		
SI	60	Range(Psi)	3500.0	3500.0	4995.0	0.0	0.0
SF	60	Clock(hrs)	30418	30418	Elet.		
FS	120	Depth(ft)	5401.0	5401.0	5378.0	0.0	0.0

TIME DATA----------
PF Fr. 1736 to 1751 hr
IS Fr. 1751 to 1851 hr
SF Fr. 1851 to 1951 hr
FS Fr. 1951 to 2151 hr

	Field	1	2	3	4
A. Init Hydro	2649.0	0.0	2687.0	0.0	0.0
B. First Flow	68.0	0.0	53.0	0.0	0.0
B1. Final Flow	77.0	0.0	64.0	0.0	0.0
C. In Shut-in	1480.0	0.0	1585.0	0.0	0.0
D. Init Flow	77.0	0.0	56.0	0.0	0.0
E. Final Flow	94.0	0.0	100.0	0.0	0.0
F. Fl Shut-in	1639.0	0.0	1738.0	0.0	0.0
G. Final Hydro	2622.0	0.0	2634.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 1500 hr
T ON BOTM 1734 hr
T OPEN 1736 hr
T PULLED 2151 hr
T OUT 0330 hr

TOOL DATA----------

Tool Wt.	1800.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	75000.00 lbs
Initial Str Wt	72000.00 lbs
Unseated Str Wt	72000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	360.00 ft
D.P. Length	5018.00 ft

RECOVERY
Tot Fluid 0.00 ft of 0.00 ft in DC and 0.00 ft in DP
0.00 ft of Had trouble reversing fluid actual fluid
0.00 ft of recorvey unknow
0.00 ft of
90.00 ft of Gassy Oil & Mud sly water cut
0.00 ft of 47%Gas 20%Oil 3%Water 30%Mud
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 40.60

MUD DATA----------

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	52.00 S/L
W.L.	11.20 in3
F.C.	0.00 in
Mud Drop Y	50.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	124.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out Y	
Tool Chased N	
Tester	Mike Colantonio
Co. Rep.	Art Lebelo
Contr.	Abercrombie
Rig #	5
Unit #	
Pump T.	

BLOW DESCRIPTION
1st. opening strong blow B.O.B. in 30sec

2nd. opening strong blow B.O.B. as soon as open tool.

SAMPLES: yes 1
SENT TO:Caraway Lab Liberal

Test Successful: Y

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GAS RECOVERY

COMPANY: Conlay P Smith
WELL NAME: Beeley #18-1
WELL LOCATION: 18-35S-16W

DATE: 9-30-96
KB Elev: 1915.00 ft TICKET #8640 DST #1
GR Elev: 1910.00 ft FORMATION: Warsaw

INTERVAL Fr.: 5374.00 To 5404.00 T.D.: 5404.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla Data

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
55	0.12	0	4	1006.0
60	0.12	0	4	1006.0

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ELECTRIC LOG FORMATION TOPS - KB Elevation 1915'

FORMATION	DEPTH	DATUM
Wabaunsee	3450'	-1535'
Stotler	3586'	-1671'
Howard	3696'	-1781'
Lecompton	4176'	-2261'
Elgin SS	4303'	-2388'
Heebner	4423'	-2508'
Lansing	4634'	-2719'
B Zone	4658	-2743'
H Zone	4880'	-2965'
Stark SH	5015'	-3100'
K Zone	5020'	-3105'
L Zone	5071'	-3156'
BKC	5124'	-3209'
Marmaton	5210'	-3295'
Pawnee	5252'	-3337'
Cherokee	5293	-3378'
Mississippi	5360'	-3445'
Warsaw	5375'	-3460'
Kinderhook	5759'	-3844'
Chouteau	5794'	-3879'
Viola	5837'	-3922'
Upper Bromide Dolomite	6069'	-4154'
TD	6100'	-4185'

STRUCTURAL CONSIDERATION - Datum Depths

FORMATION	BEELEY NO.18-1	*BEELEY UNIT #1	POSITION
Wabaunsee	-1535'	-1522'	-13'
Elgin SS	-2388'	-2377'	-11'
Heebner	-2508'	-2491'	-17'
Lansing	-2719'	-2702'	-17'
B Zone	-2743'	-2725'	-18'
H Zone	-2965'	-2945'	-20'
Stark Shale	-3100'	-3078'	-22'
K Zone	-3105'	-3081'	-24'
L Zone	-3156'	-3139'	-17'
BKC	-3209'	-3181'	-28'

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Marmaton	-3295'	-3264'	-31'
Pawnee	-3337'	-3305'	-32'
Cherokee	-3378'	-3347'	-31'
Mississippi	-3445'	-3416'	-29'
Warsaw	-3460'	-3416'	-44'
Kinderhook	-3844'	-3793'	-51'
Viola	-3922'	-3877'	-45'
Upper Bromide Dolomite	-4145'	-4110'	-44'

*Petroleum Inc., Beeley Unit No. 1, C-NE-SE, Section 7, T35S, R16W, Comanche Co., Kansas - app. 3300' to the North, KB Elevation 1905'

ZONES OF INTEREST

FORMATION	LOG DEPTH	LITHOLOGIC & SHOW DESCRIPTIONS, REMARKS
Lansing "H Zone"	4910'-4915'	76 Unit gas increase, 10% porosity with gas cross-over and 3' of microlog seperation. Limestone - Light brown, white, microsparite, microcrystalline, microsucrosic, subchalky, clean, brittle, pyritic, oolitic and fossiliferous with moldic porosity, trace intercrystalline and fine vuggy porosity, no fluorescence, no stain or cut, with abundant free Pyrite.
Lansing "L Zone"	5074'-5086'	37 Units gas, up to 25% porosity with no gas cross-over. Limestone - Medium to dark brown, oomicrite, finely crystalline, very brittle, clean, very oolitic with excellent oomoldic porosity, no fluorescence, no stain or cut
Warsaw	5375'-5402'	128 Unit gas increase, up to 16% porosity, no gas cross-over, 6' of microlog seperation. Dolomite - Medium brown, microcrystalline, sucrosic, brittle, clean, sandy in part and slightly glauconitic, good intercrystalline and fine vuggy porosity, mottled goldbrown hydrocarbon fluorescence in 40% of the samples, good streaming cut, light brown oil stain, excellent show. DST No.1(5401'-5371', corrected E-log depths), GTS in 55 min./FF, 90' G&MCO/ft W, 1480/1639, FF 77-94.

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WELL AND GEOLOGIC SUMMARY

GENERAL

The Conely P. Smith Operating Company, Beeley No. 18-1, West Yellowstone Prospect(Apollo Program) was drilled to a total depth of 6100' in the Upper Bromide Dolomite with no unusual problems. The closest offset was the Petroleum Inc., Beeley Unit No. 1-approximately 3300' to the North. The Wabaunsee came in 13' low relative to this offset. The Heebner and Lansing ran 18' low. Thickening occured and formation tops from the BKC to the Mississippi ran 28' to 32' low. Further loss of section occured and the Warsaw came in 44' low. The Kinderhook, Viola, and Upper Bromide Dolomite ran 51', 55', and 44' low respectively.

The only hydrocarbon show with potential for production occured in the the Warsaw Formation from 5375' to 5402'. This interval consists of a Dolomite - Medium brown, microcrystalline, sucrosic, brittle, clean, sandy and slightly glauconitic in part, good intercrystalline and fine vuggy porosity, mottled goldbrown hydrocarbon fluorescence in 40% of the samples, good streaming cut, light brown oil stain, excellent show. A 128 unit gas increase occured on the the hotwire.

This interval was drillstem tested(5401'-5371', corrected E-log depths) and recovered gas to surface in 55 minutes of the final flow period and 90' of gassy oil and mud, slightly water cut(47% gas, 20% oil, 30% mud and 3% water). The slowly building flowing pressures(68/77 and 77/94) and shut in bottom hole pressures(1480/1639) indicate this zone to be of relatively low permeability.

