

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

ORIGINAL

API NO. 15- 189-21,622-0000

CONFIDENTIAL

County STEVENS

S/2 - S/2 - N/2 - SE Sec. 12 Twp. 33S Rge. 38 X W

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: TO BE DETERMINED

Operator Contact Person: J. L. ASHTON

Phone (316) 624-6253

Contractor: Name: GABBERT-JONES, INC.

License: 5842

Wellsite Geologist: NA

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW 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 PBT

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

4/5/94 4/15/94 7/19/94
Spud Date Date Reached TD Completion Date

1500 Feet from X (circle one) Line of Section

1320 Feet from X (circle one) Line of Section

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

Lease Name MAYBERRY "B" Well # 1

Field Name GENTZLER

Producing Formation LOWER MORROW

Elevation: Ground 3137.1 KB --

Total Depth 6500 PBT 6060

Amount of Surface Pipe Set and Cemented at 1682 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3009 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 294 1-13-95
(Data must be collected from the Reserve Pit)

Chloride content 85,482 ppm Fluid volume 5000 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite: _____

RELEASED

Operator Name _____

Lease Name Oct 26 1995 License No. _____

Quarter 1 Sec. 1 Twp. 33S Rng. 38 E/W

County STEVENS Docket No. _____

FROM CONFIDENTIAL

CONFIDENTIAL

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 Leslie I. Barnes

LESLIE I. BARNES

Title SR. TECHNICAL ASSISTANT Date 8/10/94

Subscribed and sworn to before me this 11th day of August, 1994.

Notary Public Kathryn A. Rowley

Date Commission Expires 8-1-96

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"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other (Specify)

Form ACO-1 (7-91)



STATE CORPORATION COMMISSION
AUG 12 1994
8-12-94
CONFIDENTIALITY DIVISION
WICHITA, KANSAS

Property of Ks Corp Comm

SIDE TWO

Operator Name: ANADARKO PETROLEUM CORPORATION Lease Name: MAYBERRY "B" Well # 1

Sec. 12 Twp. 33S Rge. 38 East County: STEVENS

West

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

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

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run:

DST ENCLOSED

Log Formation (Top), Depth and Datums Sample

Name Top Datum

SEE ATTACHMENT

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 1/4	8 5/8	24	1682	50/50 POZ/COM	600/200	4% GEL, 2%CC, 1/4# FLOCELE / 2%CC
PRODUCTION	7 7/8	5 1/2	15.5	6313	65/35 POZ/THXST	50/300	1/4# SX FLOCELE / 1/4#SX FLOC, 5%KCL
		FO TOOL @		3004	65/35 POZMIX	100	

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
2	6072-6077	ACIDIZE IN 2' INTERVALS W/100 GALS 15% HCL ACID/FT TOTAL ACID = 500 GALS 6072-77
1	6005-6040, 5973-6000, 5943-5953	ACIDIZE IN 2' INTERVALS W/100 GALS 15% HCL ACID/FT TOTAL ACID = 7200 GALS 5943-6040
		FRAC W/65,000 GALS 40# FRACGEL CROSSLINKED 2% KCL WTR- AND 150,000# 20/40 SD 5943-6040
	CIBP @ 6060'	

TUBING RECORD	Size 2 3/8	Set At 5904	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. SI WD PRODUCTION EQUIPMENT, WO PIPELINE

Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil -- Bbls.	Gas 1250 Mcf	Water 102 BF	Gas-Oil Ratio --	Gravity --
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Disposition of Gas: METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 5943 - 6040

(If vented, submit ACO-18.) Other (Specify)

ORIGINAL

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ATTACHMENT

MAYBERRY "B" NO. 1
SECTION 12-33S-38W
STEVENS COUNTY, KANSAS

FORMATION

TOP

BASE STONE CORRAL	1694
CHASE	2480
COUNCIL GROVE	2788
ADMIRE	3055
WABAUNSEE	3235
TOPEKA	3506
HEEBNER	4041
TORONTO	4068
LANSING	4169
MARMATON	4853
CHEROKEE	5084
MORROW	5600
UPPER MORROW	5628
LOWER MORROW	5941
CHESTER	6134
STE. GENEVIEVE	6285
ST. LOUIS	6387

RELEASED

OCT 26 1995

FROM CONFIDENTIAL

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AUG 11

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COMMISSION

AUG 12 1994

REGISTRATION DIVISION

Property of Ks Corp Comm

GABBERT-JONES, INC.
WICHITA, KANSAS

- DRILLERS' WELL LOG -

CONFIDENTIAL

WELL NAME: MAYBERRY B-1
Sec 12-33S-38W
Stevens County Kansas

ORIGINAL

COMMENCED: 4-5-94
COMPLETED: 4-17-94
OPERATOR: Anadarko Petroleum Corp.

DEPTH From	To	FORMATION	REMARKS
0	645	Sand-Redbed	
645	1165	Redbed-Gyp	Ran 40 jts of 24#
1165	1345	Sand	8 5/8" csg set @ 1682'
1345	1685	Redbed-Gyp	w/600 sks class H
1685	1720	Anhy-Redbed	50/50 Posmix 4% Gel
1720	2990	Shale-Lime	2% CC 1/4# Floseal
2990	6500	Lime-Shale	200 sks common
			2% CC
			PD@ 12:30 PM 4-6-94
	6500 - TD		

RELEASED

OCT 26 1995

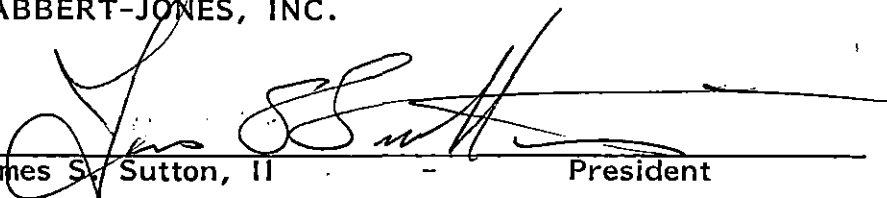
FROM CONFIDENTIAL

Ran 146 jts of 15 1/2#
5 1/2" csg set @ 6313'
Fo tool @ 3001
cemented bottom w/
50 sks 65/35 Posmix
1/4# Floseal - 300 sks
Thixset class H
1/4# Floseal
PD @ 4:30 PM 4-17-94
RR @ 5:30 PM 4-17-94

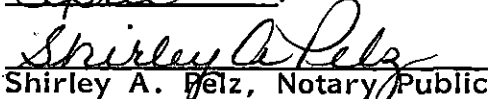
STATE OF KANSAS]
COUNTY OF SEDWICK]

I, the undersigned, being duly sworn on oath, state that the above Drillers' Well log is true and correct to the best of my knowledge and belief and according to the records of this office.

GABBERT-JONES, INC.


