

ORIGINAL

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

API NO. 15- 155-213640000

County Reno

C - NE - NE - SW Sec. 20 Twp. 23~~30~~ Rge. 7 X <sup>E</sup> W

2050 Feet from S (circle one) Line of Section

2310 Feet from E (circle one) Line of Section

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

Operator: License # 31229

Name: DLB Oil & Gas, Inc

Address 1601 NW Expressway

Suite 700

City/State/Zip OKC, Oklahoma 73118-1401

Purchaser: \_\_\_\_\_

Operator Contact Person: Stephen Adams

Phone (405) 848-8808

Contractor: Name: White & Ellis Drilling Inc

License: \_\_\_\_\_

Wellsite Geologist: Joe Baker

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  S10W  Temp. Abd.

Gas  ENHR  SIGW

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

If Workover:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD

Plug Back  PBTB

Commingled  Docket No. \_\_\_\_\_

Dual Completion  Docket No. \_\_\_\_\_

Other (SWD or Inj?)  Docket No. \_\_\_\_\_

10/25/95 11/02/95 12/05/95  
Spud Date Date Reached TD Completion Date

Lease Name Deborah Well # 20-11

Field Name Wildcat

Producing Formation Mississippi

Elevation: Ground 1597' KB 1609'

Total Depth 4220' PBTB \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 277' Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan ALT 1 JK 10-16-96  
(Data must be collected from the Reserve Pit)

Chloride content 3100 ppm Fluid volume 8800 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name N/A

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W \_\_\_\_\_

County \_\_\_\_\_ 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 [Signature]

Title Vice President, Operations Date 7/24/96

Subscribed and sworn to before me this 24th day of July, 19 96.

Notary Public Robin Merton

Date Commission Expires 6/3/97

RECEIVED  
KANSAS CORPORATION COMMISSION

K.C.C. OFFICE USE ONLY					
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached			
C	<input checked="" type="checkbox"/>	Wireline Log Received			
C	<input type="checkbox"/>	Geologist Report Received			
Distribution					
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/>	SWD/Rep	<input type="checkbox"/>	NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/>	Plug	<input type="checkbox"/>	Other
(Specify)					

DENIED  
JK  
10-16-96

JUL 25 1996

Form ACD-1 (7-91)

Operator Name DEB Oil & Gas, Inc Lease Name Deborah Well # 20-11

Sec. 20 Twp. 235 Rge. 7  East  West  
 County Reno

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.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name:	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Miss/Chat	3624'	3639'
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Kansas City	3424'	3430'

List All E.Logs Run: **BOTTOMHOLE COMPENSATED SONIC  
 COMPENSATED NEUTRON  
 MICRO  
 CYBERLOOK  
 DUAL INDUCTION**

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
surface	12 1/2	8 5/8	24#	277'	60/40	215	2% gel 4% CC
production	7 7/8	5 1/2	15.5#	4198'	standard	200	18% salt 5% cal seal

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	3624' - 3639'	2500 gallons of 15% HCl	3624' - 3639'
4	3424' - 3430'	1000 gallons of 15% HCl	3424' - 3430'
	CIBP @ 3530'		

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8		3550'		
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	Bbls.	Gas	Mcf	Water	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) \_\_\_\_\_

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : DLB OIL AND GAS INC.

DATE 10-31-95

WELL NAME: DEBORAH #20-11

KB 1607.00 ft

TICKET NO: 8569

DST #1

LOCATION : 20-23S-7W, RENO CTY KS

GR 1597.00 ft

FORMATION: MISSISSIPPI

INTERVAL : 3562.00 To 3645.00 ft

TD 3645.00 ft

TEST TYPE: CONVENTIONAL

15-155-21364

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 3 Rec.	13788	13788	2346			PF Fr. 0656 to 0659 hr
SI 0 Range(Psi)	4650.0	4650.0	4995.0	0.0	0.0	IS Fr. to hr
SF 0 Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. to hr
FS 0 Depth(ft)	3630.0	3630.0	3570.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	1687.0	1696.0	1690.0	0.0	0.0	T STARTED 0414 hr
B. First Flow	291.0	307.0	288.0	0.0	0.0	T ON BOTM 0607 hr
B1. Final Flow	291.0	314.0	293.0	0.0	0.0	T OPEN 0656 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 0730 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 1000 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	
G. Final Hydro	1645.0	1661.0	1649.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----

Tool Wt.	2100.00 lbs
Wt Set On Packer	22000.00 lbs
Wt Pulled Loose	70000.00 lbs
Initial Str Wt	49000.00 lbs
Unseated Str Wt	52000.00 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	0.00 ft
D.P. Length	3553.00 ft

RECOVERY

Tot Fluid 550.00 ft of 0.00 ft in DC and 550.00 ft in DP  
550.00 ft of Drilling mud

8.00 ft of PAY (est)

SALINITY 8000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	CHEMICAL
Weight	8.90 lb/c
Vis.	49.00 S/L
W.L.	12.80 in3
F.C.	0.20 in
Mud Drop	

Amt. of fill	15.00 ft
Btm. H. Temp.	104.00 F
Hole Condition	FAIR
% Porosity	12.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	NONE
Reversed Out N	
Tool Chased Y	12.00 ft
Tester	GARY PEVOTEAUX
Co. Rep.	JOE BAKER/DAVIS
Contr.	WHITE & ELLIS
Rig #	8
Unit #	
Pump T.	

BLOW DESCRIPTION

Initial Blow -

Strong blow, 15' fill on bottom, slid tool 10'-12', packers failing while sliding. Re-set tool with weak blow for approx 3 min, aborted test.

Final Blow -

None

RECEIVED  
KANSAS CORPORATION COMMISSION

AUG 12 1996

SAMPLES:

SENT TO:

CONSERVATION DIVISION  
WICHITA, KS

Test Successful: N

# TEST HISTORY

8569 DST#1 DEBORAH#20-11 DLB OIL AND GAS INC.

Flag Points  
t(Min.) P( PSig)

A	0.00	1690.13
B	0.00	269.20
C	3.00	292.98
Q	0.00	1640.64

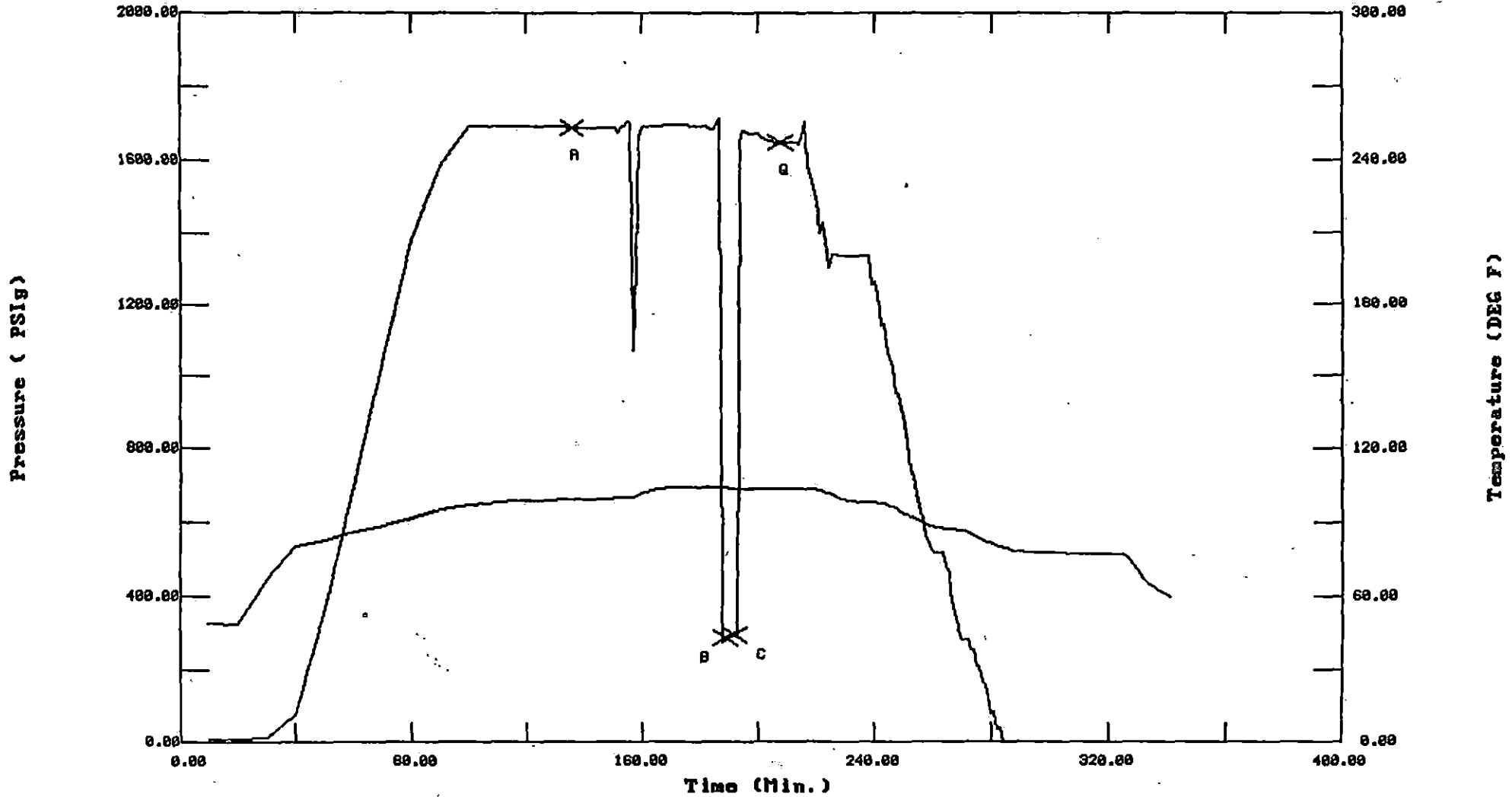
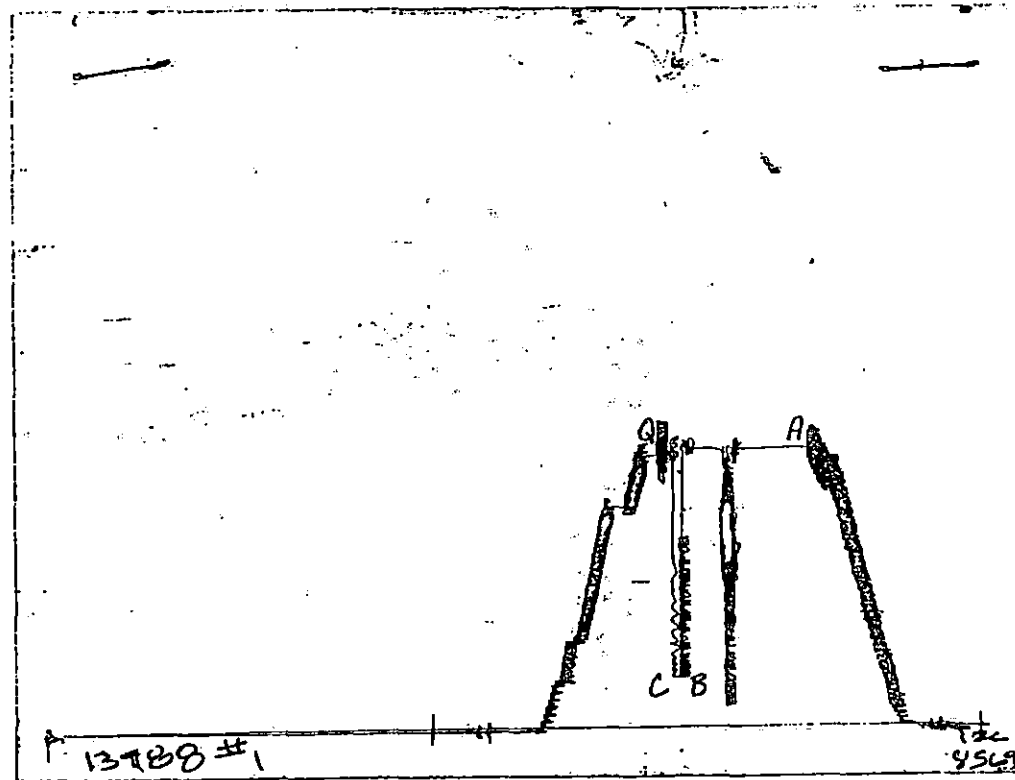


CHART PAGE



This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8569 DST#1 DEBORAH#20-11 DLB OIL AND GAS INC.