Minor gas increases occured in the Lansing Formation. The most noteworthy of which occured in the "H Zone" from 4910' to 4915' and consists of a Limestone - Light brown, white, microsparite, microcrystalline, microsucrosic, brittle, clean, pyritic, oolitic and fossiliferous with trace moldic porosity, fair intercrystalline and fine vuggy porosity, no fluorescence, no stain or cut, with abundant free Pyrite, A 76 unit gas increase occured. 10% porosity is noted on logs with gas cross-over and 3' of microlog seperation.

The Lansing "L Zone"(5076'-5086') consists of a Limestone - Medium to dark brown, oomicrite, very brittle, very olitic with excellent oomoldic porosity, no fluorescence, no stain or cut. A 37 Unit gas increase occured on the hotwire and excellent porosity noted on logs.

No shows were noted in the Marmaton, Pawnee, Viola or Upper Bromide Dolomite.

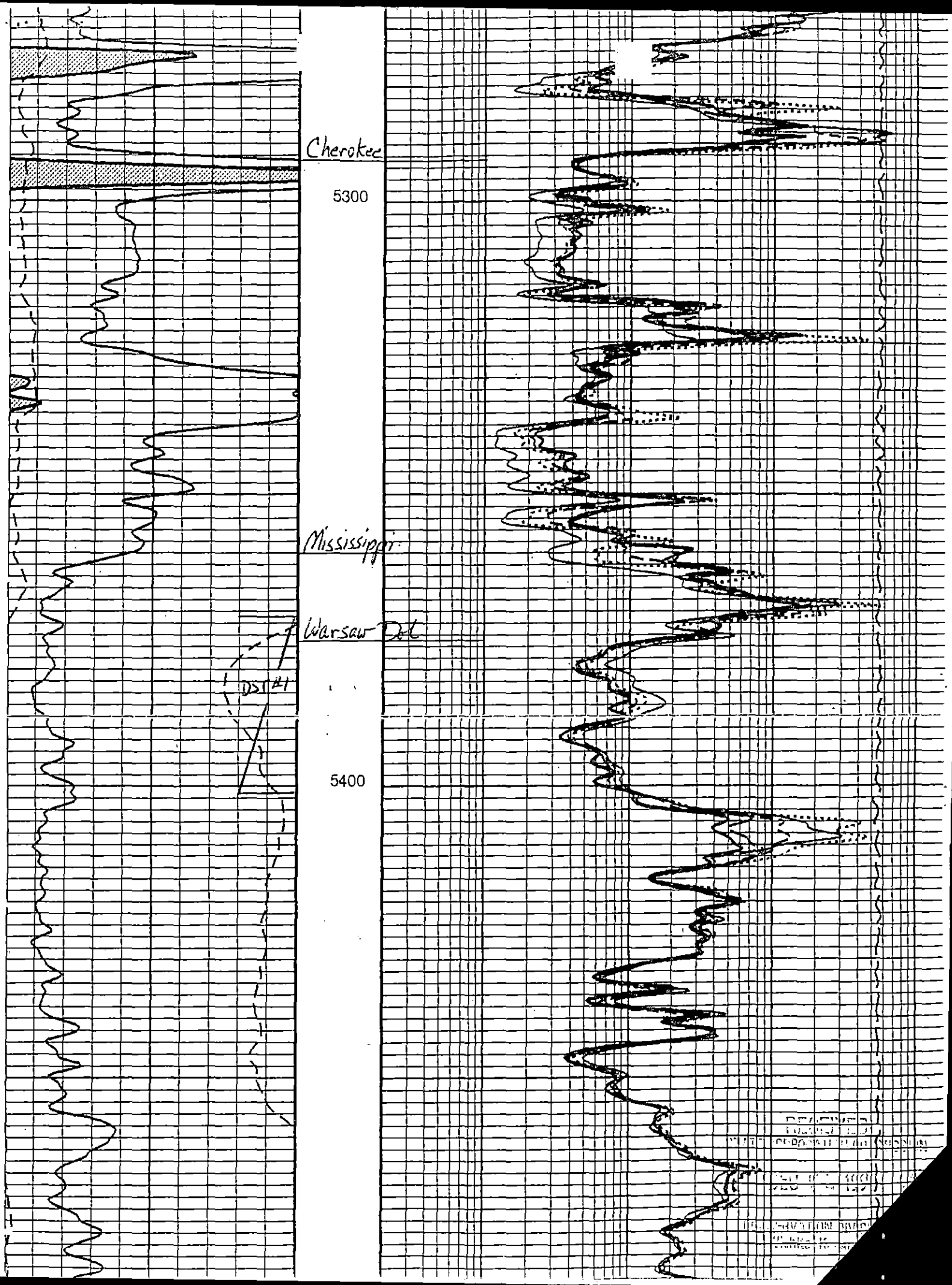
The Beeley No. 18-1 was plugged and abandoned 10/4/96. Once again, appreciation goes to toolpusher Bill Craig and Abercrombie Rig 5 personel for their efficient manner of operation during the drilling of this test.

