BEFORE THE ARKANSAS OIL AND GAS COMMISSION

IN THE MATTER OF THE APPLICATION OF
JAMES LANGLEY OPERATING COMPANY, INC.
FOR AN ORDER ESTABLISHING FIELD RULES
AND CREATING DRILLING UNITS FOR PRODUCTION OF
PETROLEUM HYDROCARBONS FROM THE
SMACKOVER FORMATION ESTABLISHED AS A
SEPARATE SOURCE OF SUPPLY IN APPLICANT'S
LANGLEY-NEELEY NO. 2 WELL LOCATED 2500 FEET
FROM THE NORTH LINE AND 1400 FEET FROM THE
EAST LINE OF SECTION 22, TOWNSHIP 15 SOUTH,
RANGE 16 WEST, OUACHITA COUNTY, ARKANSAS.
DOCKET NO. 087-2011-04

APPLICATION

James Langley Operating Company, Inc., P. O. Box 229, Smackover, AR 71762, respectfully represents to the Arkansas Oil and Gas Commission:

1.

That the Smackover Formation of the Smackover Field, Ouachita County, Arkansas, was established as a separate source of supply by the James Langley Operating Company, Inc., Langley-Neeley No. 2 Well located 2500 feet from the North Line and 1400 feet the East Line of Section 22, Township 15 South, Range 16 West, Ouachita County, Arkansas, being that stratagraphic interval lying between 5224 feet and 5275 feet on the Induction Log of the Langley-Neeley No. 2 Well.

2.

That the following described area in the general vicinity of the aforementioned well should be designated to be the Smackover Field, Smackover Formation, to-wit:

S/2 NE/4 and N/2 SE/4 of Section 22, Township 15 South, Range 16 West, Ouachita County, Arkansas;

and, any automatic extensions thereto.

3.

The establishment of rules and regulations for the Smackover Formation underlying the Smackover Field is reasonably necessary to insure an orderly development, prevent the drilling of unnecessary wells, and protect the correlative rights of all owners.

4.

That a reasonable interpretation of all available geological and engineering data indicates that an oil well successfully completed in the Smackover Formation shall efficiently and economically drain an area consisting of a quarter section.

5.

That the drilling and producing units for the Smackover Formation should be 160 acre units comprised of any four forty acre tracts or quarter quarter sections in the form of a rectangle.

6.

That wells to be drilled upon any drilling unit should be located at least 280 feet from the unit line or such other distance as the Commission may prescribe.

7.

Applicant recommends a minimum of 500 feet of surface casing, and further recommends an allowable of 55 barrels per day.

WHEREFORE, Applicant prays:

1. That an order be entered setting this matter for hearing and that notice be given as required by law;

2. That, after notice and hearing, the Commission enter an order establishing Field Rules for the production of oil from the Smackover Formation underlying the Smackover Field, as defined above, and any automatic extensions thereto.

KEITH & CLEGG
P. O. Box 1029
Magnolia, AR 71754-1029
(870) 234-3550

By: Carolyn J. Clegg
Carolyn J. Clegg, Bar No. 78029

ATTORNEY FOR APPLICANT

JAMES LANGLEY OPERATING COMPANY, INC.