DATE: 10/31/95

TIME: 04:14:39

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	136.00	1690.1	0.0	99.34		
***** Start Flow 1	0.00	288.2	0.0	104.01		
	1.00	290.0	1.8	103.97		
	2.00	290.6	2.4	103.91		
***** End Flow 1	3.00	293.0	4.8	103.86		
***** Start Shutin 1	0.00	293.0	0.0	103.86	0.0000	0.086
	1.00	292.3	-0.7	103.81	4.0000	0.085
	2.00	1651.9	1358.9	103.79	2.5000	2.729
	3.00	1681.1	1388.1	103.81	2.0000	2.826
	4.00	1675.0	1382.0	103.86	1.7500	2.806
	5.00	1672.9	1379.9	103.90	1.6000	2.799
	6.00	1671.9	1378.9	103.94	1.5000	2.795
	7.00	1671.3	1378.3	103.96	1.4286	2.793
	8.00	1670.8	1377.8	103.97	1.3750	2.792
	9.00	1670.1	1377.1	103.93	1.3333	2.789
	10.00	1661.8	1368.8	103.99	1.3000	2.761
	11.00	1656.6	1363.7	103.98	1.2727	2.744
	12.00	1652.8	1359.8	103.98	1.2500	2.732
	13.00	1651.0	1358.0	103.96	1.2308	2.726
	14.00	1650.1	1357.1	103.95	1.2143	2.723
	15.00	1649.4	1356.4	103.94	1.2000	2.721
***** End Shut-in 1	16.00	1648.8	1355.9	103.93	1.1875	2.719
***** Final Hydro.	208.00	1648.8	0.0	103.93		

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: DEBORAH #20-11

LOCATION : 20-23S-7W

TICKET No. 8569 D.S.T. No. 1 DATE 10-31-95

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 20

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 21

TOTAL TOOL ..... 41

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands0 Single 0 Total

D.P. ANCHOR STND.Stands 1 Single 0 Total 62

TOTAL ASSEMBLY ..... 103

D.C. ABOVE TOOLS.Stands0 Single 0 Total

D.P. ABOVE TOOLS.Stands57 Single 0 Total 3553

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3656

TOTAL DEPTH ..... 3645

TOTAL DRILL PIPE ABOVE K.B. .... 11

REMARKS:

P.O. SUB CIRC.SUB	3422
C.O. SUB @ TOP OF TOOL	3542
S.I. TOOL	3548
HMV	3553
JARS n/a	
SAFETY JOINT n/a	
PACKER TOP	3557
PACKER BTM.	3562
DEPTH 3562	
STUBB 1 FT.	3563
ANCHOR	
4 FT. PERFS	3567
ALPINE REC	3570
T.C.	
DEPTH	
1 STD PIPE	3629
AK-1 RECORDER	3630
11 FT PERFS	3640
BULLNOSE 5 FT PERF	
T.D.	3645

TRILOBITE TESTING L.L.C.

OPERATOR : DLB OIL AND GAS INC.

DATE 10-31-95

WELL NAME: DEBORAH #20-11

KB 1607.00 ft

TICKET NO: 8570

DST #2

LOCATION : 20-23S-7W, Reno Cty KS

GR 1597.00 ft

FORMATION: MISSISSIPPI

INTERVAL : 3562.00 To 3645.00 ft

TD 3645.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	13788	13788	2346			PF Fr. 1657 to 1742 hr
SI 60 Range(Psi )	4650.0	4650.0	4995.0	0.0	0.0	IS Fr. 1742 to 1842 hr
SF 60 Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 1842 to 1942 hr
FS 120 Depth(ft )	3630.0	3630.0	3570.0	0.0	0.0	FS Fr. 1942 to 2142 hr

	Field	1	2	3	4	
A. Init Hydro	1684.0	1650.0	1684.0	0.0	0.0	T STARTED 1519 hr
B. First Flow	86.0	84.0	50.0	0.0	0.0	T ON BOTM 1654 hr
B1. Final Flow	113.0	106.0	87.0	0.0	0.0	T OPEN 1657 hr
C. In Shut-in	797.0	782.0	778.0	0.0	0.0	T PULLED 2142 hr
D. Init Flow	116.0	116.0	97.0	0.0	0.0	T OUT 0020 hr
E. Final Flow	140.0	145.0	144.0	0.0	0.0	
F. Fl Shut-in	753.0	767.0	767.0	0.0	0.0	
G. Final Hydro	1643.0	1636.0	1642.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----

Tool Wt.	2100.00 lbs
Wt Set On Packer	25000.00 lbs
Wt Pulled Loose	63000.00 lbs
Initial Str Wt	48000.00 lbs
Unseated Str Wt	50000.00 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	0.00 ft
D.P. Length	3553.00 ft

RECOVERY

Tot Fluid 235.00 ft of 0.00 ft in DC and 235.00 ft in DP  
 170.00 ft of Drilling mud w/ a few oil specks  
 65.00 ft of Slightly oil cut mud - 2% oil, 98% mud

10.00 ft of Pay (est)

RW 1.02 @ 57 F

SALINITY 9000.00 P.P.M. A.P.I. Gravity 36.00

BLOW DESCRIPTION

Initial Blow -  
 Fair to strong blow, bottom of bucket  
 in 9.5 min

Final Blow -  
 Fair to strong blow, bottom of bucket  
 in 21 min

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	CHEMICAL
Weight	8.90 lb/
Vis.	57.00 S/L
W.L.	8.80 in3
F.C.	0.20 in
Mud Drop	
Amt. of fill	2.00 ft
Btm. H. Temp.	107.00 F
Hole Condition	FAIR
% Porosity	30.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	NONE
Reversed Out N	
Tool Chased Y	1.00 ft
Tester	GARY PEVOTEAUX
Co. Rep.	JOE BAKER/DAVIS
Contr.	WHITE & ELLIS
Rig #	8
Unit #	
Pump T.	

Test Successful: Y



Operator.....: DLB Oil & Gas Inc  
Well Name.....: Deborah #20-11  
DST Number.....: 2

Location.: 20-23S-7W                      Recorder No...: 2346  
Test Type: Conventional                   Recorder Depth: 3570  
Formation: Mississippi                   Test Interval.: 3562-3645

RESERVOIR CALCULATIONS: Fluid calculations based on shut-in #2

RESERVOIR PARAMETERS USED:

Net Pay.....: 10.00 ft  
Porosity.....: 30.00 %  
Bottom Hole Temp.....: 107.00 F  
Specific Gravity.....: 0.845  
API Gravity.....: 36.00  
Compressibility.....: 0.000000 /psi  
Viscosity.....: 10.7000 cp  
Total Recovery.....: 235.00 ft  
Total Flowing Time.....: 105.00 min.  
Flow Rate.....: 0.25 bbls/d  
Final Flowing Pressure.....: 144.00 psi  
Horner Slope.....: 461.0490 psi/cycle  
Extrapolated Pressure.....: 889.35 psi  
Formation Volume Factor.....: 1.03 Reservoir/Surface  
Well Bore Radius.....: 3.94 in

RESULTS:

Effective Permeability.....: 0.097171 md  
Flow Capacity.....: 0.9717 md.ft  
Transmissibility.....: 0.0908 md.ft/cp  
Skin Factor.....: -1.6885  
Radius of Investigation.....: 21.10725 ft  
Damage Ratio.....: 0.5243  
Productivity Index.....: 0.0003 bbls/psi.d  
Productivity Index W/O Damage.: 0.0002 bbls/psi.d

# CALCULATED RECOVERY ANALYSIS - DRILL PIPE

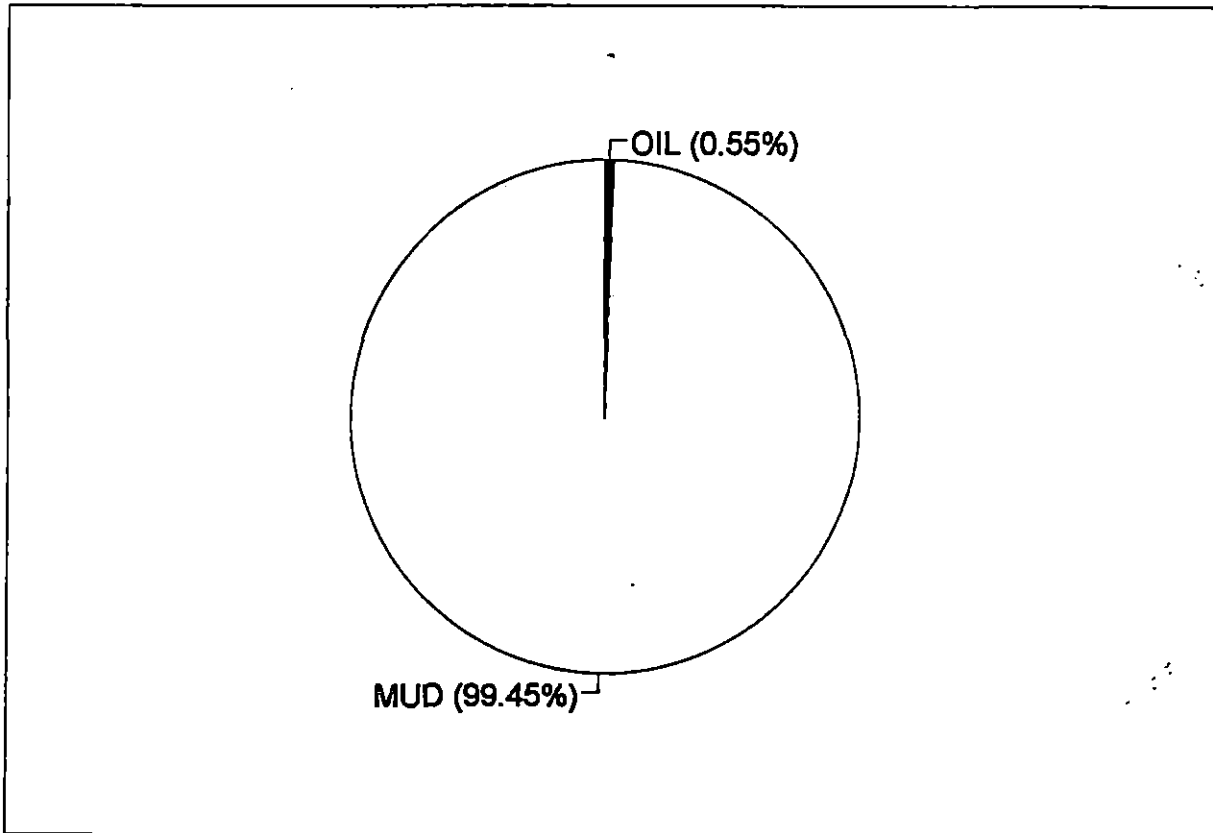
DST # 2

TICKET # 8570

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	170		0		0		0	100	170
2	65		0	2	1.3		0	98	63.7
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
<b>TOTAL</b>	<b>235</b>	<b>0.00</b>	<b>0</b>	<b>0.55</b>	<b>1.3</b>	<b>0</b>	<b>0</b>	<b>99.45</b>	<b>233.7</b>

### HRS OPE BBL/DAY

BBL OIL=	0.018486	*	1.75	0.25
BBL WATER=	0	*		0.00
BBL MUD=	3.323214			
BBL GAS	0			



# TEST HISTORY

8578 DST#2 DEBORAH#20-11 DLB OIL AND GAS INC.

Flag Points

(Min.) PK PSIG)

A:	0.00	1683.75
B:	0.00	58.18
C:	44.00	88.52
D:	62.00	778.17
E:	8.00	98.84
F:	58.00	144.35
G:	121.00	767.81
Q:	0.00	1642.48