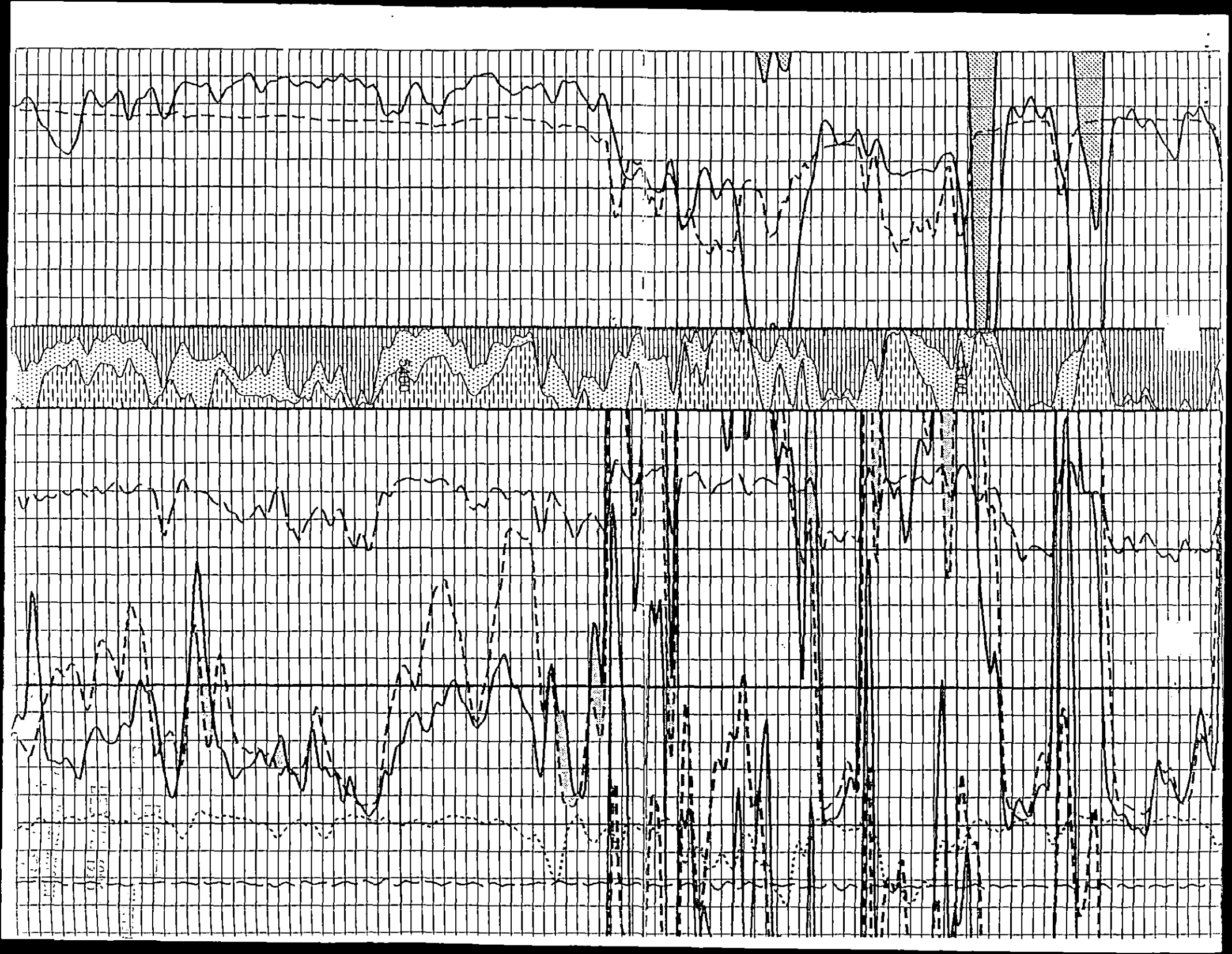
Respectfully Submitted,

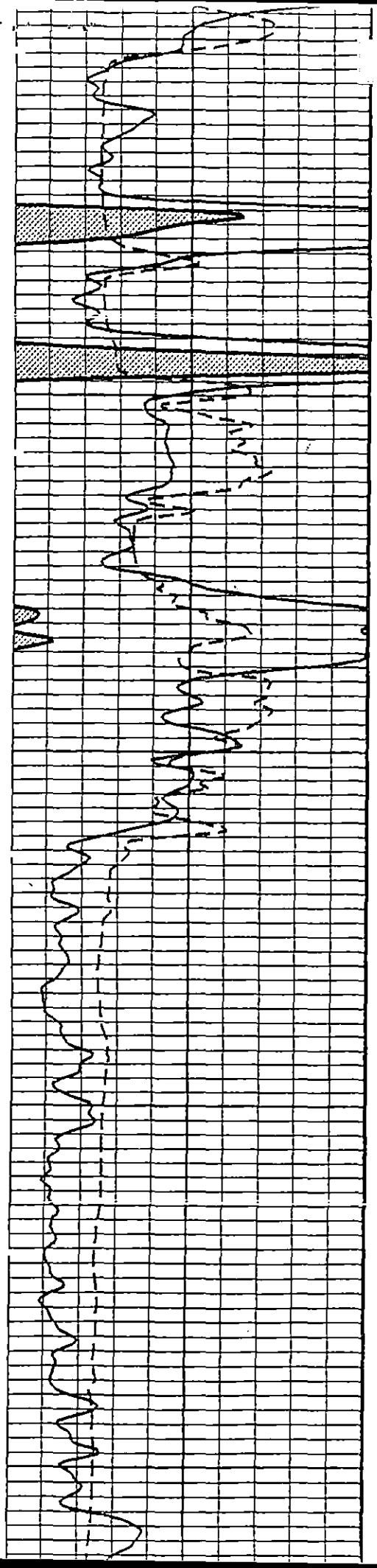
Peter Debenham

Peter Debenham
Whitehall Exploration Corporation

RECEIVED
STATE CORPORATION COMMISSION
DEC 0 2 1996
CONSERVATION DIVISION
Wichita, Kansas


Cherokee
5300
Mississippi
Warsaw Dol
DST #1
5400





5300

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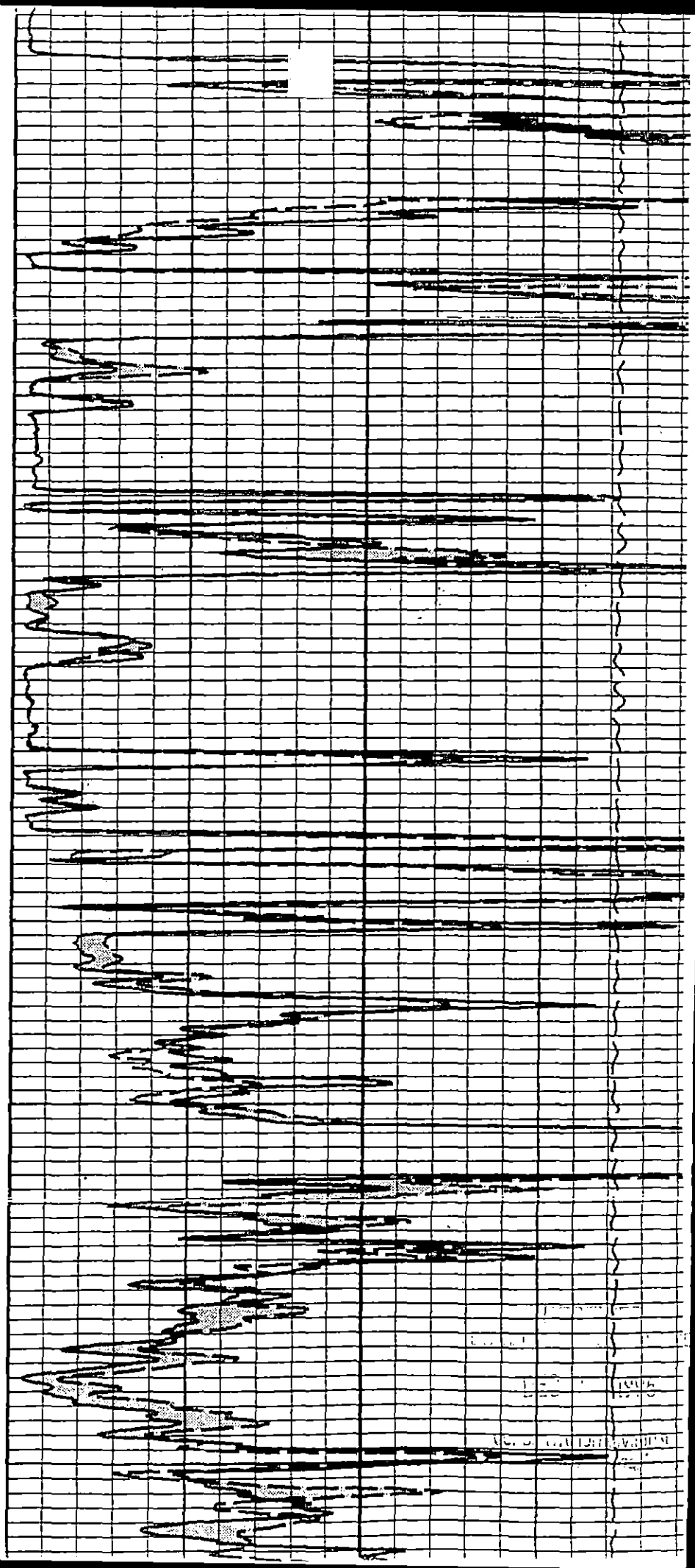
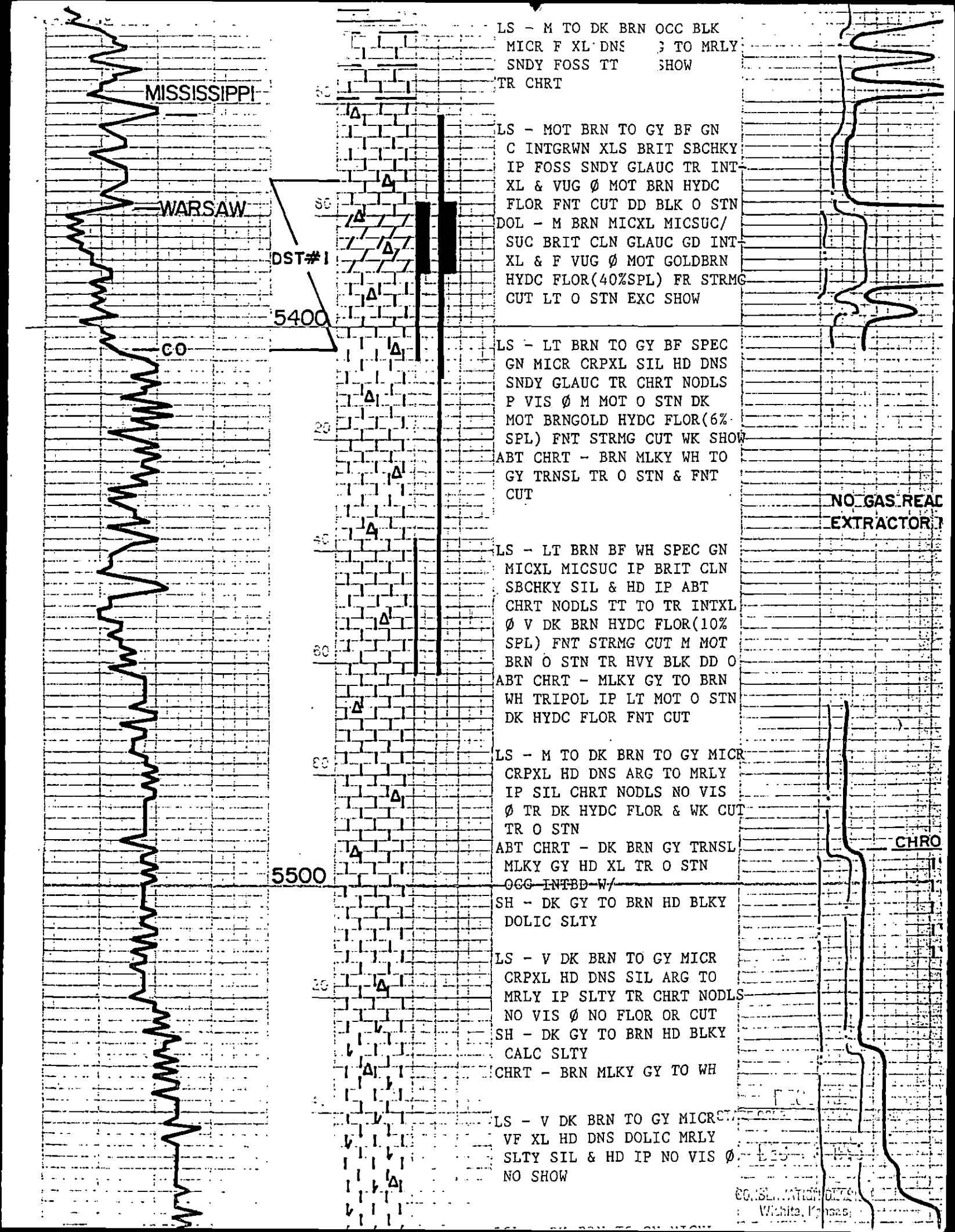