James S. Sutton, II President

Subscribed & sworn to before me this 21st day of April, 1994


Shirley A. Pelz, Notary Public



STATE COMMISSION

AUG 12 1994

COMMISSION DIVISION

My commission expires October 18, 1997

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ANADARKO PETROLEUM CORPORATION	
LEASE : MAYBERRY "B"	
WELL NO. : 1	<i>not</i>
TEST NO. : 1	AUG 1 1
API#15-189-21622	
CONFIDENTIAL	

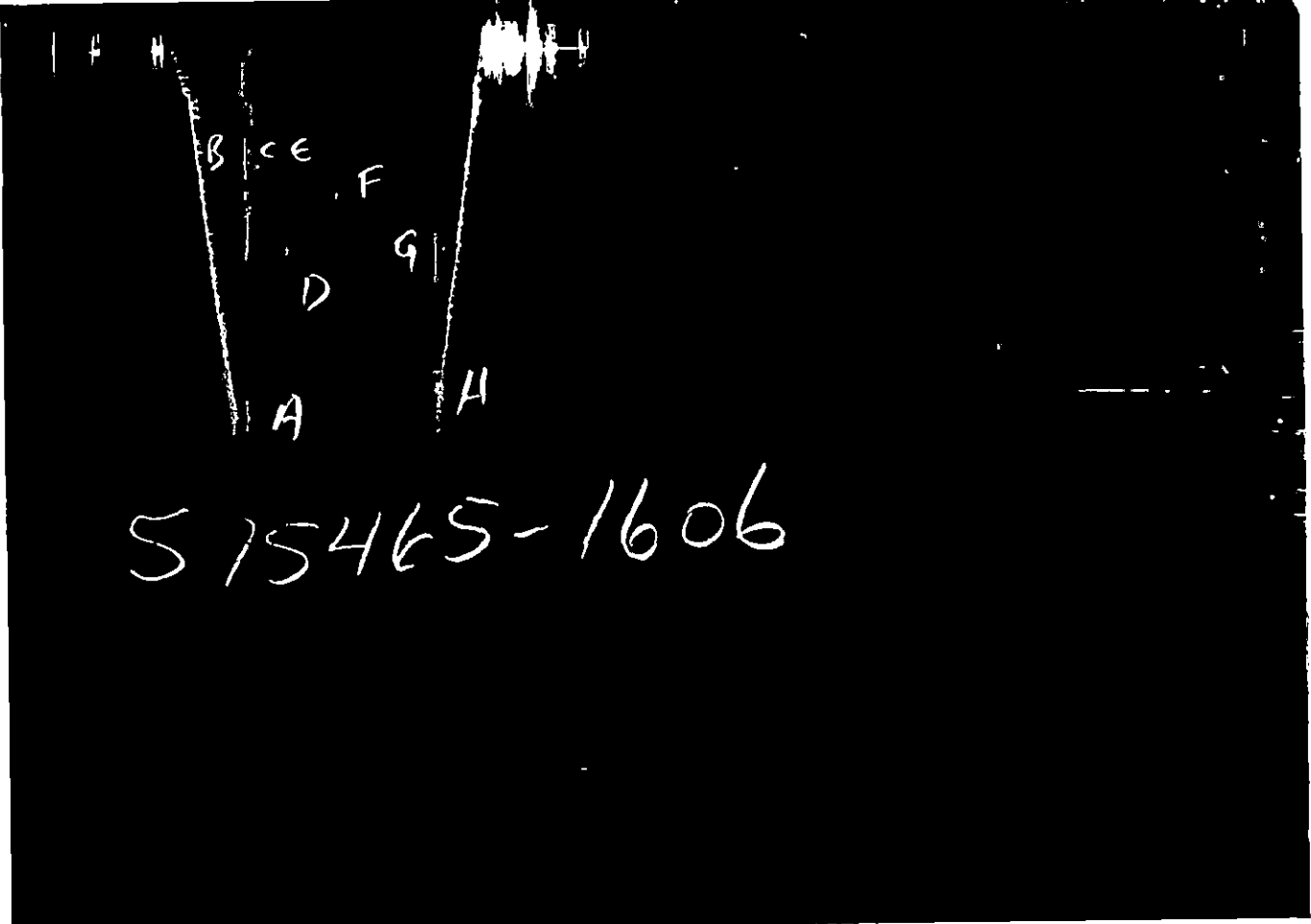
TICKET NO. 57546500
 22-APR-94
 LIBERAL

RELEASED

007 2 6 1995

FROM CONFIDENTIAL

LEGAL LOCATION SEC. - TWP. - RNG.	12 - 33 S - 38 W	WELL NO.	1	TEST NO.	1	TESTED INTERVAL	4894.0 - 4954.0	ANADARKO PETROLEUM CORPORATION
LEASE NAME	MAYBERRY "B"	FIELD AREA	WEST OF HUGOTON	COUNTY	STEVENS	STATE	KANSAS	LEASE OWNER/COMPANY NAME