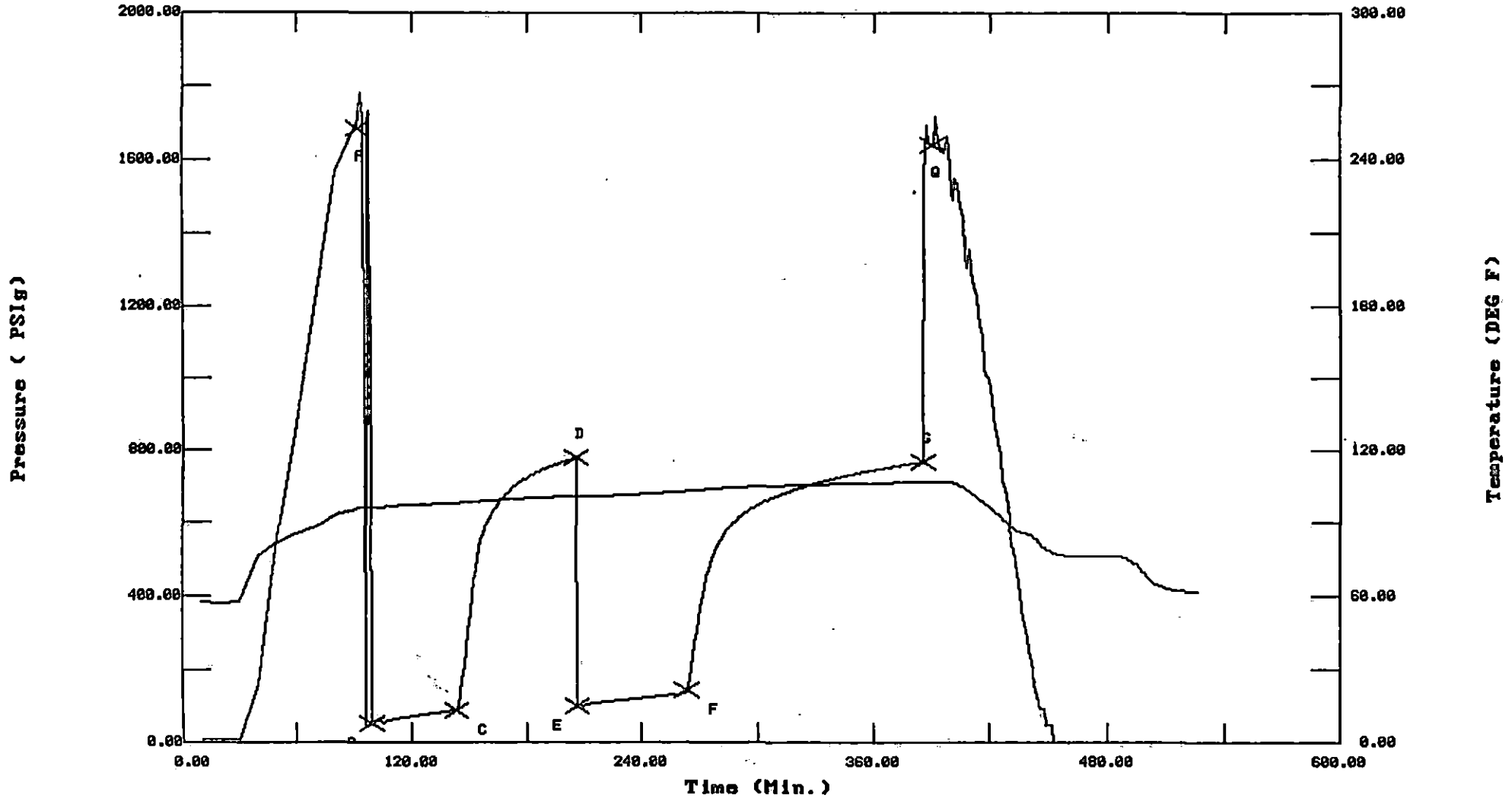
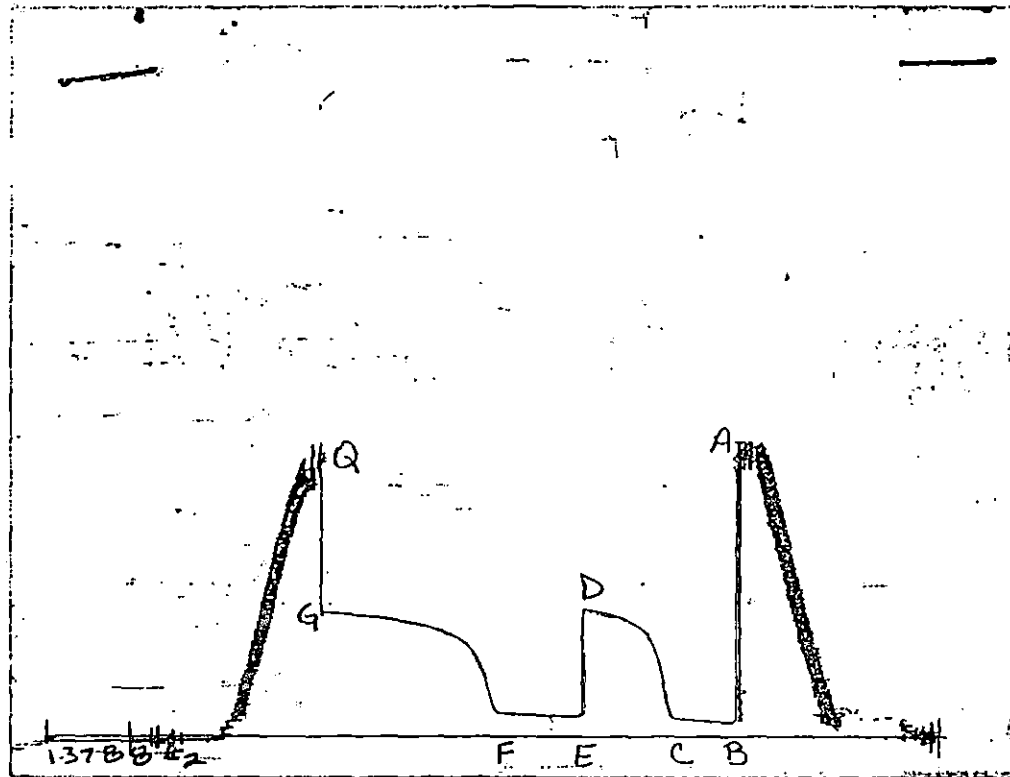


CHART PAGE



This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8570 DST#2 DEBORAH#20-11 DLB OIL AND GAS INC.

DATE: 10/31/95 TIME: 15:19:26

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	92.00	1683.8	0.0	95.60		
***** Start Flow 1	0.00	50.1	0.0	95.91		
	1.00	53.8	3.7	95.86		
	2.00	56.6	6.5	95.82		
	3.00	58.0	7.9	95.84		
	4.00	59.7	9.6	95.91		
	5.00	58.4	8.3	96.01		
	6.00	50.9	0.8	96.14		
	7.00	52.5	2.4	96.27		
	8.00	56.7	6.6	96.39		
	9.00	58.7	8.6	96.50		
	10.00	60.0	9.9	96.59		
	11.00	61.1	11.0	96.66		
	12.00	62.0	11.9	96.72		
	13.00	63.2	13.1	96.77		
	14.00	64.0	13.9	96.81		
	15.00	64.9	14.8	96.85		
	16.00	65.7	15.6	96.89		
	17.00	66.5	16.4	96.93		
	18.00	67.4	17.3	96.95		
	19.00	68.1	18.0	96.99		
	20.00	69.0	18.9	97.02		
	21.00	69.7	19.6	97.05		
	22.00	70.4	20.3	97.08		
	23.00	71.2	21.1	97.11		
	24.00	71.7	21.7	97.14		
	25.00	72.6	22.5	97.18		
	26.00	73.2	23.1	97.20		
	27.00	73.9	23.8	97.23		
	28.00	75.0	24.9	97.25		
	29.00	75.9	25.8	97.28		
	30.00	76.7	26.6	97.32		
	31.00	77.4	27.3	97.35		
	32.00	78.2	28.1	97.40		
	33.00	79.1	29.0	97.44		
	34.00	79.5	29.4	97.48		
	35.00	80.4	30.3	97.51		
	36.00	81.3	31.2	97.55		
	37.00	81.9	31.8	97.59		
	38.00	82.7	32.6	97.63		
	39.00	83.3	33.2	97.68		
	40.00	84.2	34.1	97.70		
	41.00	84.8	34.7	97.79		
	42.00	85.2	35.1	97.84		
	43.00	85.8	35.8	97.87		
***** End Flow 1	44.00	86.5	36.4	97.92		
***** Start Shutin 1	0.00	86.5	0.0	97.92	0.0000	0.007
	1.00	103.6	17.1	97.96	45.0000	0.011
	2.00	134.4	47.9	98.01	23.0000	0.018
	3.00	170.2	83.7	98.06	15.6667	0.029
	4.00	211.6	125.1	98.11	12.0000	0.045

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8570 DST#2 DEBORAH#20-11 DLB OIL AND GAS INC.

DATE: 10/31/95

TIME: 15:19:26

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
5.00	257.9	171.4	98.18	9.8000	0.067
6.00	307.1	220.6	98.23	8.3333	0.094
7.00	355.8	269.3	98.29	7.2857	0.127
8.00	401.3	314.8	98.35	6.5000	0.161
9.00	441.7	355.2	98.40	5.8889	0.195
10.00	476.4	389.8	98.45	5.4000	0.227
11.00	505.8	419.3	98.52	5.0000	0.256
12.00	530.8	444.2	98.58	4.6667	0.282
13.00	551.9	465.4	98.64	4.3846	0.305
14.00	570.1	483.6	98.70	4.1429	0.325
15.00	585.8	499.3	98.76	3.9333	0.343
16.00	599.5	513.0	98.82	3.7500	0.359
17.00	611.6	525.1	98.86	3.5882	0.374
18.00	622.4	535.9	98.92	3.4444	0.387
19.00	632.1	545.5	98.98	3.3158	0.399
20.00	640.8	554.3	99.03	3.2000	0.411
21.00	648.8	562.2	99.11	3.0952	0.421
22.00	656.1	569.5	99.15	3.0000	0.430
23.00	662.8	576.2	99.20	2.9130	0.439
24.00	668.9	582.4	99.26	2.8333	0.447
25.00	674.7	588.2	99.31	2.7600	0.455
26.00	680.2	593.7	99.36	2.6923	0.463
27.00	685.3	598.7	99.40	2.6296	0.470
28.00	690.1	603.6	99.45	2.5714	0.476
29.00	694.7	608.1	99.50	2.5172	0.483
30.00	698.9	612.3	99.54	2.4667	0.488
31.00	703.0	616.4	99.60	2.4194	0.494
32.00	706.9	620.4	99.64	2.3750	0.500
33.00	710.6	624.1	99.68	2.3333	0.505
34.00	714.1	627.6	99.72	2.2941	0.510
35.00	717.7	631.1	99.78	2.2571	0.515
36.00	720.8	634.3	99.81	2.2222	0.520
37.00	724.0	637.4	99.86	2.1892	0.524
38.00	727.1	640.5	99.91	2.1579	0.529
39.00	730.0	643.5	99.96	2.1282	0.533
40.00	732.8	646.2	100.00	2.1000	0.537
41.00	735.5	649.0	100.03	2.0732	0.541
42.00	738.1	651.6	100.08	2.0476	0.545
43.00	740.7	654.1	100.11	2.0233	0.549
44.00	743.2	656.7	100.15	2.0000	0.552
45.00	745.5	659.0	100.20	1.9778	0.556
46.00	748.0	661.4	100.24	1.9565	0.559
47.00	750.1	663.6	100.28	1.9362	0.563
48.00	752.4	665.9	100.32	1.9167	0.566
49.00	754.6	668.1	100.35	1.8980	0.569
50.00	756.7	670.2	100.36	1.8800	0.573
51.00	758.7	672.2	100.43	1.8627	0.576
52.00	760.7	674.2	100.47	1.8462	0.579
53.00	762.6	676.1	100.51	1.8302	0.582
54.00	764.5	678.0	100.54	1.8148	0.584
55.00	766.4	679.9	100.58	1.8000	0.587

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8570 DST#2 DEBORAH#20-11 DLB OIL AND GAS INC.

DATE: 10/31/95

TIME: 15:19:26

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	56.00	768.3	681.7	100.61	1.7857	0.590
	57.00	770.0	683.5	100.67	1.7719	0.593
	58.00	771.8	685.3	100.70	1.7586	0.596
	59.00	773.4	686.9	100.75	1.7458	0.598
	60.00	775.1	688.5	100.79	1.7333	0.601
	61.00	776.7	690.1	100.79	1.7213	0.603
***** End Shut-in 1	62.00	778.2	691.6	100.79	1.7097	0.606
***** Start Flow 2	0.00	96.8	0.0	100.80		
	1.00	95.4	-1.4	100.80		
	2.00	96.9	0.1	100.80		
	3.00	98.8	1.9	100.79		
	4.00	100.0	3.2	100.79		
	5.00	101.0	4.2	100.79		
	6.00	102.4	5.5	100.79		
	7.00	103.5	6.6	100.79		
	8.00	104.8	8.0	100.79		
	9.00	105.8	9.0	100.79		
	10.00	106.7	9.8	100.79		
	11.00	107.4	10.6	100.80		
	12.00	107.9	11.1	100.81		
	13.00	108.3	11.5	100.83		
	14.00	109.0	12.2	100.82		
	15.00	109.8	12.9	100.83		
	16.00	110.5	13.7	100.85		
	17.00	111.0	14.2	100.87		
	18.00	111.6	14.8	100.95		
	19.00	110.9	14.1	100.99		
	20.00	112.1	15.3	101.06		
	21.00	112.6	15.8	101.13		
	22.00	113.5	16.6	101.18		
	23.00	114.0	17.1	101.21		
	24.00	114.6	17.7	101.27		
	25.00	115.2	18.4	101.33		
	26.00	115.5	18.6	101.35		
	27.00	116.1	19.2	101.37		
	28.00	116.7	19.8	101.38		
	29.00	117.4	20.6	101.43		
	30.00	117.8	21.0	101.47		
	31.00	118.4	21.6	101.52		
	32.00	118.9	22.1	101.56		
	33.00	119.6	22.7	101.59		
	34.00	120.2	23.3	101.64		
	35.00	121.0	24.2	101.69		
	36.00	121.6	24.8	101.73		
	37.00	122.4	25.5	101.80		
	38.00	122.9	26.0	101.81		
	39.00	123.4	26.5	101.83		
	40.00	123.8	26.9	101.90		
	41.00	124.4	27.5	101.95		
	42.00	125.0	28.1	102.00		
	43.00	125.6	28.8	102.05		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8570 DST#2 DEBORAH#20-11 DLB OIL AND GAS INC.