MISSISSIPPI
WARSAW
DST#1
5400
CO
5500
LS - M TO DK BRN OCC BLK
MICR F XL DNS G TO MRLY
SNDY FOSS TT SHOW
TR CHRT
LS - MOT BRN TO GY BF GN
C INTGRWN XLS BRIT SBCHKY
IP FOSS SNDY GLAUC TR INT-
XL & VUG Ø MOT BRN HYDC
FLOR FNT CUT DD BLK O STN
DOL - M BRN MICXL MICSUC/
SUC BRIT CLN GLAUC GD INT-
XL & F VUG Ø MOT GOLDBRN
HYDC FLOR(40%SPL) FR STRMG
CUT LT O STN EXC SHOW
LS - LT BRN TO GY BF SPEC
GN MICR CRPXL SIL HD DNS
SNDY GLAUC TR CHRT NODLS
P VIS Ø M MOT O STN DK
MOT BRNGOLD HYDC FLOR(6%
SPL) FNT STRMG CUT WK SHOW
ABT CHRT - BRN MLKY WH TO
GY TRNSL TR O STN & FNT
CUT
NO GAS READ
EXTRACTOR
LS - LT BRN BF WH SPEC GN
MICXL MICSUC IP BRIT CLN
SBCHKY SIL & HD IP ABT
CHRT NODLS TT TO TR INTXL
Ø V DK BRN HYDC FLOR(10%
SPL) FNT STRMG CUT M MOT
BRN O STN TR HVY BLK DD O
ABT CHRT - MLKY GY TO BRN
WH TRIPOL IP LT MOT O STN
DK HYDC FLOR FNT CUT
LS - M TO DK BRN TO GY MICR
CRPXL HD DNS ARG TO MRLY
IP SIL CHRT NODLS NO VIS
Ø TR DK HYDC FLOR & WK CUT
TR O STN
ABT CHRT - DK BRN GY TRNSL
MLKY GY HD XL TR O STN
OCC INTBD W/
SH - DK GY TO BRN HD BLKY
DOLIC SLTY
LS - V DK BRN TO GY MICR
CRPXL HD DNS SIL ARG TO
MRLY IP SLTY TR CHRT NODLS
NO VIS Ø NO FLOR OR CUT
SH - DK GY TO BRN HD BLKY
CALC SLTY
CHRT - BRN MLKY GY TO WH
LS - V DK BRN TO GY MICR
VF XL HD DNS DOLIC MRLY
SLTY SIL & HD IP NO VIS Ø
NO SHOW
CHRO
Wichita, Kansas

ALLIED CEMENTING CO., INC. -4155

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

ORIGINAL

SERVICE POINT: Medicine Lodge

DATE	SEC	TWP	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
9-23-96	18	35	12w	3:00 AM	6:30 AM	10:30 AM	11:00 AM

LEASE	WELL #	LOCATION	COUNTY	STATE
Beery	1-18	Camp Houston 10N, 3 1/2 W	Comanche	Kansas

OLD OR NEW (Circle one)

CONFIDENTIAL

CONTRACTOR Hypercrombie #5
OWNER Conley P. Smith

TYPE OF JOB Surface
HOLE SIZE 12 1/4" T.D. 510'
CASING SIZE 8 5/8" 23# DEPTH 506'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 600# MINIMUM
MEAS. LINE SHOE JOINT 35.51'
CEMENT LEFT IN CSG.
PERFS

KCC
NOV 27
CONFIDENTIAL

CEMENT
AMOUNT ORDERED 200 sx 65:35:6 + 3% Cal2 + 1/4# F-S
100 sx Class A + 3% Cal2 + 2% Gel

COMMON	@ 6.10	
POZMIX	@	
GEL	@ 9.50	
CHLORIDE	@ 23.00	
A.L.W.	@ 5.65	
Flo-Seal	@ 1.15	
	@	
	@	
HANDLING	@ 1.05	
MILEAGE x 60	.04	

RELEASED
JAN 27 1997
FROM CONFIDENTIAL
RECEIVED
STATE CORPORATION COMMISSION
CONSERVATION DIVISION

TOTAL #

EQUIPMENT

PUMP TRUCK CEMENTER R. Rangardt
#255-265 HELPER C. Baldwin
BULK TRUCK
#257-251 DRIVER S. Windsor
BULK TRUCK
DRIVER

REMARKS:

Run 8 5/8" Casing to Bottom + Break Circulation; Cement with 200 sx ALW + 3% Cal2 + 1/4# F-S Followed with 100 sx Class A + 2% Cal2 + 2% Gel. Displace Plug to 470' with 31 Bbl Fresh H2O Cement Did Circulate!

SERVICE

DEPTH OF JOB	506'	
PUMP TRUCK CHARGE	0-300'	445.00
EXTRA FOOTAGE	206' @ .41	84.46
MILEAGE	60 @ 2.85	171.00
PLUG 8 5/8" TRP	@ 90.00	90.00
	@	
	@	

TOTAL #

CHARGE TO: Hypercrombie, R.T.D.
STREET
CITY STATE ZIP

FLOAT EQUIPMENT

8 5/8"

1- Baffle Plate	@ 135.00	135.00
1- Basket	@ 200.00	200.00
2- Centralizer	@ 61.00	122.00
	@	
	@	

TOTAL #

TAX

TOTAL CHARGE #

DISCOUNT # IF PAID IN 30 DAYS

NET #

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 X W. C. Craig

ALLIED CEMENTING CO., INC. 4960

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

ORIGINAL

SERVICE POINT: Ft Bend

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
10-4-96	18	35	16	3:30 PM	8:30 PM	9:30 PM	10:45 PM

LEASE Beeby WELL # 18-1 LOCATION Southwest of Med Lodge COUNTY Comanche STATE Ks

OLD OR NEW (Circle one)

CONTRACTOR Abercrombie #5 OWNER Same

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8" T.D. 6100'

CASING SIZE DEPTH

TUBING SIZE DEPTH

DRILL PIPE 4 1/2" DEPTH 990'

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. RELEASED

PERFS.