ESTABLISHING FIELD RULES FOR THE SMACKOVER FIELD SMACKOVER FORMATION LANGLEY-NEELEY NO. 2 WELL

S/2 NE/4 AND N/2 SE/4 OF SECTION 22 TOWNSHIP 15 SOUTH, RANGE 16 WEST

OUACHITA COUNTY, ARKANSAS

ARKANSAS OIL AND GAS COMMISSION

Docket Ref. No. 087-2011-04

April 26, 2011

Applicant's List of Exhibits

Exhibit A – Well Location and Unit Plat for the Langley-Neeley No. 2 Well

Exhibit B – Structure Map

Exhibit C – Isopach Map

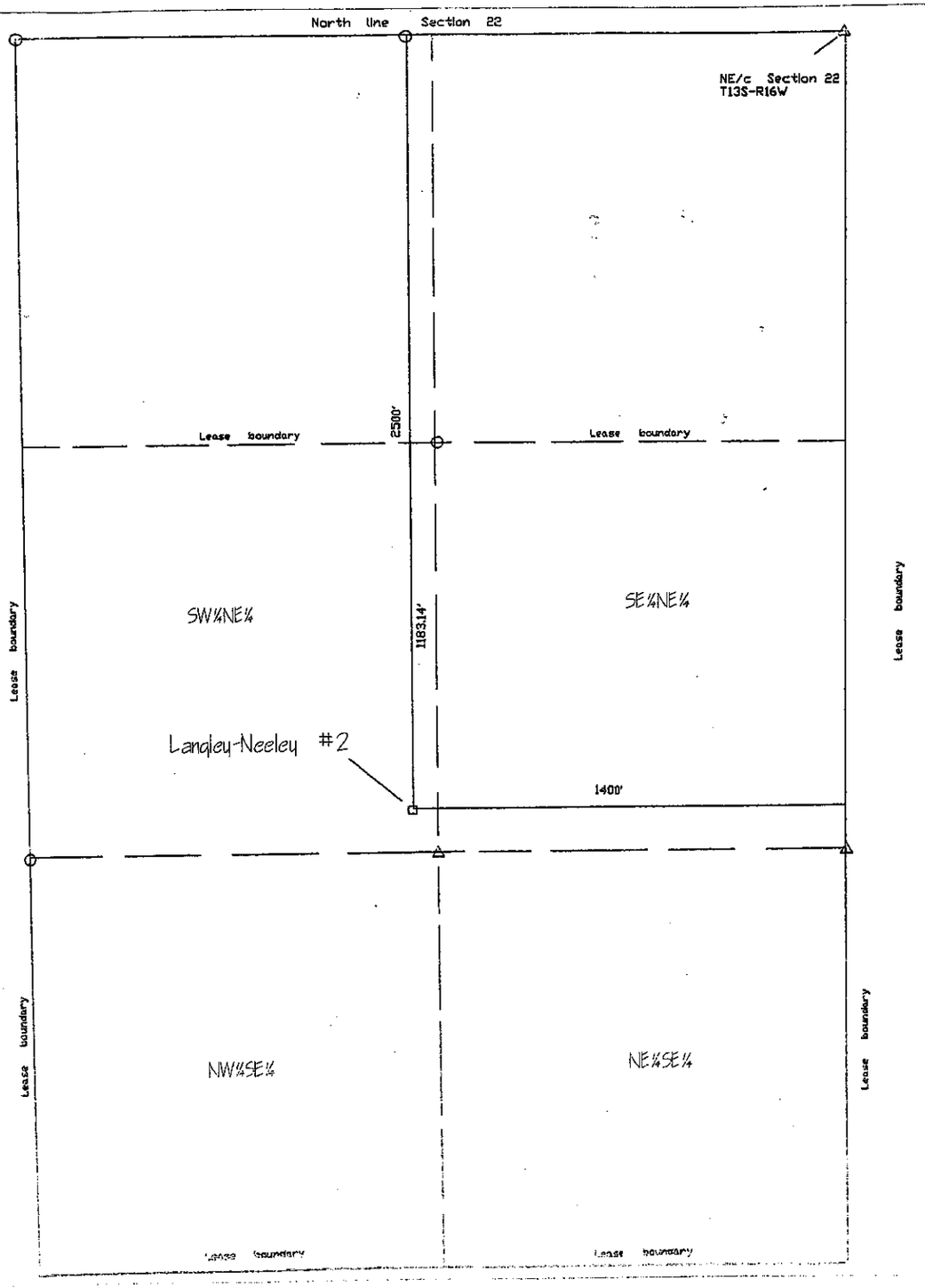
Exhibit D – Type Log for the Langley-Neeley No. 2 Well

Exhibit E – Core Analysis

Exhibit F - List of Interested Parties

Exhibit G - Affidavit of Notice to Interested Parties

Exhibit H - Legal Notice to be published in the Camden News a newspaper in general circulation in Ouachita County, Arkansas



Plat of Well Location for James Langley Operating Company

in SW¼NE¼ Section 22,
Township 15 South, Range 16 West,
Ouachita County, Arkansas

N

0 800
scale in Feet

DOCKET 87-2011-04
Exhibit No. A

Well Name: Langley-Neeley No. 2

Description: 2500 feet from North line and 1400 feet from East line of Section 22, Township 15 South, Range 16 West, Ouachita County, Arkansas

Also described as 1183.14 feet from North line and 1290.02 feet from West line of SW¼NE¼ Section 22, Township 15 South, Range 16 West, Ouachita County, Arkansas

Latitude: N33°24'16.8"
Longitude: W92°44'12.6"