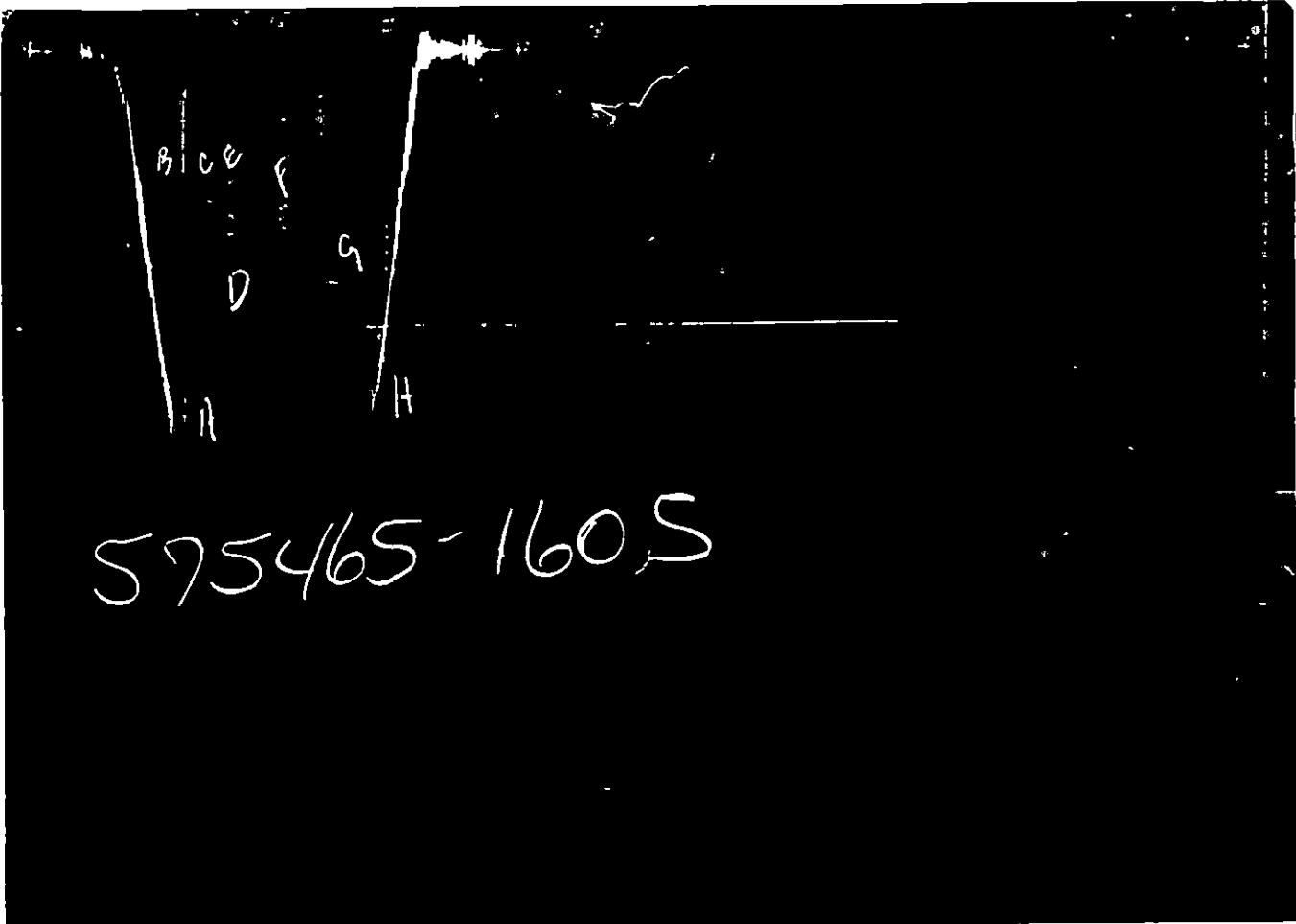
575465-1606

GAUGE NO: 1606 DEPTH: 4875.9 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2338.4			
B	INITIAL FIRST FLOW		693.0			
C	FINAL FIRST FLOW		739.1	15.0	15.8	F
C	INITIAL FIRST CLOSED-IN		739.1			
D	FINAL FIRST CLOSED-IN		1435.1	32.0	31.5	C
E	INITIAL SECOND FLOW		745.4			
F	FINAL SECOND FLOW		855.8	60.0	60.3	F
F	INITIAL SECOND CLOSED-IN		855.8			
G	FINAL SECOND CLOSED-IN		1433.4	120.0	119.4	C
H	FINAL HYDROSTATIC		2266.9			

1606 40

036000



575465-1605

GAUGE NO: 1605 DEPTH: 4951.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2325	2381.6			
B	INITIAL FIRST FLOW	760	742.6			
C	FINAL FIRST FLOW	825	777.9	15.0	15.8	F
C	INITIAL FIRST CLOSED-IN	825	777.9			
D	FINAL FIRST CLOSED-IN	1477	1474.3	32.0	31.5	C
E	INITIAL SECOND FLOW	758	782.6			
F	FINAL SECOND FLOW	858	895.0	60.0	60.3	F
F	INITIAL SECOND CLOSED-IN	858	895.0			
G	FINAL SECOND CLOSED-IN	1445	1473.6	120.0	119.4	C
H	FINAL HYDROSTATIC	1998	2288.8			

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EQUIPMENT & HOLE DATA

FORMATION TESTED: MARAMATON

NET PAY (ft): 46.0

GROSS TESTED FOOTAGE: 60.0 PACKER TO T.D.

ALL DEPTHS MEASURED FROM: G.L.

CASING PERFS. (ft):

HOLE OR CASING SIZE (in): 7.875

ELEVATION (ft): 3138.0

TOTAL DEPTH (ft): 4954.0

PACKER DEPTH(S) (ft): 4889, 4894

FINAL SURFACE CHOKE (in):

BOTTOM HOLE CHOKE (in): 0.750

MUD WEIGHT (lb/gal): 9.10

MUD VISCOSITY (sec): 35

ESTIMATED HOLE TEMP. (°F):

ACTUAL HOLE TEMP. (°F): 120 @ 4949.0 ft

TICKET NUMBER: 57546500

DATE: 04-12-94 TEST NO: 1

TYPE DST: OPEN HOLE

FIELD CAMP:

LIBERAL

TESTER: ARMSTRONG
TAYLOR

WITNESS: TERRY LEWIS

DRILLING CONTRACTOR:

G - J

FLUID PROPERTIES FOR
RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
TOP	1.020 @ 80 °F	3899 ppm
MIDDLE	1.020 @ 80 °F	3899 ppm
BOTTOM	0.063 @ 80 °F	95570 ppm
PIT	0.370 @ 80 °F	2785 ppm
SAMPLER	0.061 @ 80 °F	97475 ppm
	@ °F	ppm

SAMPLER DATA

P_{sig} AT SURFACE: 668.0

cu.ft. OF GAS: _____

cc OF OIL: _____

cc OF WATER: _____

cc OF MUD: _____

TOTAL LIQUID cc: 2240.0

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ _____ °F

GAS/OIL RATIO (cu.ft. per bbl): 2240

GAS GRAVITY: _____

CUSHION DATA

TYPE AMOUNT WEIGHT

RECOVERED:

1070 FT. OF MUD

628 FT. OF SALTWATER

MEASURED FROM
TESTER VALVE

REMARKS:

THE INITIAL DOWNHOLE FLOW PRESSURE (POINT "B") INDICATES THAT A SIGNIFICANT AMOUNT OF FLUID WAS ALREADY IN THE PIPE PRIOR TO THE OPENING OF THE TOOLS.

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987

TYPE & SIZE MEASURING DEVICE: _____ TICKET NO: 57546500

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
04-12-94					
0145					RECEIVED CALL TO BE ON LOCATION
					AT 05:00 HRS
0445					ON LOCATION; RIG PULLING PIPE;
					TESTING TRUCK BECAME STUCK; HAD TO
					WAIT ON CAT
0600					CAT ON LOCATION
0630					PICKED UP TOOLS
0715					TOOLS READY FOR DRILL COLLARS
0725					STARTED IN THE HOLE
0935					RIGGED UP SWIVEL
0948					ON BOTTOM WITH TOOLS
0950	B.H.				TOOL OPENED THRU 1/4" BUBBLE HOSE
0954	B.H.				BLOW 2 1/2" IN BUCKET; NO GAS
1005	B.H.				CLOSED TOOL WITH BLOW 8" IN THE
					BUBBLE BUCKET AND NO GAS
1037	B.H.				OPENED TOOL WITH BLOW 1" OFF BOTTOM
					OF BUBBLE BUCKET
1137	B.H.				PULLED TOOL OFF BOTTOM; NO GAS
1445					TOOLS AT TABLE
1450					BROKE TOOLS DOWN AND LOADED OUT
1500					READ CHART

ORIGINAL

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TICKET NO: 57546500
 CLOCK NO: 17524 HOUR: 24