DATE: 10/31/95

TIME: 15:19:26

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	44.00	126.1	29.3	102.10		
	45.00	126.6	29.8	102.15		
	46.00	127.1	30.3	102.21		
	47.00	127.8	31.0	102.27		
	48.00	128.2	31.4	102.32		
	49.00	129.0	32.1	102.37		
	50.00	129.5	32.6	102.43		
	51.00	130.1	33.2	102.49		
	52.00	130.6	33.7	102.55		
	53.00	131.2	34.3	102.60		
	54.00	131.6	34.7	102.66		
	55.00	132.3	35.4	102.71		
	56.00	132.6	35.8	102.77		
	57.00	133.0	36.2	102.83		
***** End Flow 2	58.00	144.3	47.5	102.89		
***** Start Shutin 2	0.00	144.3	0.0	102.89	0.0000	0.021
	1.00	173.6	29.3	102.94	103.0000	0.030
	2.00	204.4	60.1	103.01	52.0000	0.042
	3.00	237.3	92.9	103.07	35.0000	0.056
	4.00	271.4	127.1	103.16	26.5000	0.074
	5.00	306.0	161.6	103.17	21.4000	0.094
	6.00	339.8	195.5	103.24	18.0000	0.115
	7.00	371.5	227.2	103.32	15.5714	0.138
	8.00	400.7	256.4	103.38	13.7500	0.161
	9.00	426.9	282.6	103.45	12.3333	0.182
	10.00	450.0	305.7	103.51	11.2000	0.203
	11.00	470.3	326.0	103.57	10.2727	0.221
	12.00	488.1	343.8	103.63	9.5000	0.238
	13.00	503.9	359.5	103.70	8.8462	0.254
	14.00	517.7	373.3	103.76	8.2857	0.268
	15.00	529.9	385.6	103.81	7.8000	0.281
	16.00	540.9	396.6	103.88	7.3750	0.293
	17.00	550.7	406.4	103.94	7.0000	0.303
	18.00	559.6	415.3	104.00	6.6667	0.313
	19.00	567.8	423.4	104.06	6.3684	0.322
	20.00	575.2	430.9	104.11	6.1000	0.331
	21.00	582.0	437.7	104.17	5.8571	0.339
	22.00	588.4	444.1	104.23	5.6364	0.346
	23.00	594.2	449.9	104.27	5.4348	0.353
	24.00	599.7	455.4	104.32	5.2500	0.360
	25.00	604.9	460.5	104.36	5.0800	0.366
	26.00	609.6	465.3	104.38	4.9231	0.372
	27.00	614.2	469.8	104.43	4.7778	0.377
	28.00	618.5	474.2	104.48	4.6429	0.383
	29.00	622.7	478.3	104.53	4.5172	0.388
	30.00	626.5	482.2	104.57	4.4000	0.393
	31.00	630.3	485.9	104.62	4.2903	0.397
	32.00	633.8	489.5	104.64	4.1875	0.402
	33.00	637.3	492.9	104.71	4.0909	0.406
	34.00	640.4	496.1	104.74	4.0000	0.410
	35.00	643.5	499.2	104.77	3.9143	0.414



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8570 DST#2 DEBORAH#20-11 DLB OIL AND GAS INC.

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Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
36.00	646.6	502.2	104.81	3.8333	0.418
37.00	649.6	505.2	104.84	3.7568	0.422
38.00	652.4	508.0	104.90	3.6842	0.426
39.00	655.1	510.8	104.94	3.6154	0.429
40.00	657.8	513.5	105.00	3.5500	0.433
41.00	660.4	516.1	105.04	3.4878	0.436
42.00	662.9	518.5	105.06	3.4286	0.439
43.00	665.3	520.9	105.06	3.3721	0.443
44.00	667.6	523.3	105.06	3.3182	0.446
45.00	669.9	525.6	105.06	3.2667	0.449
46.00	672.2	527.8	105.06	3.2174	0.452
47.00	674.4	530.0	105.09	3.1702	0.455
48.00	676.5	532.2	105.13	3.1250	0.458
49.00	678.5	534.2	105.18	3.0816	0.460
50.00	680.6	536.2	105.21	3.0400	0.463
51.00	682.7	538.3	105.24	3.0000	0.466
52.00	684.6	540.2	105.27	2.9615	0.469
53.00	686.4	542.1	105.32	2.9245	0.471
54.00	688.3	543.9	105.33	2.8889	0.474
55.00	690.1	545.8	105.38	2.8545	0.476
56.00	691.9	547.5	105.38	2.8214	0.479
57.00	693.7	549.4	105.38	2.7895	0.481
58.00	695.5	551.2	105.44	2.7586	0.484
59.00	697.1	552.7	105.48	2.7288	0.486
60.00	698.9	554.5	105.54	2.7000	0.488
61.00	700.5	556.2	105.57	2.6721	0.491
62.00	702.1	557.8	105.58	2.6452	0.493
63.00	703.7	559.4	105.62	2.6190	0.495
64.00	705.2	560.9	105.64	2.5938	0.497
65.00	706.8	562.5	105.65	2.5692	0.500
66.00	708.3	564.0	105.67	2.5455	0.502
67.00	709.8	565.4	105.68	2.5224	0.504
68.00	711.3	566.9	105.72	2.5000	0.506
69.00	712.6	568.3	105.73	2.4783	0.508
70.00	714.1	569.8	105.75	2.4571	0.510
71.00	715.6	571.2	105.77	2.4366	0.512
72.00	716.9	572.6	105.79	2.4167	0.514
73.00	718.2	573.9	105.81	2.3973	0.516
74.00	719.7	575.3	105.83	2.3784	0.518
75.00	720.9	576.6	105.85	2.3600	0.520
76.00	722.2	577.8	105.87	2.3421	0.522
77.00	723.4	579.1	105.90	2.3247	0.523
78.00	724.7	580.4	105.91	2.3077	0.525
79.00	726.0	581.6	105.94	2.2911	0.527
80.00	727.2	582.9	105.94	2.2750	0.529
81.00	728.5	584.1	105.98	2.2593	0.531
82.00	729.7	585.3	106.00	2.2439	0.532
83.00	730.8	586.4	106.03	2.2289	0.534
84.00	732.0	587.7	106.03	2.2143	0.536
85.00	733.1	588.8	106.05	2.2000	0.537
86.00	734.3	589.9	106.07	2.1860	0.539

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8570 DST#2 DEBORAH#20-11 DLB OIL AND GAS INC.

DATE: 10/31/95

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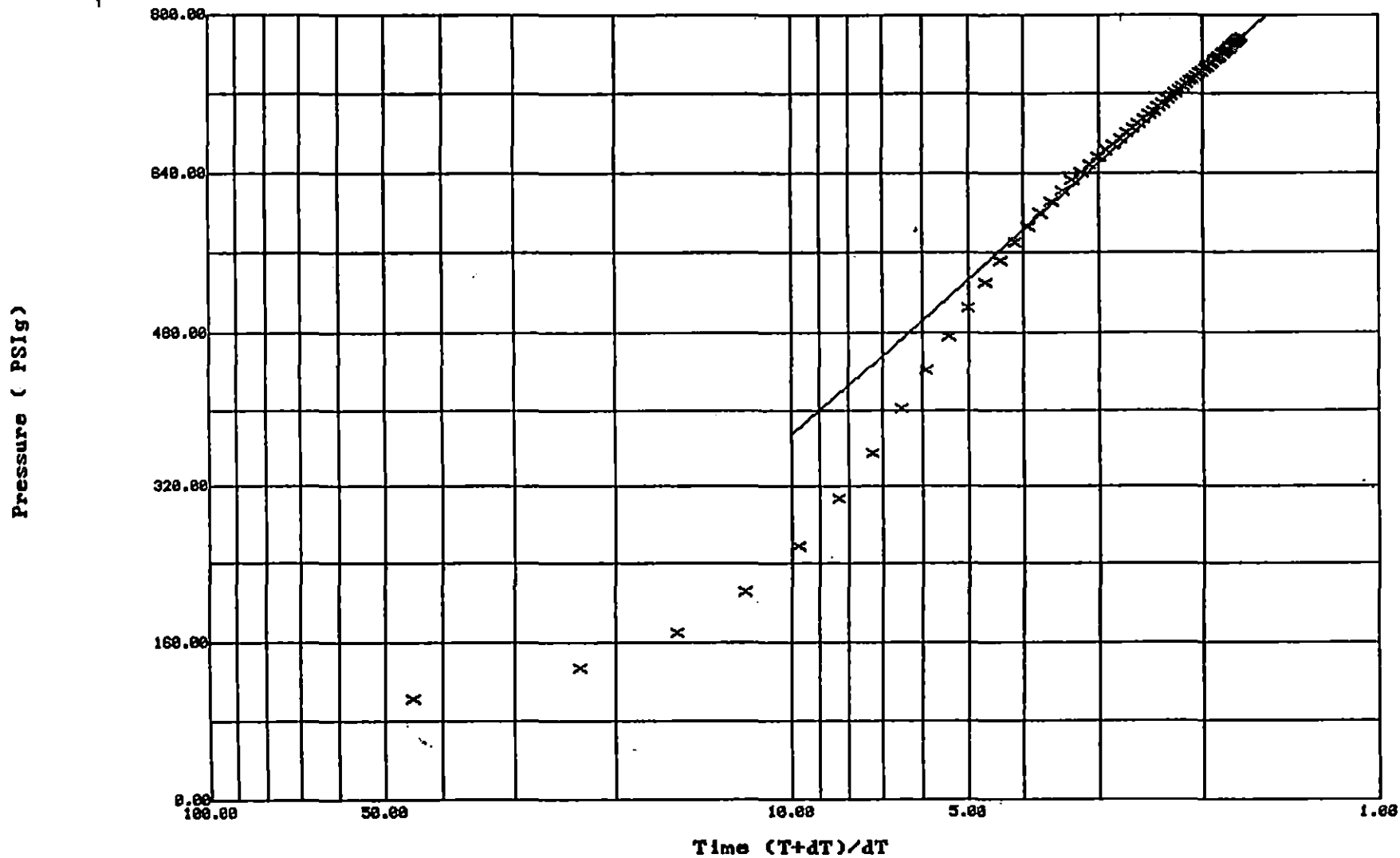
Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
87.00	735.5	591.1	106.10	2.1724	0.541
88.00	736.5	592.2	106.11	2.1591	0.542
89.00	737.6	593.3	106.13	2.1461	0.544
90.00	738.6	594.3	106.14	2.1333	0.546
91.00	739.6	595.3	106.15	2.1209	0.547
92.00	740.7	596.4	106.18	2.1087	0.549
93.00	741.8	597.5	106.20	2.0968	0.550
94.00	742.8	598.5	106.20	2.0851	0.552
95.00	743.9	599.6	106.23	2.0737	0.553
96.00	744.9	600.6	106.24	2.0625	0.555
97.00	745.9	601.6	106.26	2.0515	0.556
98.00	746.9	602.5	106.28	2.0408	0.558
99.00	747.9	603.5	106.30	2.0303	0.559
100.00	748.9	604.5	106.32	2.0200	0.561
101.00	749.8	605.5	106.34	2.0099	0.562
102.00	750.7	606.4	106.34	2.0000	0.564
103.00	751.6	607.3	106.36	1.9903	0.565
104.00	752.6	608.2	106.39	1.9808	0.566
105.00	753.5	609.1	106.39	1.9714	0.568
106.00	754.4	610.1	106.42	1.9623	0.569
107.00	755.3	611.0	106.44	1.9533	0.571
108.00	756.3	611.9	106.45	1.9444	0.572
109.00	757.1	612.8	106.47	1.9358	0.573
110.00	757.9	613.6	106.48	1.9273	0.574
111.00	758.9	614.5	106.49	1.9189	0.576
112.00	759.7	615.4	106.51	1.9107	0.577
113.00	760.5	616.2	106.52	1.9027	0.578
114.00	761.5	617.1	106.54	1.8947	0.580
115.00	762.2	617.9	106.55	1.8870	0.581
116.00	763.0	618.6	106.59	1.8793	0.582
117.00	763.7	619.4	106.61	1.8718	0.583
118.00	764.6	620.2	106.62	1.8644	0.585
119.00	765.4	621.1	106.65	1.8571	0.586
120.00	766.2	621.8	106.66	1.8500	0.587
***** End Shut-in 2	121.00	767.0	622.7	1.8430	0.588
***** Final Hydro.	390.00	1642.5	0.0	106.86	