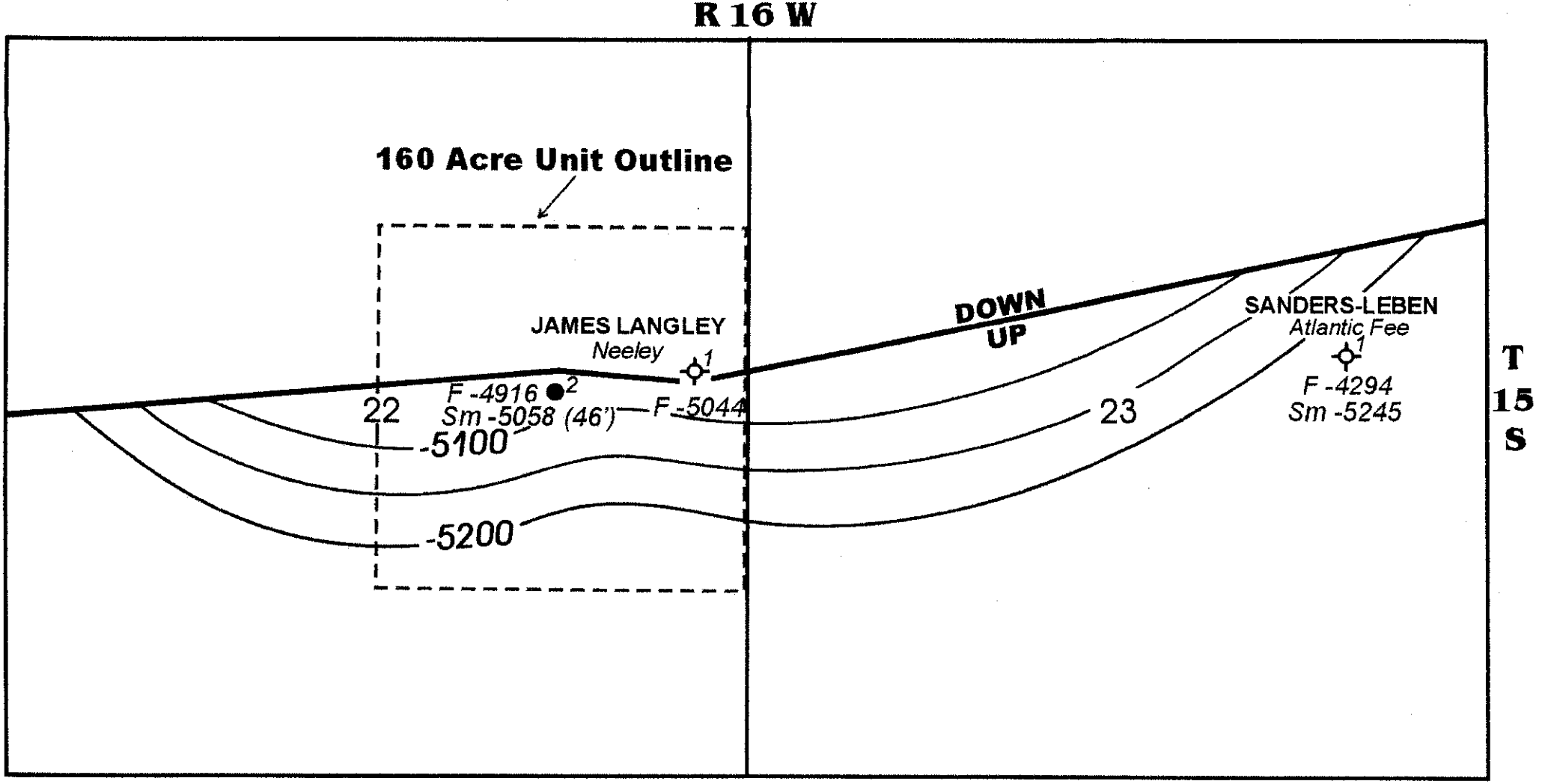
Ground elevation at well location is 152.53 feet above mean sea level.

I certify that on the date shown hereon that I have staked the above well location as shown hereon.

Lamar Kelley, L.S. President
Timberland Surveys, Inc.