GAUGE NO: 1606
 DEPTH: 4875.9

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta P}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	693.0			
2	2.0	699.6	6.7		
3	4.0	707.6	7.9		
4	6.0	714.1	6.5		
5	8.0	718.9	4.9		
6	10.0	724.3	5.4		
7	12.0	728.8	4.5		
8	14.0	732.7	3.9		
C 9	15.8	739.1	6.3		
FIRST CLOSED-IN					
C 1	0.0	739.1			
2	1.0	1245.0	505.9	0.9	1.224
3	2.0	1313.8	574.8	1.8	0.954
4	3.0	1337.9	598.9	2.5	0.796
5	4.0	1354.2	615.2	3.2	0.594
6	5.0	1365.5	626.5	3.8	0.620
7	6.0	1375.2	636.2	4.3	0.561
8	7.0	1381.7	642.6	4.8	0.515
9	8.0	1388.1	649.1	5.3	0.475
10	9.0	1394.6	655.5	5.7	0.441
11	10.0	1399.3	660.2	6.1	0.412
12	12.0	1406.9	667.8	6.8	0.364
13	14.0	1413.0	674.0	7.4	0.329
14	16.0	1417.5	678.5	7.9	0.299
15	18.0	1421.2	682.2	8.4	0.274
16	20.0	1424.3	685.3	8.8	0.253
17	22.0	1426.9	687.8	9.2	0.235
18	24.0	1429.3	690.3	9.5	0.220
19	26.0	1430.9	691.9	9.8	0.206
20	28.0	1432.6	693.5	10.1	0.195
21	30.0	1434.0	694.9	10.4	0.184
D 22	31.5	1435.1	696.1	10.5	0.177
SECOND FLOW					
E 1	0.0	745.4			
2	5.0	752.5	7.1		
3	10.0	763.4	10.9		
4	15.0	773.9	10.5		
5	20.0	783.6	9.9		
6	25.0	793.4	9.6		
7	30.0	803.0	9.6		
8	35.0	812.0	9.1		
9	40.0	820.2	8.1		
10	45.0	829.9	9.7		
11	50.0	838.2	8.3		
12	55.0	846.9	8.8		
F 13	60.3	855.8	8.9		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta P}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN					
F 1	0.0	655.8			
2	1.0	1278.6	420.8	1.0	1.891
3	2.0	1313.0	457.2	1.9	1.602
4	3.0	1327.4	471.6	2.9	1.425
5	4.0	1339.7	483.9	3.8	1.302
6	5.0	1347.9	492.1	4.7	1.214
7	6.0	1355.8	500.0	5.5	1.138
8	7.0	1362.1	506.3	6.4	1.075
9	8.0	1367.0	511.2	7.2	1.024
10	9.0	1372.0	516.2	8.1	0.975
11	10.0	1376.2	520.4	8.8	0.935
12	12.0	1382.8	527.0	10.3	0.867
13	14.0	1388.3	533.1	11.8	0.809
14	16.0	1393.6	537.8	13.3	0.759
15	18.0	1397.0	541.2	14.6	0.718
16	20.0	1400.4	544.6	15.8	0.682
17	22.0	1403.0	547.2	17.1	0.649
18	24.0	1405.3	549.4	18.2	0.620
19	26.0	1408.2	552.3	19.4	0.595
20	28.0	1409.9	554.1	20.5	0.570
21	30.0	1411.4	555.6	21.5	0.549
22	35.0	1415.1	559.3	24.0	0.502
23	40.0	1418.0	562.2	26.2	0.463
24	45.0	1420.3	564.5	28.3	0.430
25	50.0	1422.1	566.2	30.2	0.402
26	55.0	1423.5	567.7	31.9	0.377
27	60.0	1424.9	569.0	33.6	0.356
28	70.0	1427.2	571.4	36.5	0.320
29	80.0	1428.5	572.7	39.0	0.290
30	90.0	1430.1	574.3	41.2	0.261
31	100.0	1430.5	574.6	43.2	0.241
32	110.0	1431.7	575.9	45.0	0.222
G 33	119.4	1433.4	577.5	46.5	0.212

REMARKS:

TICKET NO: 57546500
 CLOCK NO: 17524 HOUR: 24

GAUGE NO: 1606
 DEPTH: 4875.9

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7	6.0	1375.2	636.2	4.3	0.561
8	7.0	1381.7	642.6	4.8	0.515
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12	12.0	1406.9	667.8	6.8	0.364
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6	25.0	793.4	9.6		
7	30.0	803.0	9.6		
8	35.0	812.0	9.1		
9	40.0	820.2	8.1		
10	45.0	829.9	9.7		
11	50.0	838.2	8.3		
12	55.0	846.9	8.8		
F 13	60.3	855.8	8.9		

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN					
F 1	0.0	855.8			
2	1.0	1276.6	420.8	1.0	1.89
3	2.0	1313.0	457.2	1.9	1.60
4	3.0	1327.4	471.6	2.9	1.42
5	4.0	1339.7	483.9	3.8	1.30
6	5.0	1347.9	492.1	4.7	1.21
7	6.0	1355.8	500.0	5.5	1.13
8	7.0	1362.1	506.3	6.4	1.07
9	8.0	1367.0	511.2	7.2	1.02
10	9.0	1372.0	516.2	8.1	0.97
11	10.0	1376.2	520.4	8.8	0.93
12	12.0	1382.8	527.0	10.3	0.86
13	14.0	1388.9	533.1	11.8	0.80
14	16.0	1393.6	537.8	13.3	0.75
15	18.0	1397.0	541.2	14.6	0.71
16	20.0	1400.4	544.6	15.8	0.68
17	22.0	1403.0	547.2	17.1	0.64
18	24.0	1405.3	549.4	18.2	0.62
19	26.0	1408.2	552.3	19.4	0.59
20	28.0	1409.9	554.1	20.5	0.57
21	30.0	1411.4	555.6	21.5	0.54
22	35.0	1415.1	559.3	24.0	0.50
23	40.0	1418.0	562.2	26.2	0.46
24	45.0	1420.3	564.5	28.3	0.43
25	50.0	1422.1	566.2	30.2	0.40
26	55.0	1423.5	567.7	31.9	0.37
27	60.0	1424.8	569.0	33.6	0.35
28	70.0	1427.2	571.4	36.5	0.32
29	80.0	1428.5	572.7	39.0	0.29
30	90.0	1430.1	574.3	41.2	0.26
31	100.0	1430.5	574.5	43.2	0.24
32	110.0	1431.7	575.9	45.0	0.22
G 33	119.4	1433.4	577.5	46.5	0.21

REMARKS:

CONFIDENTIAL

TICKET NO: 57546500
CLOCK NO: 17529 HOUR: 24

GAUGE NO: 1605
DEPTH: 4951.0

















7
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809
759
718
682
649
620
595
570
549
502
463
430
402
377
356
320
290
266
246
228
14