JAN 29 1999

FROM CONFIDENTIAL

CEMENT

AMOUNT ORDERED 135 sks 60/40, 6% Gel

COMMON	81	@ 6.10	494.10
POZMIX	54	@ 3.15	170.10
GEL	7	@ 9.50	66.50
CHLORIDE		@	
HANDLING	135	@ 1.05	141.75
MILEAGE	60		324.00

TOTAL $1196.45

EQUIPMENT

PUMP TRUCK CEMENTER Tom V.
181 HELPER Bob B
BULK TRUCK
DRIVER John K
BULK TRUCK
DRIVER

RECEIVED
STATE CORPORATION COMMISSION
DEC 1996

REMARKS:

Mixed 50 sks @ 990'
50 sks @ 510'
10 sks @ 40'
15 sks in Rathole
10 sks in Mousehole.

Thank

SERVICE

DEPTH OF JOB	990'		
PUMP TRUCK CHARGE			445.00
EXTRA FOOTAGE		@	
MILEAGE	60	@ 2.85	171.00
PLUG		@ Did Not Use One	

TOTAL $616.00

CHARGE TO: Conley P. Smith
STREET 1125 17th Suite 2360
CITY Denver STATE Colo ZIP 80202

FLOAT EQUIPMENT

TOTAL

TAX —0—

TOTAL CHARGE $1812.45

DISCOUNT $271.87 IF PAID IN 30 DAYS

Net $1540.58

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 Ord Lybolo

ORIGINAL

CONFIDENTIAL

15-033-20916

RELEASED

JAN 29 1999

FROM CONFIDENTIAL

KCC

NOV 27

CONFIDENTIAL

WELL NAME: Beeley #18-1
COMPANY: Conley P. Smith
LOCATION: Sec. 18 Twp. 35S Rge. 16W
Comanche County Kansas
DATE: 10-3-96

TRILOBITE TESTING L.L.C.

OPERATOR : Conley P.Smith
WELL NAME: Beeley #18-1
LOCATION : 18-35S-16W
INTERVAL : 5374.00 To 5404.00 ft

DATE 9-30-96
KB 1915.00 ft
GR 1910.00 ft
TD 5404.00 ft

TICKET NO: 8640 DST #1
FORMATION: Warsaw
TEST TYPE: CONVENTIONAL

RECORDER DATA

	Mins		Field	1	2	3	4
PF	15	Rec.	2836	2836	2341		
SI	60	Range(Psi)	3500.0	3500.0	4995.0	0.0	0.0
SF	60	Clock(hrs)	12hr	12hr	Batt.		
FS	120	Depth(ft)	5401.0	5401.0	5378.0	0.0	0.0

TIME DATA----------
PF Fr. 1736 to 1751 hr
IS Fr. 1751 to 1851 hr
SF Fr. 1851 to 1951 hr
FS Fr. 1951 to 2151 hr

	Field	1	2	3	4
A. Init Hydro	2649.0	2613.0	2687.0	0.0	0.0
B. First Flow	68.0	94.0	53.0	0.0	0.0
B1. Final Flow	77.0	96.0	64.0	0.0	0.0
C. In Shut-in	1480.0	1503.0	1585.0	0.0	0.0
D. Init Flow	77.0	90.0	56.0	0.0	0.0
E. Final Flow	94.0	99.0	100.0	0.0	0.0
F. Fl Shut-in	1639.0	1644.0	1738.0	0.0	0.0
G. Final Hydro	2622.0	2590.0	2634.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 1500 hr
T ON BOTM 1734 hr
T OPEN 1736 hr
T PULLED 2151 hr
T OUT 0330 hr

TOOL DATA----------

Tool Wt.	1800.00	lbs
Wt Set On Packer	30000.00	lbs
Wt Pulled Loose	75000.00	lbs
Initial Str Wt	72000.00	lbs
Unseated Str Wt	72000.00	lbs
Bot Choke	0.75	in
Hole Size	7.88	in
D Col. ID	2.25	in
D. Pipe ID	3.80	in
D.C. Length	360.00	ft
D.P. Length	5018.00	ft

RECOVERY
Tot Fluid 0.00 ft of 0.00 ft in DC and 0.00 ft in DP
0.00 ft of Had trouble reversing fluid actual fluid
0.00 ft of recovery unknown.
0.00 ft of
90.00 ft of Gassy Oil & water cut mud
0.00 ft of 47%Gas 20%Oil 3%Water 30%Mud
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 40.60

MUD DATA----------

Mud Type	Chemical	
Weight	9.10	lb/c
Vis.	52.00	S/L
W.L.	11.20	in3
F.C.	0.00	in
Mud Drop Y	50.0 ft	
Amt. of fill	0.00	ft
Btm. H. Temp.	124.00	F
Hole Condition	Good	
% Porosity	0.00	
Packer Size	6.75	in
No. of Packers	2	
Cushion Amt.	0.00	
Cushion Type		
Reversed Out Y		
Tool Chased N		
Tester	Mike Colantonio	
Co. Rep.	Art Lebelo	
Contr.	Abercrombie	
Rig #	5	
Unit #		
Pump T.		

BLOW DESCRIPTION
Initial Flow -
Strong Blow - Bottom of bucket
in 30 seconds

Final Flow -
Strong blow - Bottom of bucket
as soon as opened tool
Gas to surface in 55 minutes

SAMPLES: yes 1
SENT TO:Caraway Lab Liberal

Test Successful: Y

TEST HISTORY

8640 DST#1 Beeley #18-1 Conley P. Smith

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2687.42
B:	0.00	53.68
C:	13.00	64.19
D:	60.00	1585.94
E:	0.00	56.46
F:	60.00	100.50
G:	119.00	1738.63
Q:	0.00	2634.43