# Horner Plot: shut-in #1

8570 DST#2 DEBORAH#20-11 DLB OIL AND GAS INC.

Slope: 526.5388 PSig/cycle

Ext. Pressure: 900.8354 PSig

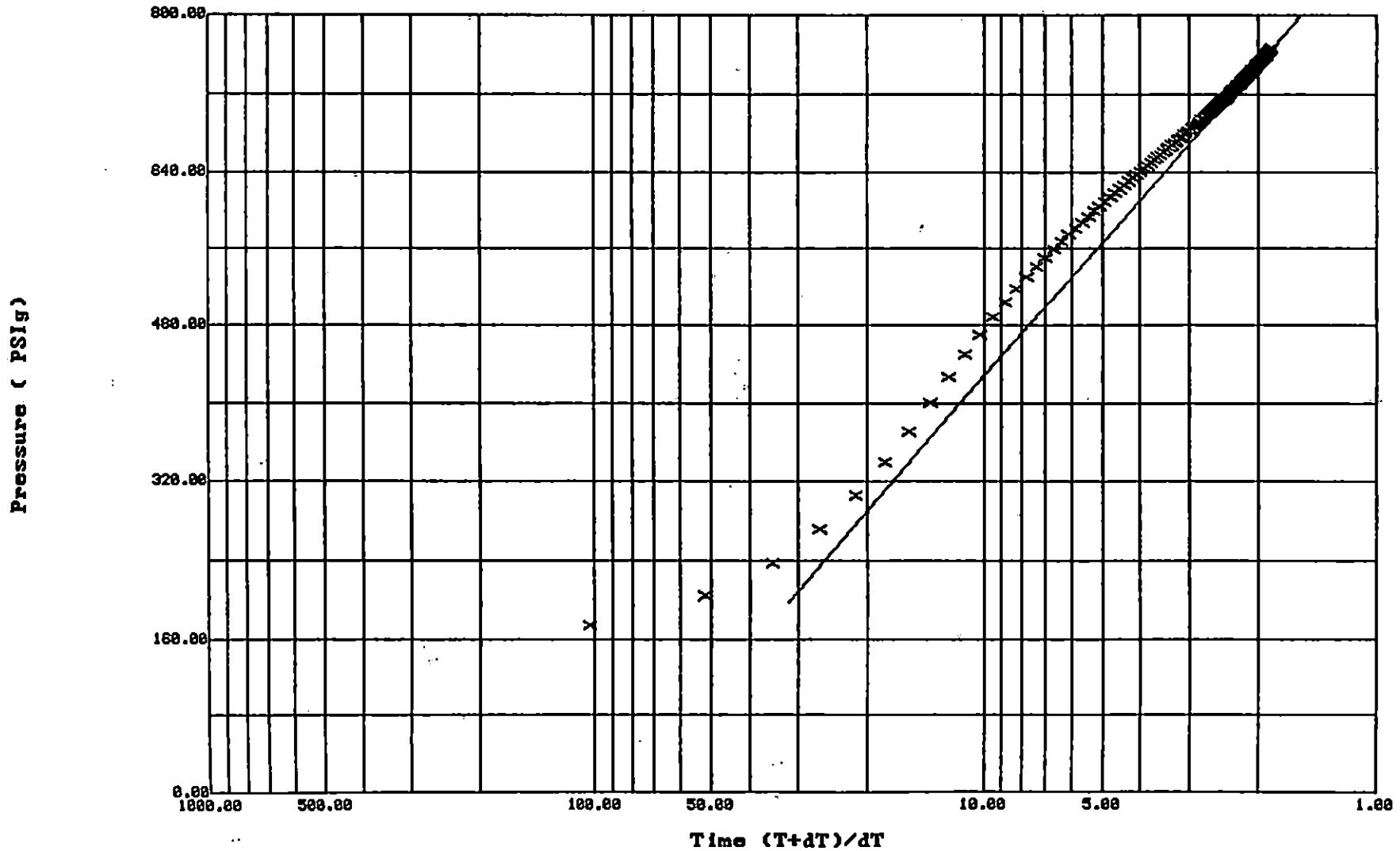


# Horner Plot: shut-in #2

8570 DST#2 DEBORAH#20-11 DLB OIL AND GAS INC.

Slope: 461.8498 PSig/cycle

Ext. Pressure: 889.3499 PSig





TRILOBITE TESTING L.L.C.

OPERATOR : DLB OIL AND GAS INC.

DATE 11-1-95

WELL NAME: DEBORAH #20-11

KB 1607.00 ft

TICKET NO: 8571

DST #3

LOCATION : 20-23S-7W, Reno Cty KS

GR 1597.00 ft

FORMATION: MISSISSIPPI

INTERVAL : 3640.00 To 3655.00 ft

TD 3655.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13788	13788	2346			PF Fr. 0935 to 1005 hr
SI 60 Range(Psi )	4650.0	4650.0	4995.0	0.0	0.0	IS Fr. 1005 to 1105 hr
SF 60 Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 1105 to 1205 hr
FS 120 Depth(ft )	3652.0	3652.0	3645.0	0.0	0.0	FS Fr. 1205 to 1405 hr

	Field	1	2	3	4	
A. Init Hydro	1799.0	1809.0	1746.0	0.0	0.0	T STARTED 0755 hr
B. First Flow	21.0	34.0	22.0	0.0	0.0	T ON BOTM 0933 hr
B1. Final Flow	52.0	51.0	68.0	0.0	0.0	T OPEN 0935 hr
C. In Shut-in	816.0	820.0	834.0	0.0	0.0	T PULLED 1405 hr
D. Init Flow	56.0	71.0	64.0	0.0	0.0	T OUT 1645 hr
E. Final Flow	112.0	113.0	120.0	0.0	0.0	
F. Fl Shut-in	800.0	811.0	822.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1753.0	1753.0	1720.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 54000.00 lbs
						Initial Str Wt 49000.00 lbs
						Unseated Str Wt 49000.00 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 0.00 ft
						D.P. Length 3646.00 ft

RECOVERY

Tot Fluid 215.00 ft of 0.00 ft in DC and 215.00 ft in DP  
 310.00 ft of Gas in pipe  
 30.00 ft of Oil cut mud - 9% oil, 91% mud  
 62.00 ft of Muddy water w/oil specks - 82% water, 18% mud  
 123.00 ft of Water w/ oil specks - 100% water

10.00 ft of Pay (est)

RW 1.08 @ 50 F

SALINITY 13000.00 P.P.M. A.P.I. Gravity 36.00

BLOW DESCRIPTION

Initial Blow -  
 Strong blow, bottom of bucket in 1.25 min

Final Blow -  
 Fair to strong blow, bottom of bucket in 14 min

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	CHEMICAL
Weight	8.90 lb/c
Vis.	68.00 S/L
W.L.	9.60 in3
F.C.	0.20 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	117.00 F
Hole Condition	FAIR
% Porosity	30.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	NONE
Reversed Out N	
Tool Chased N	

Tester GARY PEVOTEAUX  
 Co. Rep. JOE BAKER/DAVIS  
 Contr. WHITE & ELLIS  
 Rig # 8  
 Unit #  
 Pump T.

Test Successful: Y

Operator.....: DLB Oil & Gas Inc  
Well Name.....: Deborah #20-11  
DST Number.....: 3

Location.: 20-23S-7W                      Recorder No...: 2346  
Test Type: Conventional                  Recorder Depth: 3645  
Formation: Mississippi                  Test Interval.: 3640-3655

RESERVOIR CALCULATIONS: Fluid calculations based on shut-in #2

RESERVOIR PARAMETERS USED:

Net Pay.....: 10.00 ft  
Porosity.....: 30.00 %  
Bottom Hole Temp.....: 117.00 F  
Specific Gravity.....: 0.845  
API Gravity.....: 36.00  
Compressibility.....: 0.000003 /psi  
Viscosity.....: 8.7820 cp  
Total Recovery.....: 215.00 ft  
Total Flowing Time.....: 90.00 min.  
Flow Rate.....: 0.61 bbls/d  
Final Flowing Pressure.....: 120.00 psi  
Horner Slope.....: 577.8516 psi/cycle  
Extrapolated Pressure.....: 957.10 psi  
Formation Volume Factor.....: 1.03 Reservoir/Surface  
Well Bore Radius.....: 3.94 in

RESULTS:

Effective Permeability.....: 0.155126 md  
Flow Capacity.....: 1.5513 md.ft  
Transmissibility.....: 0.1766 md.ft/cp  
Skin Factor.....: -0.4209  
Radius of Investigation.....: 4.89495 ft  
Damage Ratio.....: 0.7985  
Productivity Index.....: 0.0007 bbls/psi.d  
Productivity Index W/O Damage.: 0.0006 bbls/psi.d

# CALCULATED RECOVERY ANALYSIS - DRILL PIPE

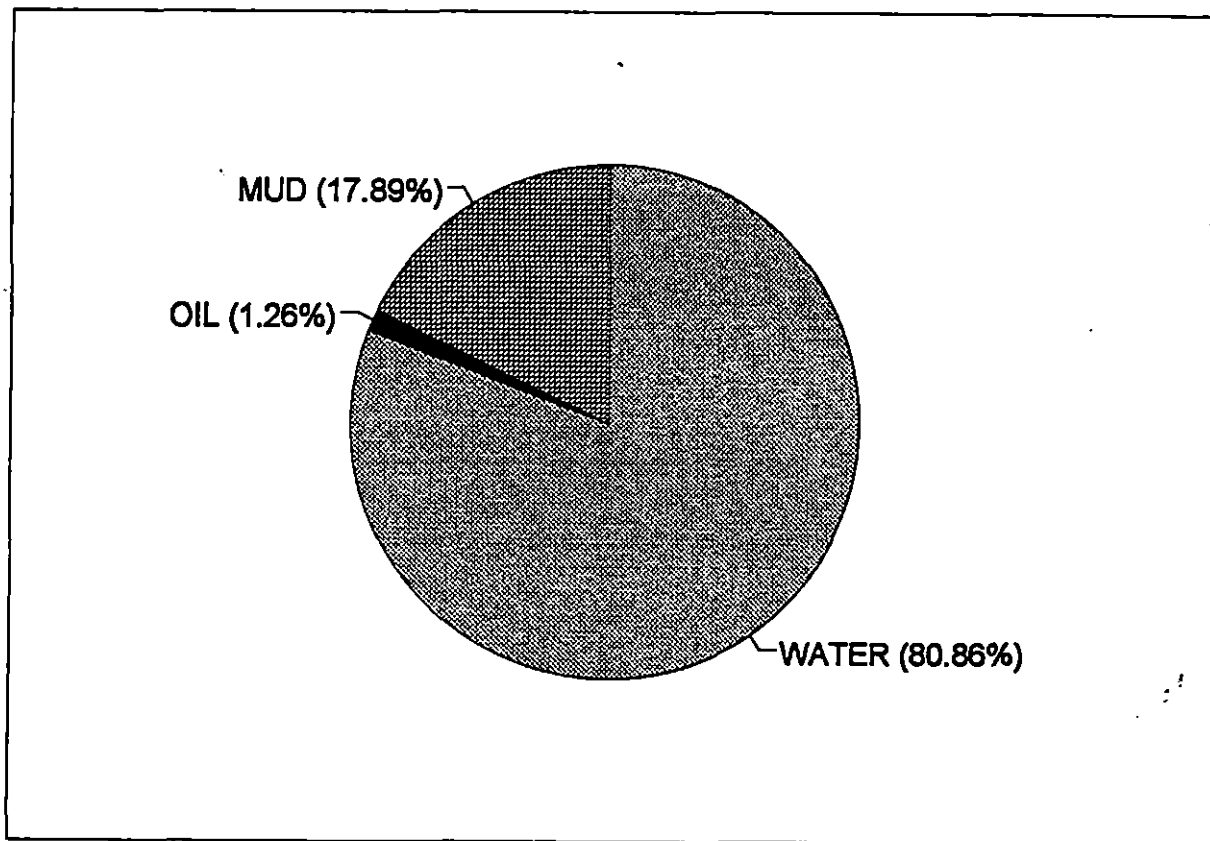
DST # 3

TICKET # 8571

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	30		0	9	2.7		0	91	27.3
2	62		0		0	82	50.84	18	11.16
3	123		0		0	100	123		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
<b>TOTAL</b>	<b>215</b>	<b>0.00</b>	<b>0</b>	<b>1.26</b>	<b>2.7</b>	<b>80.85581</b>	<b>173.84</b>	<b>17.89</b>	<b>38.46</b>

### HRS OPE BBL/DAY

BBL OIL=	0.038394	*	1.50	0.61
BBL WATER=	2.472005	*		39.55
BBL MUD=	0.548901			
BBL GAS	0			





# TEST HISTORY

8571 DST#3 DEBORAH #20-11 DLB OIL AND GAS INC.

Flag Points

	Time (Min.)	Pressure (PSig)
A1	0.00	1745.69
B1	0.00	22.23
C1	29.00	66.71
D1	61.00	834.07
E1	0.00	63.78
F1	57.00	126.43
G1	120.00	821.58
Q1	0.00	1726.34