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	742.6			
2	2.0	744.2	1.6		
3	4.0	754.6	10.3		
4	6.0	755.7	1.1		
5	8.0	762.0	6.2		
6	10.0	765.6	3.6		
7	12.0	767.0	1.5		
8	14.0	772.1	5.1		
C 9	15.8	777.9	5.7		
FIRST CLOSED-IN					
C 1	0.0	777.9			
2	1.0	1354.8	576.9	0.9	1.240
3	2.0	1375.9	598.0	1.7	0.957
4	3.0	1394.6	616.7	2.5	0.799
5	4.0	1408.7	630.8	3.2	0.696
6	5.0	1417.4	639.5	3.8	0.621
7	6.0	1424.9	647.1	4.4	0.560
8	7.0	1431.3	653.5	4.8	0.514
9	8.0	1436.1	658.2	5.3	0.475
10	9.0	1440.8	663.0	5.7	0.441
11	10.0	1444.8	666.9	6.1	0.412
12	12.0	1451.2	673.3	6.8	0.365
13	14.0	1455.9	678.0	7.4	0.328
14	16.0	1460.0	682.1	8.0	0.298
15	18.0	1463.0	685.1	8.4	0.274
16	20.0	1465.4	687.5	8.8	0.253
17	22.0	1467.7	689.8	9.2	0.235
18	24.0	1469.4	691.5	9.5	0.220
19	25.0	1471.2	693.3	9.8	0.206
20	28.0	1472.5	694.6	10.1	0.194
21	30.0	1473.5	695.6	10.3	0.184
D 22	31.5	1474.3	696.4	10.5	0.177
SECOND FLOW					
E 1	0.0	782.6			
2	5.0	792.6	10.0		
3	10.0	803.4	10.8		
4	15.0	813.8	10.3		
5	20.0	824.4	10.7		
6	25.0	833.0	8.5		
7	30.0	842.8	9.9		
8	35.0	851.9	9.0		
9	40.0	860.7	8.9		
10	45.0	869.9	9.2		
11	50.0	878.0	8.0		
12	55.0	886.2	8.2		
F 13	60.3	895.0	8.9		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN					
F 1	0.0	895.0			
2	1.0	1323.3	428.2	1.0	1.902
3	2.0	1356.4	461.4	2.0	1.587
4	3.0	1374.4	479.4	2.8	1.427
5	4.0	1386.6	491.5	3.8	1.303
6	5.0	1396.9	501.9	4.7	1.212
7	6.0	1403.8	508.7	5.6	1.136
8	7.0	1409.4	514.3	6.4	1.075
9	8.0	1414.3	519.2	7.2	1.024
10	9.0	1418.7	523.7	8.0	0.976
11	10.0	1422.6	527.6	8.8	0.936
12	12.0	1428.4	533.3	10.4	0.866
13	14.0	1433.0	537.9	11.8	0.810
14	16.0	1436.7	541.7	13.2	0.761
15	18.0	1439.9	544.8	14.6	0.718
16	20.0	1442.6	547.6	15.9	0.681
17	22.0	1445.6	550.5	17.0	0.650
18	24.0	1447.2	552.2	18.2	0.621
19	25.0	1449.7	554.6	19.4	0.594
20	28.0	1450.8	555.8	20.5	0.571
21	30.0	1452.6	557.6	21.5	0.548
22	35.0	1455.4	560.4	24.0	0.502
23	40.0	1458.2	563.2	26.2	0.463
24	45.0	1460.5	565.5	28.3	0.430
25	50.0	1462.0	566.9	30.2	0.402
26	55.0	1463.6	568.6	31.9	0.377
27	60.0	1465.3	570.2	33.6	0.356
28	70.0	1467.2	572.2	36.5	0.320
29	80.0	1469.4	574.3	39.0	0.290
30	90.0	1470.7	575.6	41.2	0.266
31	100.0	1471.8	576.8	43.2	0.246
32	110.0	1472.6	577.6	45.0	0.228
G 33	119.4	1473.6	578.6	46.5	0.214

ORIGINAL

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	4229.9	
3		DRILL COLLARS.....	6.000	2.500	539.0	
50		IMPACT REVERSING SUB.....	6.000	2.500	1.0	4769.4
3		DRILL COLLARS.....	6.000	2.500	89.0	
5		CROSSOVER.....	6.000	2.500	1.0	
11		HANDLING SUB & CHOKE ASSEMBLY...	4.500	3.500	4.7	
13		DUAL CIP SAMPLER.....	5.000	0.750	4.9	
60		HYDROSPRING TESTER.....	5.000	0.750	5.3	4873.8
80		AP RUNNING CASE.....	5.000	2.250	4.1	4875.9
15		JAR.....	5.000	1.750	5.0	
15		VR SAFETY JOINT.....	5.000	1.000	2.8	
70		OPEN HOLE PACKER.....	6.750	1.530	5.1	4888.8
70		OPEN HOLE PACKER.....	6.750	1.530	5.1	4894.0
20		FLUSH JOINT ANCHOR.....	5.000	2.370	52.0	
83		HT-500 TEMPERATURE CASE.....	5.000		1.0	4949.0
81		BLANKED-OFF RUNNING CASE.....	5.000		4.1	4951.0
		TOTAL DEPTH				4954.0

57546500

PTH

TEMPERATURE RECORDER CHART



10° each circle

59.4

73.8

75.9

88.8

94.0

99.0

101.0

104.0

Indicated Flow Capacity

$$kh = \frac{001637 Q_o I}{m}$$

md-ft

ORIGINAL

Average Effective Permeability

$$kh = \frac{kh}{h}$$

md

Skin Factor

$$S = 1.151 \left[\frac{m(P^*) - m(P)}{m} \text{LOG} \left(\frac{k(t/60)}{\phi \mu c r_w} \right) + 3.23 \right]$$

Damage Ratio

$$DR = \frac{m(P^*) - m(P)}{m(P^*) - m(P)} \cdot 0.87 mS$$

CONFIDENTIAL

Indicated Flow Rate (Maximum)

$$AOF_1 = \frac{Q_o m(P^*)}{m(P^*) - m(P)}$$

MCFD

Indicated Flow Rate (Minimum)

$$AOF_2 = Q_o \sqrt{\frac{m(P^*)}{m(P^*) - m(P)}}$$

MCFD

Approx. Radius of Investigation

$$r = 0.032 \sqrt{\frac{k(t/60)}{\phi \mu c}}$$

ft

Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it but customer agrees that Halliburton shall not be responsible for any damages arising from the use of such information except where due to Halliburton gross negligence or willful misconduct in the preparation of furnishing of information.