Lamar Kelley

Timberland Surveys, Inc.
160 Ouachita 164
Camden, AR 71701
870.837.2916
timberlandsurveys@yahoo.com
drawing title: Langley-Neeley #2
06.14.10
revised 11.08.10



JAMES LANGLEY

Country Club Area

Ouachita County, Arkansas

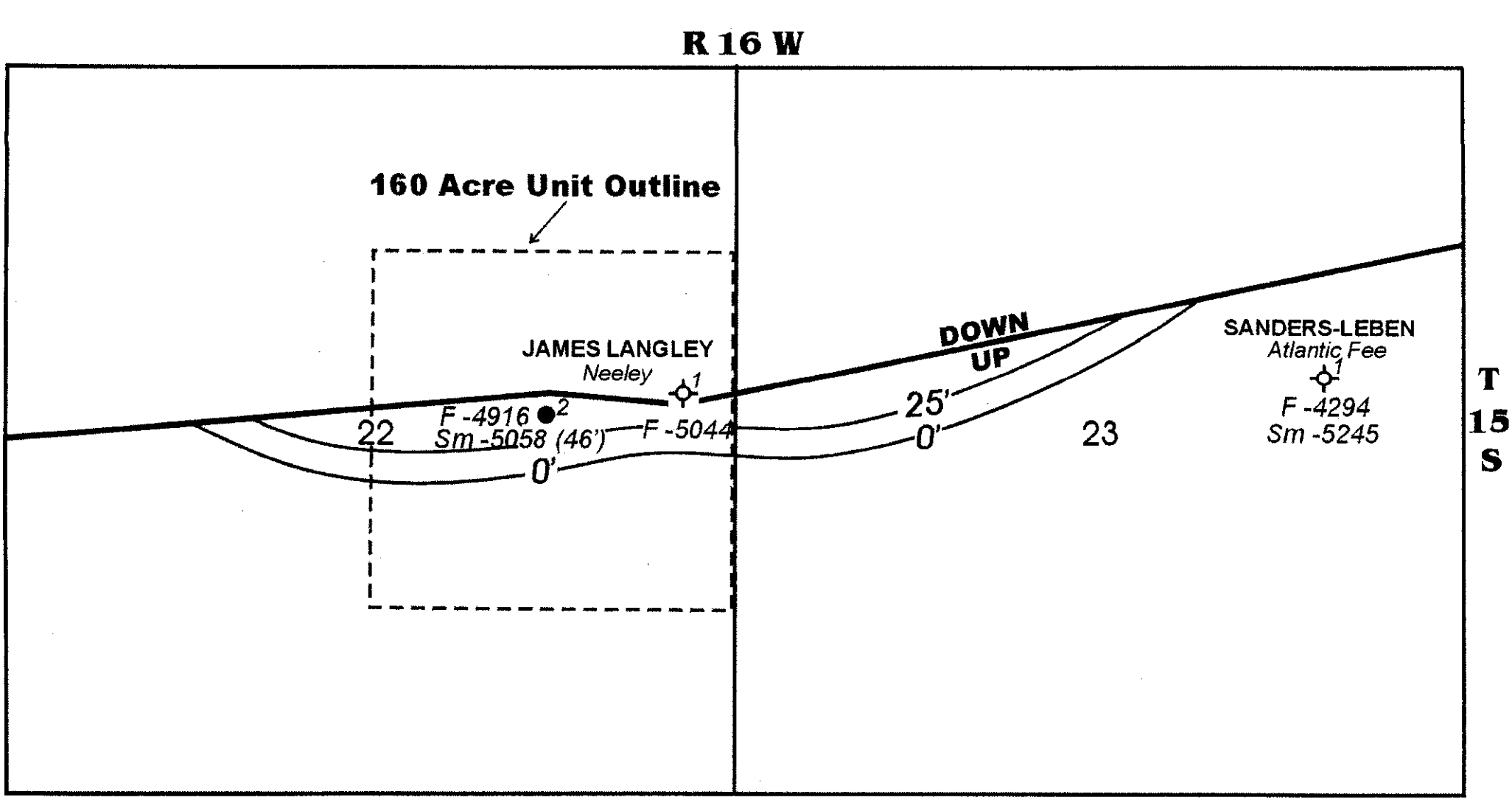
Structure Map Top of Smackover Lime

Only Smackover Depth Wells Shown

C. I. = 50' Scale: 1"=1000'

DOCKET 87-2011-04

EXHIBIT NO. B



JAMES LANGLEY

Country Club Area

Ouachita County, Arkansas

Isopach Map of Smackover Lime

Only Smackover Depth Wells Shown

C. I. = 25' Scale: 1"=1000'

DOCKET 87-2011-04

Exhibit No. C

Schlumberger

Company: **JAMES LANGLEY OPERATING**

Well: **NEELEY #2**

Field: **Smackover (Deep Test)**

County: **OUACHITA** State: **ARKANSAS**

PLATFORM EXPRESS

ARRAY INDUCTION

NEUTRON / DENSITY

87-2011-04

D

County: OUACHITA
Field: Smackover (Deep Test)
Location: 2500' FNL & 1400' FEL of Sec. 22
Well: NEELEY #2
Company: JAMES LANGLEY OPERATING