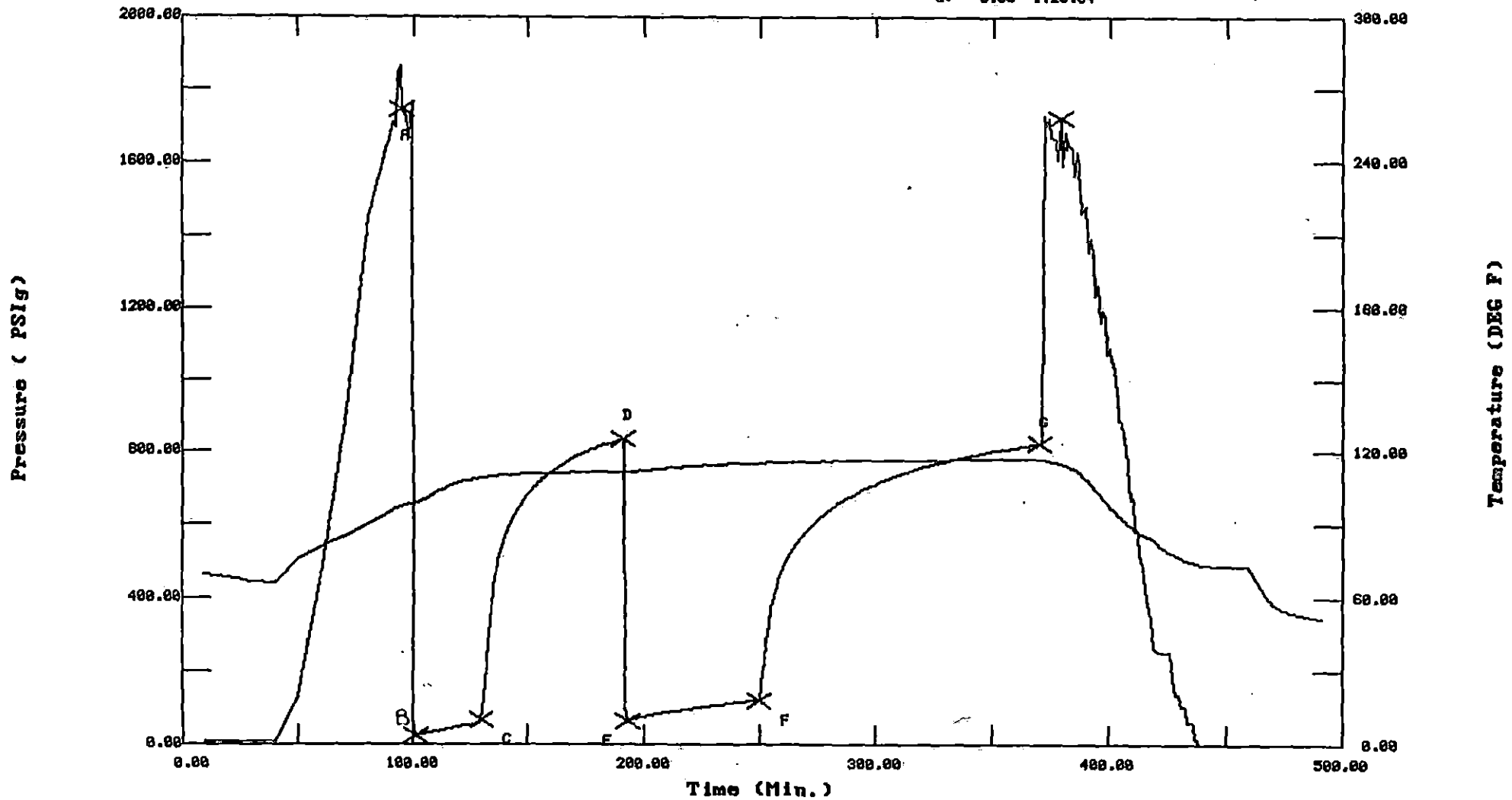
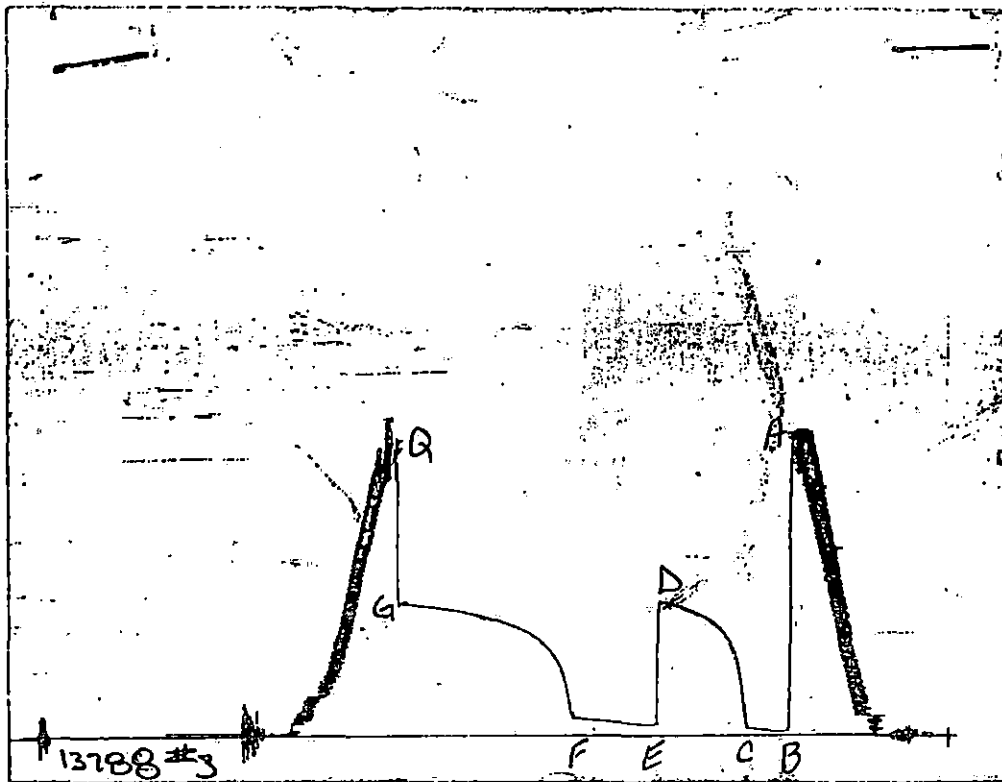


CHART PAGE



This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8571 DST#3 DEBORAH #20-11 DLB OIL AND GAS INC.

DATE: 11/01/95 TIME: 07:55:26

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	95.00	1745.7	0.0	97.20		
***** Start Flow 1	0.00	22.2	0.0	98.68		
	1.00	24.0	1.8	99.01		
	2.00	25.2	2.9	99.44		
	3.00	26.8	4.5	99.86		
	4.00	28.1	5.9	100.25		
	5.00	29.5	7.3	100.68		
	6.00	30.0	7.8	101.07		
	7.00	31.5	9.3	101.66		
	8.00	32.9	10.7	102.23		
	9.00	34.3	12.1	102.85		
	10.00	35.6	13.3	103.43		
	11.00	36.8	14.6	103.99		
	12.00	38.3	16.0	104.50		
	13.00	39.6	17.4	105.03		
	14.00	40.7	18.5	105.39		
	15.00	42.1	19.9	105.82		
	16.00	43.4	21.1	106.18		
	17.00	44.6	22.3	106.52		
	18.00	45.7	23.5	106.82		
	19.00	46.7	24.5	107.10		
	20.00	47.8	25.6	107.36		
	21.00	49.0	26.8	107.67		
	22.00	50.1	27.9	107.90		
	23.00	51.1	28.9	107.90		
	24.00	52.2	30.0	108.14		
	25.00	53.5	31.3	108.39		
	26.00	54.8	32.6	108.55		
	27.00	55.6	33.4	108.72		
	28.00	56.9	34.7	108.89		
***** End Flow 1	29.00	66.7	44.5	109.04		
***** Start Shutin 1	0.00	66.7	0.0	109.04	0.0000	0.004
	1.00	129.2	62.4	109.19	30.0000	0.017
	2.00	209.8	143.1	109.33	15.5000	0.044
	3.00	297.2	230.5	109.47	10.6667	0.088
	4.00	372.8	306.1	109.60	8.2500	0.139
	5.00	430.2	363.5	109.72	6.8000	0.185
	6.00	471.7	405.0	109.86	5.8333	0.223
	7.00	503.4	436.7	109.95	5.1429	0.253
	8.00	528.7	461.9	110.05	4.6250	0.279
	9.00	550.2	483.5	110.15	4.2222	0.303
	10.00	570.3	503.6	110.24	3.9000	0.325
	11.00	586.6	519.8	110.32	3.6364	0.344
	12.00	600.7	534.0	110.37	3.4167	0.361
	13.00	613.8	547.1	110.43	3.2308	0.377
	14.00	625.9	559.2	110.49	3.0714	0.392
	15.00	637.0	570.3	110.55	2.9333	0.406
	16.00	647.4	580.7	110.60	2.8125	0.419
	17.00	657.0	590.3	110.64	2.7059	0.432
	18.00	666.1	599.4	110.68	2.6111	0.444
	19.00	674.5	607.8	110.73	2.5263	0.455

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8571 DST#3 DEBORAH #20-11 DLB OIL AND GAS INC.

DATE: 11/01/95

TIME: 07:55:26

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	20.00	682.6	615.9	110.75	2.4500	0.466
	21.00	690.2	623.5	110.78	2.3810	0.476
	22.00	697.4	630.7	110.82	2.3182	0.486
	23.00	704.1	637.4	110.85	2.2609	0.496
	24.00	710.6	643.9	110.86	2.2083	0.505
	25.00	716.8	650.1	110.89	2.1600	0.514
	26.00	722.7	656.0	110.91	2.1154	0.522
	27.00	728.2	661.5	110.93	2.0741	0.530
	28.00	733.6	666.9	110.95	2.0357	0.538
	29.00	738.6	671.9	110.98	2.0000	0.546
	30.00	743.6	676.9	111.01	1.9667	0.553
	31.00	748.3	681.6	111.01	1.9355	0.560
	32.00	752.8	686.1	111.03	1.9062	0.567
	33.00	757.2	690.5	111.06	1.8788	0.573
	34.00	761.3	694.6	111.09	1.8529	0.580
	35.00	765.3	698.6	111.13	1.8286	0.586
	36.00	769.2	702.5	111.15	1.8056	0.592
	37.00	772.9	706.2	111.19	1.7838	0.597
	38.00	776.5	709.8	111.21	1.7632	0.603
	39.00	780.0	713.3	111.23	1.7436	0.608
	40.00	783.3	716.6	111.26	1.7250	0.614
	41.00	786.6	719.8	111.28	1.7073	0.619
	42.00	789.8	723.0	111.31	1.6905	0.624
	43.00	792.8	726.1	111.33	1.6744	0.628
	44.00	795.7	729.0	111.36	1.6591	0.633
	45.00	798.4	731.7	111.39	1.6444	0.637
	46.00	801.2	734.5	111.41	1.6304	0.642
	47.00	803.9	737.1	111.44	1.6170	0.646
	48.00	806.5	739.7	111.45	1.6042	0.650
	49.00	809.0	742.3	111.46	1.5918	0.654
	50.00	811.3	744.6	111.49	1.5800	0.658
	51.00	813.8	747.0	111.50	1.5686	0.662
	52.00	815.9	749.2	111.53	1.5577	0.666
	53.00	818.3	751.6	111.56	1.5472	0.670
	54.00	820.5	753.8	111.58	1.5370	0.673
	55.00	822.5	755.8	111.61	1.5273	0.676
	56.00	824.6	757.9	111.62	1.5179	0.680
	57.00	826.6	759.9	111.67	1.5088	0.683
	58.00	828.4	761.7	111.68	1.5000	0.686
	59.00	830.4	763.7	111.68	1.4915	0.690
	60.00	832.2	765.5	111.69	1.4833	0.693
***** End Shut-in 1	61.00	834.1	767.4	111.72	1.4754	0.696
***** Start Flow 2	0.00	63.8	0.0	111.73		
	1.00	66.0	2.2	111.71		
	2.00	67.7	3.9	111.71		
	3.00	69.6	5.8	111.75		
	4.00	71.1	7.3	111.78		
	5.00	72.7	8.9	111.85		
	6.00	74.1	10.3	111.93		
	7.00	75.4	11.6	112.04		
	8.00	76.4	12.7	112.15		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8571 DST#3 DEBORAH #20-11 DLB OIL AND GAS INC.

DATE: 11/01/95

TIME: 07:55:26

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
9.00	77.5	13.8	112.25		
10.00	78.7	14.9	112.35		
11.00	79.9	16.1	112.51		
12.00	80.9	17.1	112.63		
13.00	81.8	18.0	112.63		
14.00	82.7	19.0	112.70		
15.00	83.8	20.1	112.86		
16.00	85.1	21.3	112.97		
17.00	86.7	22.9	113.05		
18.00	87.7	23.9	113.15		
19.00	88.6	24.8	113.24		
20.00	89.4	25.6	113.34		
21.00	90.4	26.6	113.42		
22.00	91.3	27.5	113.50		
23.00	92.1	28.4	113.57		
24.00	93.2	29.4	113.67		
25.00	93.7	30.0	113.72		
26.00	94.7	31.0	113.80		
27.00	95.8	32.0	113.87		
28.00	96.5	32.7	113.94		
29.00	97.6	33.8	113.99		
30.00	98.9	35.1	114.06		
31.00	99.5	35.8	114.13		
32.00	100.4	36.6	114.19		
33.00	101.2	37.4	114.26		
34.00	102.1	38.4	114.32		
35.00	103.0	39.2	114.34		
36.00	103.8	40.0	114.42		
37.00	104.6	40.9	114.47		
38.00	105.3	41.5	114.52		
39.00	106.3	42.6	114.57		
40.00	107.0	43.2	114.63		
41.00	107.8	44.1	114.68		
42.00	108.5	44.7	114.73		
43.00	109.4	45.7	114.78		
44.00	110.3	46.5	114.82		
45.00	111.0	47.3	114.88		
46.00	111.8	48.0	114.92		
47.00	112.8	49.0	114.99		
48.00	113.6	49.9	115.00		
49.00	114.7	50.9	115.00		
50.00	115.1	51.3	115.02		
51.00	116.1	52.4	115.04		
52.00	116.7	52.9	115.08		
53.00	117.2	53.5	115.15		
54.00	118.2	54.4	115.20		
55.00	119.0	55.2	115.24		
56.00	119.8	56.0	115.28		
57.00	120.4	56.7	115.31		

\*\*\*\*\* End Flow 2

***** Start Shutin 2	0.00	120.4	0.0	115.31	0.0000	0.015
	1.00	167.0	46.6	115.34	87.0000	0.028

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8571 DST#3 DEBORAH #20-11 DLB OIL AND GAS INC.