CUSTOMER: *Aluminum (P)* WELL NO: *B-1* LEASE: *May R-001* JOB TYPE: *FO Tool*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0600							<i>Time Off</i>
	0930							<i>Time Ready</i>
	0945							<i>Time on Job</i> <i>Log Pump Test</i>
								ORIGINAL
	1000							<i>1 1/2" Tack</i> CONFIDENTIAL
	1008		1/2					<i>Pressure Test</i> <i>Hold</i>
	1013							<i>Pressure Pump</i>
	1020							<i>Set Injection Box</i>
	1026	1 1/2	10			700		<i>Pump into</i>
	1034	2 1/2	4			1500		"
	1037	3	8			2100		"
	1045							<i>Shut Down Check Test</i>
	1050	3				700		<i>Press up Pump into</i>
	1058		29					<i>Shut Down</i>
	1059		20					<i>Start Hold Fluid</i>
	1106		20					<i>Start 2 1/2" KCL</i>
	1112							<i>Start Pump Hold in Cement</i>
	1119		32.7					<i>Fluid Pump Cement</i>
	1125							<i>Start 1" Displacement</i> <i>Cement Pump into 14 BBL</i>
	1125		11					<i>Shut Down</i> <i>String out of Hole</i>
	1126					2000		<i>Pressure</i> <i>FO Tool Shut</i>
	1130							<i>Start Pumping to Pressure out</i>
	1140		16					<i>Shut Down</i>
	1141							<i>Back to Lease</i>
	1145							<i>Find in Job</i>

RELEASED
OCT 26 1995
FROM CONFIDENTIAL

AUG 11
CONFIDENTIAL

Thanks For Calling
Halliburton
Emergency Services
Don

AUG 12 1994



JOB SUMMARY

HALLIBURTON DIVISION
 HALLIBURTON LOCATION

H. Jones
Liberal K

BILLED ON TICKET NO. *67*

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY *Stevenson* STATE *K*

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 *FO Cement* SET AT *3109*

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		<i>153</i>	<i>5 1/2</i>	<i>CL</i>	-	
LINER						
TUBING			<i>2 3/4</i>	<i>KE</i>	<i>3000</i>	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

CONFIDENTIAL

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>4-26</i>	DATE <i>4-26</i>	DATE <i>4-26</i>	DATE <i>4-26</i>
TIME <i>0600</i>	TIME <i>0845</i>	TIME <i>1000</i>	TIME <i>1145</i>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>D. Cook</i>	<i>40075</i>	<i>Liberal K</i>
<i>D. Hunt</i>	<i>59179</i>	<i>Liberal K</i>
<i>E. G. G. I.</i>	<i>4903 / 1848</i>	<i>"</i>
<i>R. L. ...</i>	<i>62229</i>	<i>Stevenson K</i>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENSITY _____

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____

SURFACTANT TYPE _____ GAL. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

RELEASED

OCT 26 1995

FROM CONFIDENTIAL

DEPARTMENT *Cement*

DESCRIPTION OF JOB *Cement FO Tool*

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE *X Jerry Lewis*

HALLIBURTON OPERATOR *Dennis ...*

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<i>100</i>	<i>6 3/8 Poz</i>	<i>Pozem</i>	<i>66 Total Gal</i>	<i>nil</i>	<i>1.214</i>	<i>12.7</i>

CONFIDENTIAL

AUG 1 1994

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

SUMMARY

VOLUMES

PRELUSH: BBL.-GAL. *57.3*

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. *11.14*

CEMENT SLURRY: BBL.-GAL. *32.77*

TOTAL VOLUME: BBL.-GAL. _____

REMARKS *NON-COMMISSION*

AUG 1 2 1994

CONSERVATION DIVISION

LEASE *...*
 WELL NO. *R-1*
 JOB TYPE *FO Tool*
 DATE *4-26-94*



CHANGE TO: Anderson Petroleum Corp
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

COPY _____ TICKET No. **677363 - 5**
 PAGE 1 OF 1

FORM 1906 R-13

SERVICE LOCATIONS <u>1-255140 Lusco LK</u> <u>2-25535 Hguta LK</u>	WELL/PROJECT NO. <u>B-1</u>	LEASE <u>Mon Borey</u>	COUNTY/PARISH <u>Stevens</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>4-26-94</u>	OWNER <u>Anderson</u>
TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Ret Well Services</u>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO <u>Loc</u>	ORDER NO.	
3. WELL TYPE	WELL CATEGORY <u>CRDR</u>	JOB PURPOSE <u>Cent FOTech ReConstr</u>	WELL PERMIT NO.	WELL LOCATION <u>W of Hguta</u>			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DR							
000-111		1			MILEAGE	4	Miles	X	12	2.75	27.00
009-019		1			Pump charge	3009	FT				11445.00
018-3		1			Mud Flush	840	BL			.65	546.00
ORIGINAL		CONFIDENTIAL		RELEASED OCT 26 1995 FROM CONFIDENTIAL		NOV AUG 11		CONFIDENTIAL			

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: X Terry Lewis
 DATE SIGNED: _____ TIME SIGNED: _____ A.M. P.M.

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS: PULLED & RETURN PULLED RUN

TYPE LOCK	DEPTH	SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <u>3013</u>	
BEAN SIZE	SPACERS	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					FROM CONTINUATION PAGE(S) <u>1050</u>
TYPE OF EQUALIZING SUB.	CASING PRESSURE	WE UNDERSTOOD AND MET YOUR NEEDS?					
TUBING SIZE	TUBING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WELL DEPTH		WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <u>3063</u>	
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO					
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND							

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>Terry Lewis</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X Terry Lewis</u>	HALLIBURTON OPERATOR/ENGINEER <u>Daniel Lopez</u>	EMP # <u>59179</u>	HALLIBURTON APPROVAL <u>w/ Dis. 2358.51</u>
---	--	--	-----------------------	--

services are provided
or state statute to the extent
provision is made in 1911 R-9
Houston, Texas



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

COPY

160

TICKET No. 677363

CUSTOMER Anadarko Petroleum corp.	WELL Mayberry #B-1	DATE 04-26-94	PAGE OF 2 2
--------------------------------------	-----------------------	------------------	----------------

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-118					Halliburton Light Cement	100	sk			8.40	840.00
504-043	516.00272										
506-105	516.00286										
506-121	516.00259										
<p>ORIGINAL</p> <p>CONFIDENTIAL</p> <p>RELEASED OCT 26 1995 FROM CONFIDENTIAL</p> <p>NOV AUG 11 CONFIDENTIAL</p> <p>AUG 1 1994 COMPETITION DIVISION</p>											
500-207					SERVICE CHARGE			CUBIC FEET			
500-306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES			
					9222	4	18.444				

CONTINUATION TOTAL 1050.00

JOB LOG FORM 2013 R-4

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Anadarko Hts.		B-1		May Bross		035		573217	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	07:50							Callout	
	10:30							out hole	
	11:30							5412 5% CSG in Hole	
	14:00							TD - 400' - 25' (in Hole)	
								ORIGINAL	
	15:15	6					255	20 ^{bbl} 2% KCL H ₂ O	
		"	20						
		"					300	30 ^{bbl} mud flush	
		"	30						
		"						20 ^{bbl} 2% KCL H ₂ O	
		"	20						
	15:36	"						50 ^{sk} 4% _{3/4} Poz mix	
		"	30						
								300 ^{sk} Th. 2 1/2" H' 1/2" Flashed	
	15:47	"	75.5					5% KCL	
	15:56							Stop which up to 20' - 20' Plac	
	16:00	78"					110	Start Drilling H ₂ O	
							250		
		6	110				350	RELEASED	
		5	120				430		
		"	130				550	OCT 2 6 1995	
		3	140				630	FROM CONFIDENTIAL	
	16:15	"	145.7				300	Play Down Release back to PI + 4 1/2'	
								nuc	
								AUG 11	
								CONFIDENTIAL	
								Thank you! Tim & Crew	



WELL DATA

FIELD _____ SEC. 12 TWP. 30S RING. 280 COUNTY Stearns STATE KE

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 PWD MUD WT. 29
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH 6500

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAXIMUM PSI ALLOWABLE. Rows: CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

JOB DATA

TOOLS AND ACCESSORIES table with columns: TYPE AND SIZE, QTY., MAKE. Rows: FLOAT COLLAR, FLOAT SHOE, GUIDE SHOE, CENTRALIZERS, BOTTOM PLUG, TOP PLUG, HEAD, PACKER, OTHER.