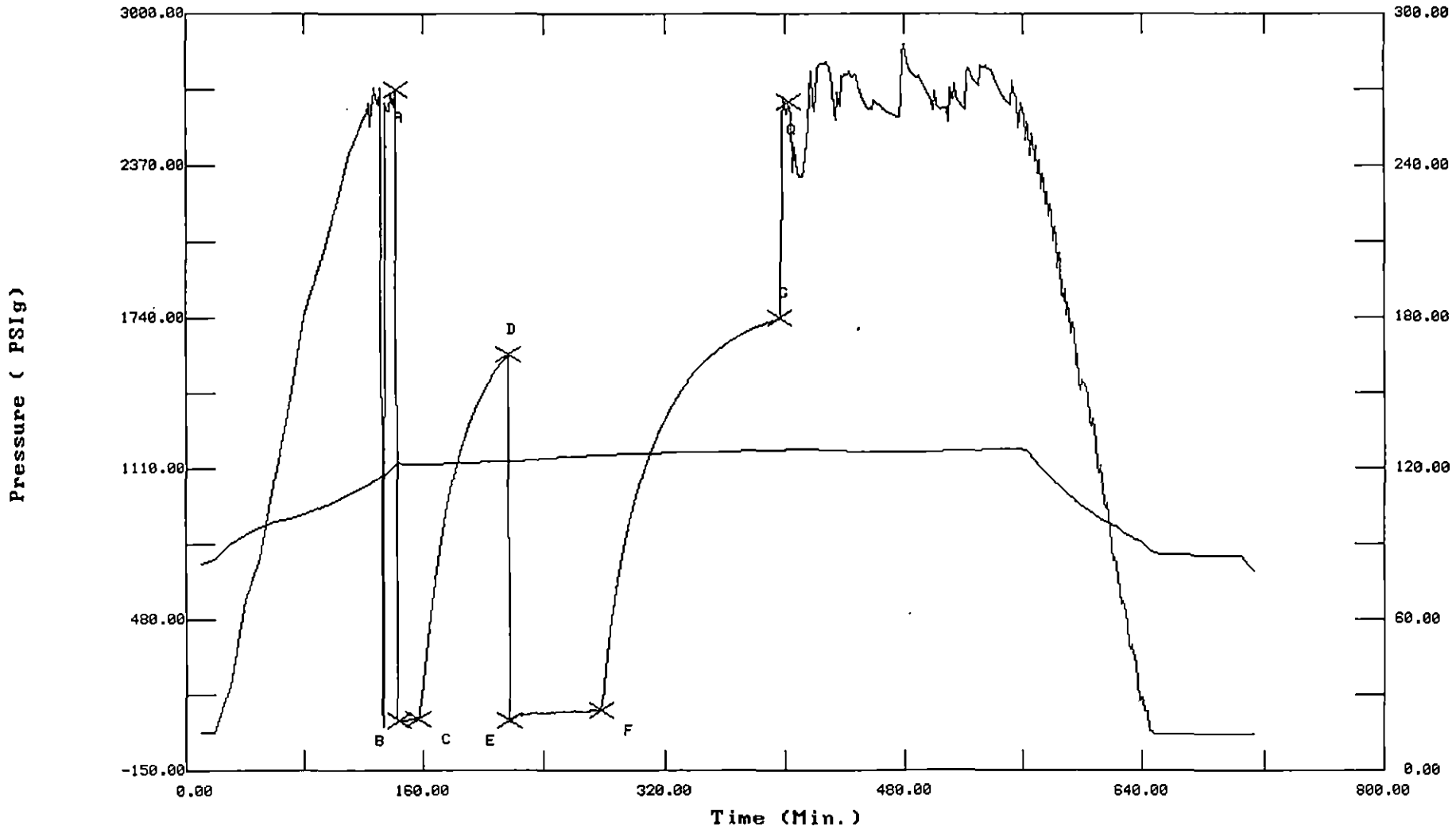
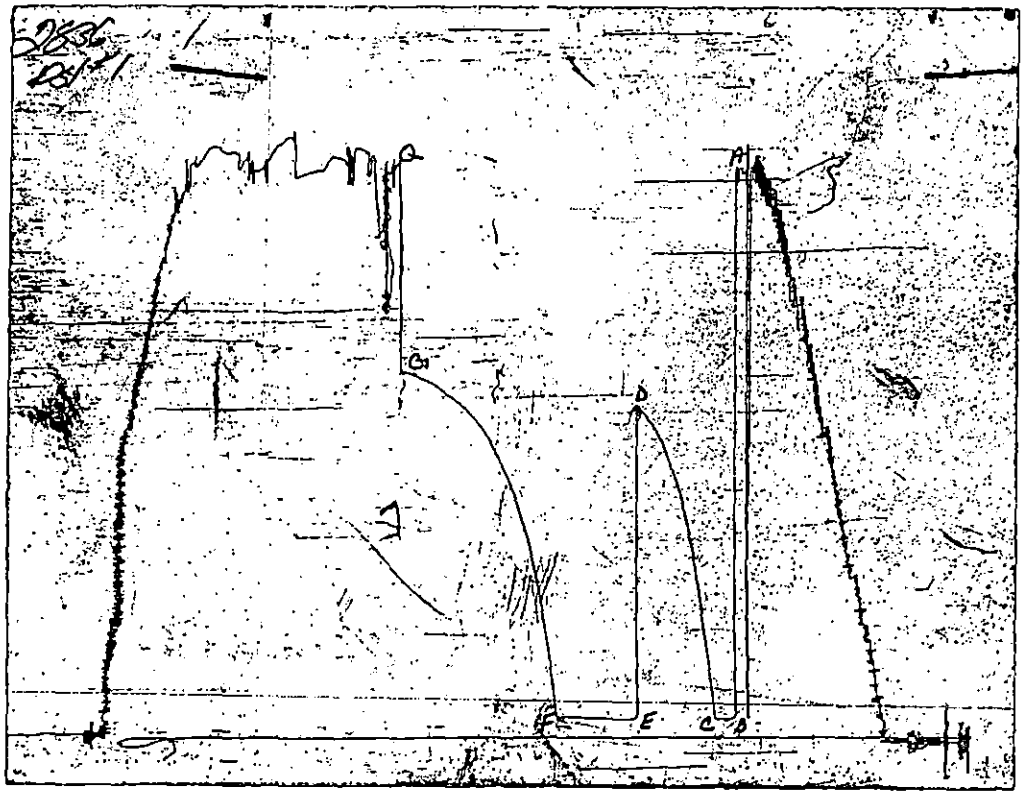


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

GAS RECOVERY

'OMPANY: Conley P.Smith DATE: 9-30-96
VELL NAME: Beeley #18-1 KB Elev: 1915.00 ft TICKET #8640 DST #1
VELL LOCATION: 18-35S-16W GR Elev: 1910.00 ft FORMATION: Warsaw
'NTERVAL Fr.: 5374.00 To 5404.00 T.D.: 5404.00 ft TEST TYPE: CONVENTIONAL

;AS RECOVERY MEASURED WITH Merla Data

·**** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
55	0.12	0	4	1060.0
60	0.12	0	4	1060.0

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L.L.C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, L.L.C.
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number:	960535	Analyzed:	10/03/96
Sample From:	Beeley 18-1 DST 1	Pressure:	
Producer:	Conley P. Smith	Temperature:	
Date:		Location:	18-35-16
Time:		County:	Comanche
Sampler:		State:	Kansas
Source:		Formation:	Warsaw

		Mole %	GPM
Helium	He:	0.150	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	2.450	0.000
Carbon Dioxide	CO2:	0.485	0.000
Methane	C1:	81.582	0.000
Ethane	C2:	6.525	1.745
Propane	C3:	3.299	0.909
Iso Butane	iC4:	1.031	0.337
Normal Butane	nC4:	1.859	0.586
Iso Pentane	iC5:	1.014	0.371
Normal Pentane	nC5:	1.170	0.424
Hexanes Plus	C6+:	0.435	0.190
	TOTAL:	100.000	4.562
	Z Fact:	0.9966	
	SP.GR.:	0.7300	
	BTU (SAT):	1211.9 @ 14.73 psia	
	BTU (DRY):	1233.4 @ 14.73 psia	
	OCTANE RATING:	120.4	

COMMENTS: No pressure in bottle 0.145
Sample entered under vacuum

Caraway Analytical, 03-Oct-96

*** TOOL DIAGRAM *** CONVENTIONAL

ELL NAME: Beeley #18-1

OCATION : 18-35S-16W

ICKET No. 8640 D.S.T. No. 1 DATE 9-30-96

OTAL TOOL TO BOTTOM OF TOP PACKERS 25ft

ITERVAL TOOL .....

OTTOM PACKERS AND ANCHOR 35ft

OTAL TOOL 60ft

ILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single Total

OTAL ASSEMBLY .....

.C. ABOVE TOOLS.Stands4 Single Total 360ft

..P. ABOVE TOOLS.Stands53 Single 2 Total 5018ft

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5438ft

OTAL DEPTH 5404ft

OTAL DRILL PIPE ABOVE K.B. ..... 34ft.