DATE: 11/01/95

TIME: 07:55:26

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
2.00	225.8	105.4	115.39	44.0000	0.051
3.00	281.9	161.5	115.43	29.6667	0.079
4.00	331.4	211.0	115.47	22.5000	0.110
5.00	372.9	252.5	115.51	18.2000	0.139
6.00	406.0	285.5	115.55	15.3333	0.165
7.00	432.3	311.9	115.58	13.2857	0.187
8.00	453.6	333.2	115.61	11.7500	0.206
9.00	471.4	351.0	115.67	10.5556	0.222
10.00	486.5	366.1	115.67	9.6000	0.237
11.00	500.0	379.6	115.70	8.8182	0.250
12.00	512.1	391.7	115.73	8.1667	0.262
13.00	523.0	402.6	115.75	7.6154	0.274
14.00	533.3	412.8	115.79	7.1429	0.284
15.00	542.8	422.3	115.80	6.7333	0.295
16.00	551.6	431.2	115.81	6.3750	0.304
17.00	560.0	439.6	115.83	6.0588	0.314
18.00	567.9	447.5	115.85	5.7778	0.323
19.00	575.4	455.0	115.85	5.5263	0.331
20.00	582.6	462.2	115.87	5.3000	0.339
21.00	589.3	468.9	115.87	5.0952	0.347
22.00	595.9	475.5	115.88	4.9091	0.355
23.00	602.2	481.7	115.89	4.7391	0.363
24.00	608.2	487.8	115.90	4.5833	0.370
25.00	613.9	493.5	115.92	4.4400	0.377
26.00	619.5	499.0	115.92	4.3077	0.384
27.00	624.9	504.5	116.03	4.1852	0.391
28.00	630.0	509.5	115.96	4.0714	0.397
29.00	635.0	514.6	115.97	3.9655	0.403
30.00	639.9	519.4	115.99	3.8667	0.409
31.00	644.6	524.2	116.01	3.7742	0.416
32.00	649.2	528.7	116.02	3.6875	0.421
33.00	653.5	533.0	116.03	3.6061	0.427
34.00	657.7	537.3	116.05	3.5294	0.433
35.00	661.8	541.4	116.07	3.4571	0.438
36.00	665.9	545.4	116.08	3.3889	0.443
37.00	669.7	549.3	116.10	3.3243	0.449
38.00	673.5	553.1	116.13	3.2632	0.454
39.00	677.3	556.9	116.15	3.2051	0.459
40.00	680.8	560.4	116.18	3.1500	0.464
41.00	684.3	563.9	116.20	3.0976	0.468
42.00	687.7	567.3	116.21	3.0476	0.473
43.00	691.1	570.6	116.24	3.0000	0.478
44.00	694.2	573.8	116.26	2.9545	0.482
45.00	697.3	576.9	116.28	2.9111	0.486
46.00	700.5	580.1	116.31	2.8696	0.491
47.00	703.6	583.1	116.33	2.8298	0.495
48.00	706.4	586.0	116.33	2.7917	0.499
49.00	709.3	588.8	116.35	2.7551	0.503
50.00	712.1	591.7	116.37	2.7200	0.507
51.00	714.9	594.5	116.39	2.6863	0.511
52.00	717.6	597.1	116.39	2.6538	0.515

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8571 DST#3 DEBORAH #20-11 DLB OIL AND GAS INC.

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TIME: 07:55:26

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
53.00	720.2	599.7	116.41	2.6226	0.519
54.00	722.8	602.3	116.41	2.5926	0.522
55.00	725.3	604.9	116.42	2.5636	0.526
56.00	727.7	607.3	116.42	2.5357	0.530
57.00	730.1	609.7	116.42	2.5088	0.533
58.00	732.5	612.1	116.43	2.4828	0.537
59.00	734.8	614.4	116.44	2.4576	0.540
60.00	737.0	616.5	116.45	2.4333	0.543
61.00	739.2	618.8	116.44	2.4098	0.546
62.00	741.5	621.1	116.47	2.3871	0.550
63.00	743.6	623.2	116.50	2.3651	0.553
64.00	745.7	625.3	116.51	2.3438	0.556
65.00	747.7	627.3	116.51	2.3231	0.559
66.00	749.8	629.4	116.53	2.3030	0.562
67.00	751.6	631.2	116.54	2.2836	0.565
68.00	753.7	633.2	116.54	2.2647	0.568
69.00	755.5	635.1	116.55	2.2464	0.571
70.00	757.4	637.0	116.56	2.2286	0.574
71.00	759.3	638.9	116.56	2.2113	0.577
72.00	761.0	640.6	116.57	2.1944	0.579
73.00	762.9	642.5	116.60	2.1781	0.582
74.00	764.7	644.3	116.58	2.1622	0.585
75.00	766.3	645.9	116.58	2.1467	0.587
76.00	768.0	647.6	116.58	2.1316	0.590
77.00	769.6	649.2	116.60	2.1169	0.592
78.00	771.2	650.8	116.59	2.1026	0.595
79.00	773.0	652.5	116.60	2.0886	0.597
80.00	774.6	654.1	116.61	2.0750	0.600
81.00	776.1	655.6	116.61	2.0617	0.602
82.00	777.6	657.2	116.62	2.0488	0.605
83.00	779.1	658.7	116.62	2.0361	0.607
84.00	780.5	660.1	116.62	2.0238	0.609
85.00	782.0	661.6	116.63	2.0118	0.612
86.00	783.5	663.0	116.63	2.0000	0.614
87.00	784.9	664.5	116.64	1.9885	0.616
88.00	786.2	665.8	116.65	1.9773	0.618
89.00	787.7	667.2	116.65	1.9663	0.620
90.00	789.0	668.6	116.65	1.9556	0.623
91.00	790.3	669.9	116.66	1.9451	0.625
92.00	791.6	671.2	116.67	1.9348	0.627
93.00	792.9	672.5	116.66	1.9247	0.629
94.00	794.2	673.8	116.67	1.9149	0.631
95.00	795.5	675.0	116.67	1.9053	0.633
96.00	796.7	676.3	116.67	1.8958	0.635
97.00	797.9	677.5	116.67	1.8866	0.637
98.00	799.1	678.6	116.67	1.8776	0.639
99.00	800.2	679.8	116.69	1.8687	0.640
100.00	801.5	681.1	116.69	1.8600	0.642
101.00	802.5	682.1	116.69	1.8515	0.644
102.00	803.7	683.3	116.69	1.8431	0.646
103.00	804.8	684.3	116.68	1.8350	0.648

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8571 DST#3 DEBORAH #20-11 DLB OIL AND GAS INC.

DATE: 11/01/95

TIME: 07:55:26

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	104.00	805.9	685.4	116.70	1.8269	0.649
	105.00	807.0	686.5	116.69	1.8190	0.651
	106.00	808.0	687.6	116.70	1.8113	0.653
	107.00	809.1	688.6	116.71	1.8037	0.655
	108.00	810.1	689.6	116.70	1.7963	0.656
	109.00	811.1	690.6	116.71	1.7890	0.658
	110.00	812.2	691.7	116.71	1.7818	0.660
	111.00	813.1	692.7	116.71	1.7748	0.661
	112.00	814.1	693.7	116.72	1.7679	0.663
	113.00	815.1	694.7	116.71	1.7611	0.664
	114.00	816.0	695.6	116.72	1.7544	0.666
	115.00	816.9	696.5	116.71	1.7478	0.667
	116.00	817.9	697.4	116.71	1.7414	0.669
	117.00	818.9	698.4	116.71	1.7350	0.671
	118.00	819.7	699.3	116.71	1.7288	0.672
	119.00	820.6	700.1	116.71	1.7227	0.673
***** End Shut-in 2	120.00	821.6	701.1	116.72	1.7167	0.675
***** Final Hydro.	379.00	1720.3	0.0	115.00		