Table with columns: CALLED OUT DATE, ON LOCATION DATE, JOB STARTED DATE, JOB COMPLETED DATE. Includes times.

PERSONNEL AND SERVICE UNITS

Table with columns: NAME, UNIT NO. & TYPE, LOCATION. Lists personnel like Tim Behanna, S Tate, D Hamilton, R Garrison.

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. API
DISPL. FLUID _____ DENSITY _____ LB./GAL. API
PROP. TYPE _____ SIZE _____ LB.
ACID TYPE _____ GAL. _____ %
SURFACTANT TYPE _____ GAL. _____ IN
NE AGENT TYPE _____ GAL. _____ IN
FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN
GELLING AGENT TYPE _____ GAL.-LB. _____ IN
FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN
BREAKER TYPE _____ GAL.-LB. _____ IN
BLOCKING AGENT TYPE _____ GAL.-LB. _____
PERFPAC BALLS TYPE _____ QTY. _____
OTHER _____

ORIGINAL

RELEASED

DEPARTMENT 8001 LHM DATE 2 6 1995

DESCRIPTION OF JOB: DZ FROM CONFIDENTIAL

JOB DONE THRU: TUBING [] CASING [X] ANNULUS [] TBG./ANN. []

CUSTOMER REPRESENTATIVE X Terry Lewis

HALLIBURTON OPERATOR Tim Behanna COPIES REQUESTED _____

CEMENT DATA

Table with columns: STAGE, NUMBER OF SACKS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD CU.FT./SK., MIXED LBS./GAL. Includes handwritten notes like 'nuc' and 'AUG 11'.

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL-GAL. 20, 30, 20 TYPE 2800
BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 1117
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL-GAL. 10 + 755
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ AVERAGE RATES IN BPM
TREATING _____ DISPL. _____ OVERALL _____ CEMENT LEFT IN PIPE
REASON: Stage II

Station is made in Houston Texas - State to the extent

CUSTOMER LEASE WELL NO. JOB TYPE DATE



CHARGE TO: Amundson Petroleum Corp.
 ADDRESS:
 CITY, STATE, ZIP CODE:

COPY: _____ TICKET No. **575217 - 5**
 PAGE 1 OF 1

FORM 1906 R-13

SERVICE LOCATIONS	WELL/PROJECT NO. <u>B-1</u>	LEASE <u>May Berry</u>	COUNTY/PARISH <u>Stevens</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>4-17-94</u>	OWNER <u>So. Co.</u>
1. <u>Amundson Petroleum Corp.</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>CRJ</u>	RIG NAME/NO. <u>5</u>	SHIPPED VIA	DELIVERED TO <u>W. Hightower</u>	ORDER NO.
2. <u>Amundson Petroleum Corp.</u>	<input type="checkbox"/> SALES		WELL TYPE <u>02</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>035</u>	WELL PERMIT NO.	WELL LOCATION <u>12-233-281</u>
3.							
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117					MILEAGE	6	hr	11	EA		16.50
001-016	ORIGINAL CONFIDENTIAL				Pump Change	6328	ET	6	hr		1,955.00
030-015					5-w Plug	5	in	1	EA		65.00
218-738					Clay Fix II	4	gal	1	EA	24.00	96.00
018-315					Mod Flush	1260	gal	1	EA	1.45	819.00
350	810.10802				Weld A	1	hr	11	EA		14.50
12 A	815.19251				Guide Shoe Reg	5	hr	1	EA		12.10
24 A	815.19251				Insert Flange	5	hr	1	EA		11.00
27	815.17311				Pill - 1/2"assy	5	hr	1	EA		46.50

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: X Terry Lewis

DATE SIGNED: 4-17-94 TIME SIGNED: 10:30 A.M. P.M.

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		SURVEY.		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					9,691
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					APPLICABLE TAXES WILL BE ADDED ON INVOICE
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO					
		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>Terry Lewis</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X Terry Lewis</u>	HALLIBURTON OPERATOR/ENGINEER <u>Tim Bohannon 81107</u>	EMP #	HALLIBURTON APPROVAL
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HALLIBURTON ENERGY SERVICES

CUSTOMER APC	WELL Mayberry	DATE 4-17-94	PAGE 105	OF 1
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FORM 1911 R-9

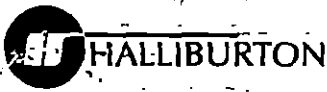
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-043	516.00272				Premium Cement	300	sk			9.44	2832.00
504-120					Halliburton Light Cement	50	sk			8.75	437.50
504-000	516.00265										
506-105	516.00286										
506-121	516.00259										
507-210	890.50071				Flocele 1/4/350sk	75	lb			140	105.00
508-002	70.15302				KCL 5#/300sk	1410	lb			27	380.70
508-101	70.15347				Thixset A 1#/300sk	282	lb			5.35	1508.70
508-103	516.00541				Thixset B 1/4/300sk	70	lb			9.45	661.50
500-207					SERVICE CHARGE	CUBIC FEET		355		135	479.25
500-306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES			
						34648	3	51.97		95	49.37

CONFIDENTIAL
ORIGINAL
RELEASED
OCT 26 1995
FROM CONFIDENTIAL

n.w.

AUG 11
CONFIDENTIAL

CONTINUATION TOTAL	6175
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JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

OKC

LEWIS & CLARK

BILLED ON 5-7540
TICKET NO.