EMARKS:

SAMPLER DATA

.2 Cubic ft. Gas

000 ml clean oil

00 ml mud

ml Water

000 Psi.

,000 ml Total

P.O. SUB 1ft	5344
C.O. SUB	
S.I. TOOL 5ft	5350
3ft SAMPLER	5353
HMV 5ft	5358
JARS 5ft	5363
SAFETY JOINT 2ft	5365
PACKER Top	5369
PACKER Bottom	5374
DEPTH	
STUBB 1ft	5375
ANCHOR	
2ft perf	5377
Alpine Rec.	5378
6ft pick up sub	5383
T.C.	
DEPTH	
15ft perf	5398
3ft perf	5401
AK-1 Rec.	5401
BULLNOSE	
T.D. 3ft to	5404

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8640 DST#1 Beeley #18-1 Conley P. Smith

DATE: 09/30/96 TIME: 15:26:42

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	142.00	2687.4	0.0	121.73		
****** Start Flow 1	0.00	53.7	0.0	122.07		
	1.00	55.0	1.3	122.07		
	2.00	55.5	1.8	122.01		
	3.00	55.6	1.9	121.94		
	4.00	57.5	3.8	121.88		
	5.00	58.0	4.3	121.82		
	6.00	57.6	3.9	121.77		
	7.00	59.7	6.0	121.74		
	8.00	60.7	7.0	121.70		
	9.00	61.0	7.4	121.67		
	10.00	62.6	8.9	121.67		
	11.00	62.0	8.4	121.65		
	12.00	64.1	10.4	121.64		
****** End Flow 1	13.00	64.2	10.5	121.63		
****** Start Shutin 1	0.00	64.2	0.0	121.63	0.0000	0.004
	1.00	79.0	14.8	121.63	14.0000	0.006
	2.00	153.2	89.0	121.63	7.5000	0.023
	3.00	219.0	154.8	121.63	5.3333	0.048
	4.00	279.0	214.9	121.65	4.2500	0.078
	5.00	336.8	272.7	121.66	3.6000	0.113
	6.00	391.7	327.5	121.68	3.1667	0.153
	7.00	444.9	380.7	121.71	2.8571	0.198
	8.00	495.9	431.7	121.74	2.6250	0.246
	9.00	545.4	481.2	121.77	2.4444	0.297
	10.00	593.2	529.0	121.80	2.3000	0.352
	11.00	639.4	575.2	121.83	2.1818	0.409
	12.00	683.9	619.7	121.86	2.0833	0.468
	13.00	727.0	662.8	121.89	2.0000	0.528
	14.00	768.8	704.6	121.92	1.9286	0.591
	15.00	810.2	746.0	121.96	1.8667	0.656
	16.00	850.4	786.2	121.99	1.8125	0.723
	17.00	888.3	824.1	122.02	1.7647	0.789
	18.00	924.3	860.1	122.05	1.7222	0.854
	19.00	958.4	894.2	122.08	1.6842	0.919
	20.00	990.3	926.1	122.11	1.6500	0.981
	21.00	1021.0	956.8	122.14	1.6190	1.043
	22.00	1050.1	985.9	122.17	1.5909	1.103
	23.00	1077.6	1013.4	122.20	1.5652	1.161
	24.00	1103.9	1039.7	122.24	1.5417	1.219
	25.00	1128.9	1064.7	122.26	1.5200	1.274
	26.00	1152.6	1088.4	122.29	1.5000	1.328
	27.00	1175.5	1111.3	122.32	1.4815	1.382
	28.00	1197.1	1132.9	122.34	1.4643	1.433
	29.00	1218.1	1153.9	122.38	1.4483	1.484
	30.00	1238.0	1173.8	122.40	1.4333	1.533
	31.00	1257.2	1193.0	122.44	1.4194	1.581
	32.00	1275.5	1211.3	122.45	1.4062	1.627
	33.00	1293.1	1228.9	122.45	1.3939	1.672
	34.00	1310.1	1245.9	122.50	1.3824	1.716
	35.00	1326.4	1262.2	122.53	1.3714	1.759

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: 8640 DST#1 Beeley #18-1 Conley P. Smith
DATE: 09/30/96 TIME: 15:26:42

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	36.00	1342.1	1277.9	122.54	1.3611	1.801
	37.00	1357.3	1293.1	122.58	1.3514	1.842
	38.00	1371.8	1307.6	122.59	1.3421	1.882
	39.00	1385.9	1321.7	122.62	1.3333	1.921
	40.00	1399.3	1335.1	122.53	1.3250	1.958
	41.00	1412.2	1348.0	122.66	1.3171	1.994
	42.00	1424.9	1360.7	122.67	1.3095	2.030
	43.00	1437.1	1372.9	122.70	1.3023	2.065
	44.00	1448.7	1384.5	122.73	1.2955	2.099
	45.00	1459.8	1395.7	122.74	1.2889	2.131
	46.00	1470.6	1406.4	122.77	1.2826	2.163
	47.00	1480.9	1416.7	122.80	1.2766	2.193
	48.00	1490.6	1426.4	122.81	1.2708	2.222
	49.00	1499.6	1435.4	122.83	1.2653	2.249
	50.00	1508.5	1444.3	122.85	1.2600	2.276
	51.00	1517.4	1453.2	122.85	1.2549	2.302
	52.00	1525.8	1461.6	122.89	1.2500	2.328
	53.00	1534.1	1469.9	122.91	1.2453	2.354
	54.00	1542.2	1478.0	122.93	1.2407	2.378
	55.00	1550.1	1485.9	122.95	1.2364	2.403
	56.00	1557.6	1493.4	122.97	1.2321	2.426
	57.00	1565.1	1500.9	122.99	1.2281	2.449
	58.00	1572.3	1508.1	123.00	1.2241	2.472
	59.00	1579.3	1515.1	123.02	1.2203	2.494
****** End Shut-in 1	60.00	1585.9	1521.7	123.04	1.2167	2.515
****** Start Flow 2	0.00	56.5	0.0	123.03		
	1.00	53.0	-3.4	123.02		
	2.00	67.6	11.1	123.01		
	3.00	68.2	11.8	123.02		
	4.00	71.3	14.8	123.03		
	5.00	77.6	21.2	123.05		
	6.00	79.0	22.6	123.08		
	7.00	78.4	21.9	123.11		
	8.00	77.0	20.5	123.14		
	9.00	78.4	21.9	123.18		
	10.00	80.4	24.0	123.24		
	11.00	83.0	26.6	123.29		
	12.00	82.7	26.3	123.35		
	13.00	83.2	26.8	123.42		
	14.00	84.1	27.6	123.51		
	15.00	85.2	28.8	123.59		
	16.00	84.5	28.1	123.66		
	17.00	85.9	29.5	123.74		
	18.00	85.5	29.1	123.82		
	19.00	85.7	29.2	123.89		
	20.00	85.6	29.1	123.96		
	21.00	87.7	31.2	124.02		
	22.00	87.8	31.3	124.07		
	23.00	86.9	30.4	124.13		
	24.00	88.5	32.0	124.18		
	25.00	89.7	33.2	124.23		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: 8640 DST#1 Beeley #18-1 Conley P. Smith
DATE: 09/30/96 TIME: 15:26:42

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	26.00	89.2	32.7	124.26		
	27.00	91.1	34.7	124.30		
	28.00	91.0	34.5	124.34		
	29.00	90.2	33.8	124.39		
	30.00	91.8	35.4	124.42		
	31.00	91.0	34.5	124.46		
	32.00	92.3	35.8	124.49		
	33.00	92.9	36.4	124.53		
	34.00	93.6	37.2	124.57		
	35.00	92.8	36.4	124.61		
	36.00	94.1	37.6	124.64		
	37.00	92.9	36.4	124.67		
	38.00	91.2	34.7	124.70		
	39.00	93.3	36.8	124.73		
	40.00	95.2	38.8	124.77		
	41.00	94.7	38.2	124.80		
	42.00	97.7	41.2	124.83		
	43.00	94.8	38.4	124.85		
	44.00	94.0	37.5	124.88		
	45.00	93.7	37.2	124.91		
	46.00	95.2	38.8	124.94		
	47.00	94.7	38.2	124.96		
	48.00	94.0	37.5	124.99		
	49.00	94.2	37.7	125.01		
	50.00	96.5	40.0	125.04		
	51.00	96.2	39.7	125.06		
	52.00	96.5	40.0	125.08		
	53.00	98.5	42.0	125.11		
	54.00	98.0	41.5	125.14		
	55.00	96.9	40.5	125.16		
	56.00	97.8	41.3	125.18		
	57.00	98.5	42.1	125.20		
	58.00	98.5	42.0	125.23		
	59.00	99.9	43.5	125.25		
****** End Flow 2	60.00	100.5	44.0	125.28		
****** Start Shutin 2	0.00	100.5	0.0	125.28	0.0000	0.010
	1.00	131.6	31.1	125.30	74.0000	0.017
	2.00	206.0	105.5	125.32	37.5000	0.042
	3.00	272.0	171.5	125.36	25.3333	0.074
	4.00	330.7	230.2	125.39	19.2500	0.109
	5.00	383.8	283.3	125.43	15.6000	0.147
	6.00	432.9	332.4	125.46	13.1667	0.187
	7.00	478.7	378.2	125.49	11.4286	0.229
	8.00	521.9	421.4	125.54	10.1250	0.272
	9.00	562.9	462.4	125.57	9.1111	0.317
	10.00	601.9	501.4	125.60	8.3000	0.362
	11.00	639.7	539.2	125.64	7.6364	0.409
	12.00	675.7	575.2	125.67	7.0833	0.457
	13.00	710.8	610.3	125.70	6.6154	0.505
	14.00	744.0	643.5	125.72	6.2143	0.553
	15.00	776.0	675.5	125.75	5.8667	0.602