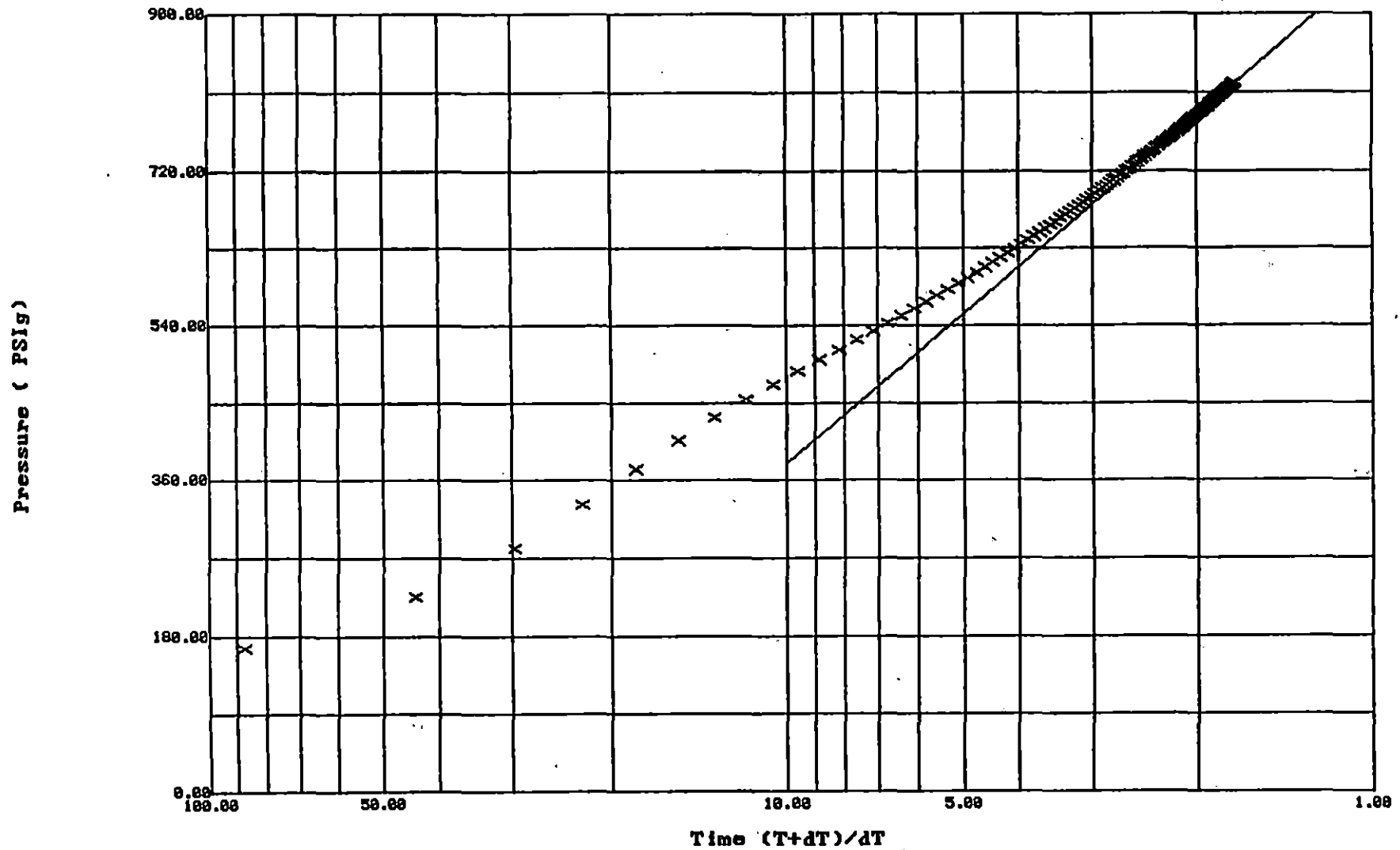


# Horner Plot: shut-in #2

8571 DST#3 DEBORAH #20-11 DLB OIL AND GAS INC.

Slope: 577.8516 PSig/cycle

Ext. Pressure: 957.8975 PSig

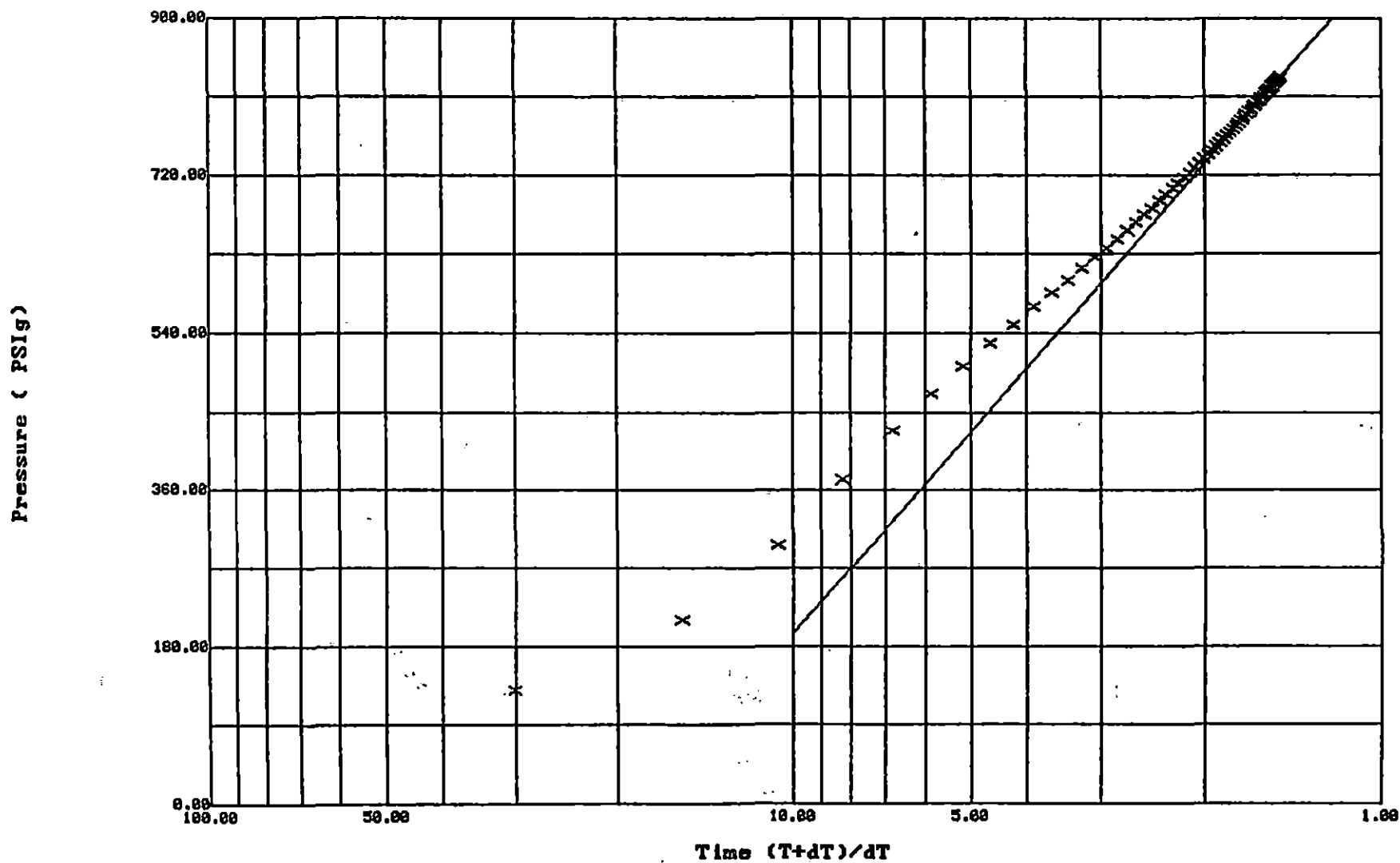


# Horner Plot: shut-in #1

8571 DST#3 DEBORAH #20-11 DLB OIL AND GAS INC.

Slope: 769.3666 PSig/cycle

Ext. Pressure: 963.9781 PSig





# ALLIED CEMENTING CO., INC. 4843

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

## ORIGINAL

SERVICE POINT: Arrest Bend

DATE <u>10-25-95</u>	SEC. <u>20</u>	TWP. <u>23</u>	RANGE <u>7</u>	CALLED OUT <u>10:30am</u>	ON LOCATION <u>1:30pm</u>	JOB START <u>4:30pm</u>	JOB FINISH <u>5:30pm</u>
LEASE <u>Deborah</u>		WELL # <u>20-11</u>		LOCATION <u>4th street Rd + 14 Hwy 3E 1 1/2 S E/S</u>		COUNTY <u>reno</u>	STATE <u>K.S.</u>

OLD OR  NEW (Circle one)

CONTRACTOR <u>White + Ellis Drilling Rig #8</u>	
TYPE OF JOB <u>Surface pipe job</u>	
HOLE SIZE <u>8"</u>	T.D. <u>278 ft</u>
CASING SIZE <u>24" new pipe</u>	DEPTH <u>277 ft</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE <u>262 ft</u>	SHOE JOINT
CEMENT LEFT IN CSG. <u>15 ft</u>	
PERFS. <u>Displace ment 16.6 bbl</u>	

OWNER Same CEMENT

AMOUNT ORDERED 215 @ 47cc 27 gal

COMMON	<u>129</u>	@	<u>6.10</u>	<u>786.90</u>
POZMIX	<u>86</u>	@	<u>3.15</u>	<u>270.90</u>
GEL	<u>4</u>	@	<u>9.50</u>	<u>38.00</u>
CHLORIDE	<u>9</u>	@	<u>28.00</u>	<u>252.00</u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>215</u>	@	<u>1.05</u>	<u>225.75</u>
MILEAGE	<u>50</u>			<u>430.00</u>

TOTAL \$ 2003.55

### EQUIPMENT

PUMP TRUCK # <u>120</u>	CEMENTER <u>Mike M.</u>
	HELPER <u>Duane S.</u>
BULK TRUCK #	DRIVER
BULK TRUCK # <u>222</u>	DRIVER <u>Rick W.</u>

### REMARKS:

Circulate Hole with Pug mud pump  
Mix Cement + Release plug  
Displace Plug down with water  
Cement did Circulate to surface

### SERVICE

DEPTH OF JOB	<u>277 ft</u>		
PUMP TRUCK CHARGE			<u>445.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>50</u>	@	<u>2.35</u> <u>117.50</u>
PLUG <u>1-8 1/2 wooden plug</u>		@	<u>45.00</u> <u>45.00</u>
		@	
		@	

TOTAL \$ 607.50

CHARGE TO: D.L.B. oil + Gas Inc  
STREET 1601 NW Expressway # 700  
CITY OKLA City STATE OKLA. ZIP 73118

### FLOAT EQUIPMENT

RECEIVED	
KANSAS CORPORATION COMMISSION	@
JUL 25 1996	@
CONSERVATION DIVISION	@
WICHITA, KS	@

TOTAL

TAX	<u>-0-</u>
TOTAL CHARGE	<u>\$ 2611.05</u>
DISCOUNT	<u>\$ 522.21</u> IF PAID IN 30 DAYS

Net \$ 2088.84

Thank you  
Allied Cementing Co Inc  
Mike + Duane + Rick

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 Bob Kasper

ORIGINAL



HALLIBURTON

JOB SUMMARY

HALLIBURTON DIVISION M30 CONST.  
HALLIBURTON LOCATION PRAT, Ks.

BILLED ON TICKET NO. 906711

WELL DATA

FIELD \_\_\_\_\_ SEC. 20 TWP. 235 RANG. 7W COUNTY RENO STATE Ks.

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

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.5	5 7/8	0	4220	
LINER						
TUBING						
OPEN HOLE			7 7/8	4200	4220	SNOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
ROD-COLLAR <u>INS. FLOAT VALVE</u>	<u>1</u>	<u>HOWE</u>
ROD-GRABBER <u>FULLUP VALVE</u>	<u>1</u>	<u>HOWE</u>
GUIDE SHOE	<u>1</u>	<u>HOWE</u>
CENTRALIZERS	<u>10</u>	<u>HOWE</u>
BOTTOM PLUG		
TOP PLUG <u>5W PLUG</u>	<u>1</u>	<u>HOWE</u>
HEAD		
PACKER		
OTHER <u>PLUG CONT. &amp; MARK.</u>	<u>1</u>	<u>HOWE</u>

CECILED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-3</u> TIME <u>2:20</u>	DATE <u>11-4</u> TIME <u>01:00</u>	DATE <u>11-4</u> TIME <u>01:30</u>	DATE <u>11-4</u> TIME <u>09:30</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>H. GORDLEY</u> <u>C 2500</u>	<u>40035</u> <u>P.U.</u>	<u>PRAT, Ks.</u>
<u>C. BAKER</u> <u>C 947</u>	<u>51936</u> <u>HUMP TRK</u>	<u>"</u>
<u>R. JOHNSON</u> <u>G 9726</u>	<u>4213</u> <u>PINK TRK</u>	<u>"</u>

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. @ 60° F

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. @ 60° F

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

WET AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL./LB. \_\_\_\_\_ IN

GELLING AGENT TYPE \_\_\_\_\_ GAL./LB. \_\_\_\_\_ IN

PHIC. RED. AGENT TYPE \_\_\_\_\_ GAL./LB. \_\_\_\_\_ IN

BREAKER TYPE \_\_\_\_\_ GAL./LB. \_\_\_\_\_ IN

BLOCKING AGENT TYPE \_\_\_\_\_ GAL./LB. \_\_\_\_\_

PERF PAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER 14 gal. CURRYFIX TC

DEPARTMENT CEMENT

DESCRIPTION OF JOB CONST. 5 7/8 PRAT, Ks.

JOB DONE THRU. TUBING  CASING  ANNULUS  TBC-ANN.

CUSTOMER REPRESENTATIVE X T-D

HALLIBURTON OPERATOR H. GORDLEY COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF BAGS	CEMENT	BRAND	BULK BACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>200</u>	<u>EA-2</u>		<u>B</u>	<u>5% CALSEAL, 18% SALT</u> <u>5 1/2% BUCSINATE, .75% H-322</u>	<u>1.00</u>	<u>15.3</u>

PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

SHUT-IN INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPR \_\_\_\_\_

FEET 45 REASON INSERT FLOAT

SUMMARY

PRESLUSH 0.20 GAL. @ 12 VOLUMES 0.20

LOAD & BRDN. 0.00 GAL. \_\_\_\_\_

TREATMENT 0.00 GAL. \_\_\_\_\_

CEMENT SLURRY 49.86 GAL. \_\_\_\_\_

TOTAL VOLUME: 49.86 GAL. \_\_\_\_\_

REMARKS

PUMP TRIP = 30 MIN

CUSTOMER: PRAT, Ks. LEASE: FIDUCIARY WILL NO. 11-4-75

# ALLIED CEMENTING CO., INC. - 4843

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

## ORIGINAL

SERVICE POINT: Market Blvd

DATE <u>10-25-95</u>	SEC <u>20</u>	TWP. <u>23</u>	RANGE <u>7</u>	CALLED OUT <u>10:30</u>	ON LOCATION <u>1:30</u>	JOB START <u>4:30</u>	JOB FINISH <u>3:30</u>
LEASE <u>Debarah</u>	WELL # <u>20-11</u>	LOCATION <u>4th street Rd + Hwy 20 1/2 S.E.</u>			COUNTY <u>Prine</u>	STATE <u>K.S.</u>	

OLD OR (NEW) (Circle one)

CONTRACTOR White & Ellis Drilling Rig #9  
 TYPE OF JOB Surface - pipe job  
 HOLE SIZE TD 279 ft  
 CASING SIZE 24 DEPTH 277 ft  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE 262 ft SHOE JOINT  
 CEMENT LEFT IN CSG. 15 ft  
 PERFS. Disperse ment 16.6 lbs

OWNER Same  
 CEMENT

AMOUNT ORDERED  
215 60 420 270

COMMON	129	@	6.10	786.90
POZMIX	86	@	3.15	270.90
GEL	9	@	9.50	85.50
CHLORIDE	9	@	28.00	252.00
		@		
		@		
		@		
		@		
		@		
HANDLING	215	@	1.05	225.75
MILEAGE	50			450.00
				TOTAL <u>2103.51</u>

EQUIPMENT

PUMP TRUCK CEMENTER Mel M.  
 # 120 HELPER Duane S.  
 BULK TRUCK DRIVER  
 # 222 DRIVER Rick W.

REMARKS:

Circulate hole with Rig mud pump  
Mix cement + Release plug  
Replace plug down with water  
Cement job Circulate to surface

SERVICE

DEPTH OF JOB 277 ft  
 PUMP TRUCK CHARGE 445.00  
 EXTRA FOOTAGE @  
 MILEAGE 50 @ 2.35 117.50  
 PLUG 1-8# wooden plug @ 45.00 45.00  
 @  
 @  
 @  
 @  
 @  
 TOTAL 607.50

CHARGE TO: D.L.B. oil - gas Inc  
 STREET 1601 NW Expressway # 700  
 CITY OKla City STATE OKla ZIP 73118

FLOAT EQUIPMENT

TAX - 0 -  
 TOTAL CHARGE \$ 2611.05  
 DISCOUNT 522.21 IF PAID IN 30 DAYS

RECEIVED  
 KANSAS CORP CD 11  
 OCT 11 11:09 AM '95

Thank you  
 Allied Cementing Co Inc  
 Mel + Duane + Rick

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 Bob Kasper

Net \$ 2088.84



DATE 11-4-95 PAGE NO. 1

JOB LOG HAL 20135

CUSTOMER DUB OIL & GAS INC. WELL NO. 20-11 LEASE DEBORAH JOB TYPE CONT. PROD. CSG. TICKET NO. 906711

CHART NO.	TIME	RATE (GPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	2200							CHILLED OUT 11-3-95
	0100							ON LOCATION 11-4-95
	0500							RIG LAYING DOWN P.P.
								RIG RIGGING CASINGS
								RUN CEMENT SAGS, INSURE FLIGHT VALVE
								AND 10 CENT. ON COLUMNS 1, 3, 5, 7, 9, 11, 13, 17, 19
	0630							BROOK EDGE ON JOINT # 50
	0745							CASING ON BOTTOM
								BROOK EDGE WITH MUD PUMP
								HOOK UP HOUSES TO CASINGS
	0823	7	20	-		200		PUMP 20 bbl (CLAYFIX II H <sub>2</sub> O)
	0827	7	32	-		200		PUMP 12 bbl MUD FLUSH
	0832	6	0	-		200		START MIX CMT
	0841	7	49	-		200		FINISH MIX CMT
								SHUT DOWN
								WASH OUT END OF BOREHOLE PUMP
	0844	7 1/2	0	-		200		START DISP.
		7 1/2	70	-		400		LEFTING CEMENT
	0858	5	99	-		1200		PLUG DOWN
								RELEASE PSI - FLIGHT HELD
								WASH UP
								HOOK UP
	0930							TUB. COMPLETE
								THANKS
								KELSON
								COOPER
								BRAD

RECEIVED  
MANSAS CORP CONM  
1997 OCT - 11 AM 1:59