WELL DATA

FIELD _____ SEC 12 TWP. 333 RNG. 380 COUNTY STEVENS STATE KS

FORMATION NAME _____ TYPE _____	NEW/USED _____	WEIGHT _____	SIZE _____	FROM _____	TO _____	MAXIMUM PSI ALLOWABLE _____
FORMATION THICKNESS _____ FROM _____ TO _____	CASING _____	<u>24</u>	<u>8518</u>	<u>GC</u>	<u>1685</u>	
INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____	LINER _____					
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____	TUBING _____					
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____	OPEN HOLE _____					SHOTS/FT. _____
PACKER TYPE _____ SET AT _____	PERFORATIONS _____	CONFIDENTIAL				
BOTTOM HOLE TEMP. _____ PRESSURE _____	PERFORATIONS _____					
MISC. DATA _____ TOTAL DEPTH <u>1685</u>	PERFORATIONS _____					

JOB DATA

TOOLS AND ACCESSORIES			CALLER OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
TYPE AND SIZE	QTY.	MAKE	DATE	DATE	DATE	DATE
<u>INJECT Float</u>	<u>1</u>	<u>Hawco</u>	<u>4-6-94</u>	<u>4-6-94</u>	<u>4-6-94</u>	<u>4-6-94</u>
FLOAT SHOE			TIME <u>0600</u>	TIME <u>0900</u>	TIME <u>1137</u>	TIME <u>1230</u>

NAME	UNIT NO. & TYPE	LOCATION
<u>W. Fox</u>	<u>04437</u>	<u>40078</u>
<u>H. Tedder</u>	<u>56623</u>	<u>5560</u>
<u>R. MADRINEZ</u>	<u>92731</u>	<u>7620</u>
<u>CASPER</u>	<u>0000</u>	<u>75505</u>
		<u>841K</u>

ORIGINAL MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API _____

DISPL. FLUID _____ DENSITY _____ LB/GAL. API _____

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

SURFACTANT TYPE _____ GAL _____ IN

NE AGENT TYPE _____ GAL _____ IN

FLUID LOSS ADD. TYPE _____ GAL-LB _____ IN

GELLING AGENT TYPE _____ GAL-LB _____ IN

FRIC. RED. AGENT TYPE _____ GAL-LB _____ IN

BREAKER TYPE _____ GAL-LB _____ IN

BLOCKING AGENT TYPE _____ GAL-LB _____

PERFRAC BALLS TYPE _____ QTY _____

OTHER _____

OTHER _____

PERSONNEL AND SERVICE UNITS

DEPARTMENT CEMENT

DESCRIPTION OF JOB 898-SHARP

RELEASED

AUG 1 1995

FROM CONFIDENTIAL

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN

CUSTOMER REPRESENTATIVE Weston

HALLIBURTON OPERATOR _____

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>600</u>	<u>5050 A2</u>			<u>2 1/2% CEL / 2% BCC / 1/4" Floxite</u>	<u>1.43</u>	<u>13.6</u>
<u>2</u>	<u>200</u>	<u>Pima</u>			<u>2% BCC</u>	<u>1.06</u>	<u>16.4</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 _____

RATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

REASON SHOE JOINT

SUMMARY

VOLUMES

PRESLUSH: BBL-GAL _____ TYPE _____

LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____

TREATMENT: BBL-GAL _____ DISPL. BBL-GAL 105

CEMENT SLURRY: BBL-GAL 190.2

TOTAL VOLUME: BBL-GAL 381.6

REMARKS

CUSTOMER _____ LEASE W&L LEASE WELL NO. 5-1 JOB TYPE 8513-SHARP DATE 4-6-94

CHARGE TO: Analyst
 ADDRESS: Analyst
 CITY, STATE, ZIP CODE: _____

COPY _____

TICKET No. **575410 - 0**

PAGE 1 OF _____

FORM 1906 R-13

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY/OFFSHORE LOCATION	DATE	OWNER
1. <u>L. ...</u>	<u>R-1</u>	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>
2. <u>...</u>	TICKET TYPE	NITROGEN JOB?	CONTRACTOR	RIG NAME NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.
3.	<input type="checkbox"/> SERVICE	<input type="checkbox"/> YES	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>
4.	<input type="checkbox"/> SALES	<input type="checkbox"/> NO	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>
REFERRAL LOCATION	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>		
INVOICE INSTRUCTIONS							
<u>...</u>							

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OCT 26 1995
FROM CONFIDENTIAL

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AUG 11

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING LOC ACCT DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
<u>000-47</u>			MILEAGE <u>5000</u>	<u>1</u>	<u>hr</u>	<u>35</u>	<u>hr</u>	<u>2.75</u>	<u>96.25</u>
<u>001-216</u>			<u>Ring Plug</u>	<u>6</u>	<u>hr</u>	<u>16.00</u>	<u>hr</u>		<u>1220.00</u>
<u>030-018</u>			<u>Sw. pit Plug</u>	<u>1</u>	<u>hr</u>	<u>8.00</u>	<u>hr</u>		<u>130.00</u>
<u>12A</u>	<u>875.217</u>		<u>Guide Shoe</u>	<u>1</u>	<u>hr</u>	<u>8.00</u>	<u>hr</u>		<u>216.00</u>
<u>24A</u>	<u>815.19572</u>		<u>Insect Trap</u>	<u>1</u>	<u>hr</u>				<u>171.00</u>
<u>27</u>	<u>816.19115</u>		<u>Fillet</u>	<u>1</u>	<u>hr</u>				<u>55.00</u>
<u>4.)</u>	<u>807.93259</u>		<u>Centrifuges</u>	<u>3</u>	<u>hr</u>			<u>72.00</u>	<u>216.00</u>
<u>352</u>	<u>802.12827</u>		<u>Weld</u>	<u>1</u>	<u>hr</u>				<u>14.00</u>
<u>320</u>	<u>802.1538</u>		<u>Basket</u>	<u>1</u>	<u>hr</u>				<u>122.00</u>

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE
X _____

DATE SIGNED _____ TIME SIGNED _____

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK _____ DEPTH _____

BEAN SIZE _____ SPACERS _____

TYPE OF EQUALIZING SUB. _____ CASING PRESSURE _____

TUBING SIZE _____ TUBING PRESSURE _____ WELL DEPTH _____

TREE CONNECTION _____ TYPE VALVE _____

SURVEY:

AGREE _____ UN-DECIDED _____ DIS-AGREE _____

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 2240

FROM CONTINUATION PAGE(S) 2230

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 10470

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) X _____

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) WLD Fd

HALLIBURTON OPERATOR/ENGINEER EMP # 04157

HALLIBURTON APPROVAL _____

statute to the extent
 made in w
 n, Texas 72



HALLIBURTON

HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

COPY

418

TICKET No. 575410

CUSTOMER Anadarko WELL Mayberry B-1 DATE 4-6-94 PAGE OF

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
504-043	516.00272				Premium Cement	200	sk			9 44	1,888	00
504-131					Premium 50/50 Pozmix Cement	600	sk			7 20	4,320	00
504-043	516.00272				Premium Cement							
506-105	516.00286				Pozmix "A" (300)							
506-121	616.00259				Halliburton Gel (2%)							
507-277	516.00259				Halliburton Gel added 2%	10	sk			15 50	155	00
507-210	890.50071				Flocele B/ 1/2# W/ 600	150	lb			1 40	210	00
509-406	890.50812				Calcium Chloride B/ 2% W/ 800	14	sk			28 25	395	50

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 OCT 26 1995
 FROM CONFIDENTIAL

500-207					SERVICE CHARGE					CUBIC FEET	858	1 35	1,158 30
500-306					MILEAGE CHARGE	TOTAL WEIGHT	72,473	LOADED MILES	3	TON MILES	108.710	95	103 28

CONTINUATION TOTAL 2230