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: 8640 DST#1 Beeley #18-1 Conley P. Smith
DATE: 09/30/96 TIME: 15:26:42

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
16.00	806.9	706.4	125.79	5.5625	0.651
17.00	836.6	736.1	125.80	5.2941	0.700
18.00	865.5	765.0	125.83	5.0556	0.749
19.00	892.2	791.7	125.85	4.8421	0.796
20.00	918.3	817.8	125.88	4.6500	0.843
21.00	944.5	844.0	125.89	4.4762	0.892
22.00	969.3	868.8	125.93	4.3182	0.940
23.00	993.0	892.5	125.96	4.1739	0.986
24.00	1016.0	915.5	125.98	4.0417	1.032
25.00	1036.9	936.4	125.99	3.9200	1.075
26.00	1058.6	958.1	126.02	3.8077	1.121
27.00	1079.0	978.5	126.03	3.7037	1.164
28.00	1098.7	998.2	126.05	3.6071	1.207
29.00	1117.8	1017.3	126.06	3.5172	1.249
30.00	1136.2	1035.7	126.08	3.4333	1.291
31.00	1154.2	1053.7	126.10	3.3548	1.332
32.00	1171.5	1071.0	126.11	3.2812	1.372
33.00	1188.1	1087.6	126.12	3.2121	1.412
34.00	1204.4	1103.9	126.14	3.1471	1.451
35.00	1220.0	1119.5	126.16	3.0857	1.488
36.00	1235.4	1134.9	126.17	3.0278	1.526
37.00	1250.2	1149.7	126.21	2.9730	1.563
38.00	1264.9	1164.4	126.21	2.9211	1.600
39.00	1278.7	1178.2	126.22	2.8718	1.635
40.00	1292.3	1191.8	126.24	2.8250	1.670
41.00	1305.5	1205.0	126.25	2.7805	1.704
42.00	1318.2	1217.7	126.25	2.7381	1.738
43.00	1330.6	1230.1	126.25	2.6977	1.771
44.00	1342.7	1242.1	126.29	2.6591	1.803
45.00	1354.5	1254.0	126.31	2.6222	1.835
46.00	1366.0	1265.5	126.31	2.5870	1.866
47.00	1377.2	1276.7	126.31	2.5532	1.897
48.00	1387.9	1287.4	126.33	2.5208	1.926
49.00	1398.4	1297.9	126.34	2.4898	1.956
50.00	1408.6	1308.1	126.35	2.4600	1.984
51.00	1418.5	1318.0	126.36	2.4314	2.012
52.00	1428.1	1327.6	126.38	2.4038	2.039
53.00	1437.5	1337.0	126.39	2.3774	2.066
54.00	1446.7	1346.2	126.41	2.3519	2.093
55.00	1455.5	1355.0	126.42	2.3273	2.118
56.00	1463.9	1363.4	126.44	2.3036	2.143
57.00	1472.4	1371.9	126.44	2.2807	2.168
58.00	1480.7	1380.2	126.45	2.2586	2.192
59.00	1488.5	1388.0	126.46	2.2373	2.216
60.00	1496.2	1395.7	126.49	2.2167	2.239
61.00	1503.7	1403.2	126.48	2.1967	2.261
62.00	1511.0	1410.5	126.50	2.1774	2.283
63.00	1518.3	1417.8	126.51	2.1587	2.305
64.00	1525.2	1424.7	126.53	2.1406	2.326
65.00	1532.0	1431.5	126.52	2.1231	2.347
66.00	1538.7	1438.2	126.54	2.1061	2.368

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: 8640 DST#1 Beeley #18-1 Conley P. Smith
DATE: 09/30/96 TIME: 15:26:42

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
67.00	1545.1	1444.6	126.56	2.0896	2.387
68.00	1551.3	1450.8	126.57	2.0735	2.407
69.00	1557.6	1457.1	126.58	2.0580	2.426
70.00	1563.5	1463.0	126.57	2.0429	2.445
71.00	1569.6	1469.1	126.59	2.0282	2.464
72.00	1575.2	1474.7	126.61	2.0139	2.481
73.00	1580.7	1480.2	126.62	2.0000	2.499
74.00	1586.3	1485.8	126.63	1.9865	2.516
75.00	1591.5	1491.0	126.65	1.9733	2.533
76.00	1596.7	1496.2	126.66	1.9605	2.550
77.00	1601.8	1501.3	126.71	1.9481	2.566
78.00	1606.9	1506.4	126.67	1.9359	2.582
79.00	1611.7	1511.2	126.68	1.9241	2.598
80.00	1616.4	1515.9	126.71	1.9125	2.613
81.00	1620.9	1520.4	126.69	1.9012	2.627
82.00	1625.5	1525.0	126.71	1.8902	2.642
83.00	1629.8	1529.3	126.71	1.8795	2.656
84.00	1634.2	1533.7	126.74	1.8690	2.671
85.00	1638.5	1538.0	126.75	1.8588	2.685
86.00	1642.8	1542.3	126.75	1.8488	2.699
87.00	1646.8	1546.3	126.76	1.8391	2.712
88.00	1650.7	1550.2	126.78	1.8295	2.725
89.00	1654.5	1554.0	126.78	1.8202	2.737
90.00	1658.4	1557.9	126.79	1.8111	2.750
91.00	1662.1	1561.6	126.81	1.8022	2.763
92.00	1665.8	1565.3	126.82	1.7935	2.775
93.00	1669.3	1568.8	126.83	1.7849	2.787
94.00	1672.6	1572.1	126.85	1.7766	2.798
95.00	1676.1	1575.6	126.85	1.7684	2.809
96.00	1679.3	1578.8	126.85	1.7604	2.820
97.00	1682.5	1582.0	126.87	1.7526	2.831
98.00	1685.6	1585.1	126.88	1.7449	2.841
99.00	1688.6	1588.1	126.90	1.7374	2.851
100.00	1691.7	1591.2	126.90	1.7300	2.862
101.00	1694.6	1594.1	126.91	1.7228	2.872
102.00	1697.5	1597.0	126.92	1.7157	2.881
103.00	1700.3	1599.8	126.93	1.7087	2.891
104.00	1703.1	1602.6	126.93	1.7019	2.900
105.00	1705.9	1605.4	126.94	1.6952	2.910
106.00	1708.4	1607.9	126.97	1.6887	2.919
107.00	1711.0	1610.5	126.99	1.6822	2.928
108.00	1713.6	1613.1	126.99	1.6759	2.936
109.00	1716.2	1615.7	127.00	1.6697	2.945
110.00	1718.6	1618.1	126.99	1.6636	2.954
111.00	1721.1	1620.6	127.01	1.6577	2.962
112.00	1723.3	1622.8	127.03	1.6518	2.970
113.00	1725.7	1625.2	127.04	1.6460	2.978
114.00	1727.9	1627.4	127.06	1.6404	2.986
115.00	1730.0	1629.5	127.06	1.6348	2.993
116.00	1732.3	1631.8	127.07	1.6293	3.001
117.00	1734.5	1634.0	127.08	1.6239	3.008

INE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
DST#1 Beeley #18-1 Conley P. Smith
/96 TIME: 15:26:42

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	118.00	1736.5	1636.0	127.10	1.6186	3.015
Shut-in 2	119.00	1738.6	1638.1	127.11	1.6134	3.023
Hydro.	403.00	2634.4	0.0	127.72		