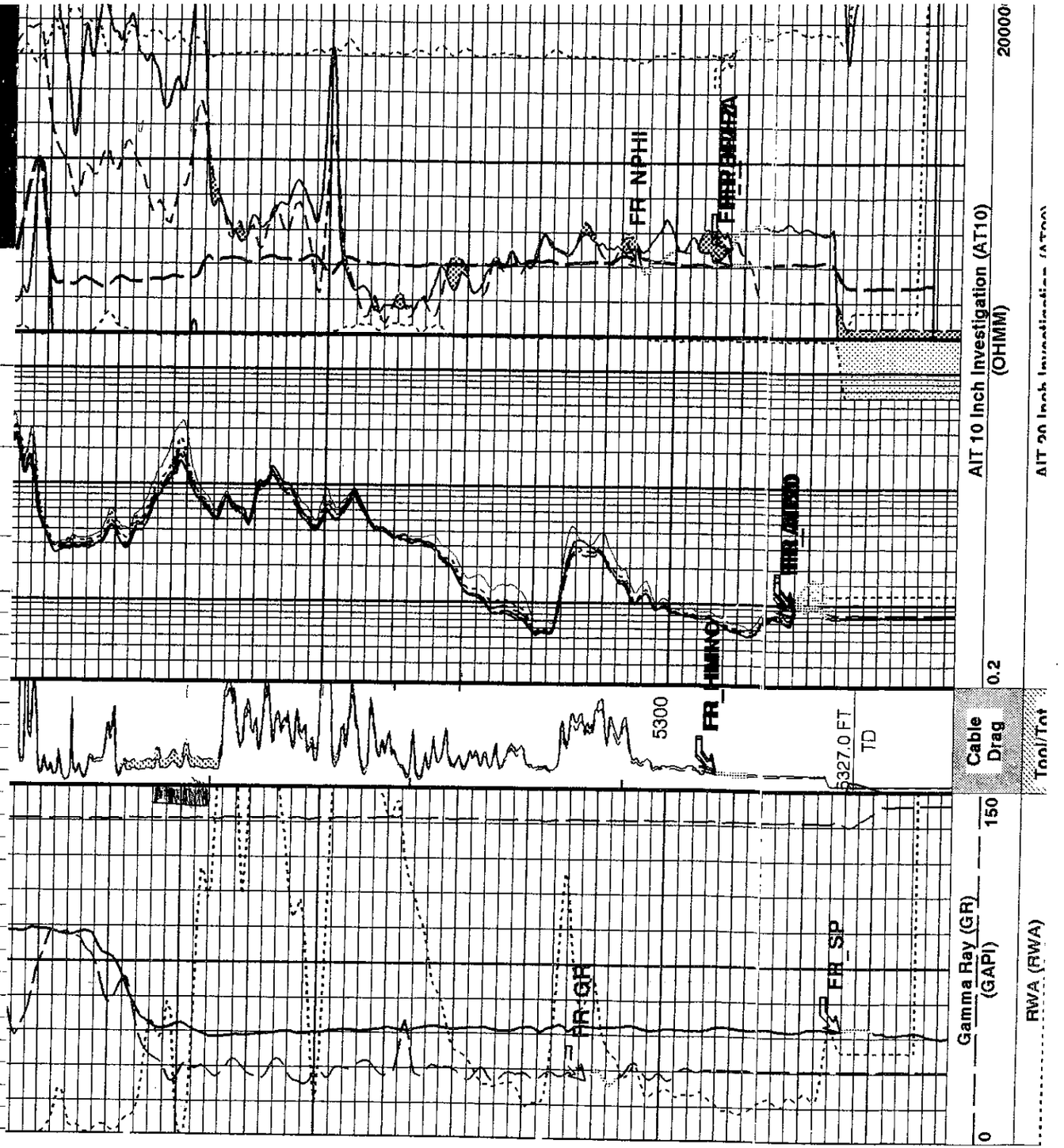
LOCATION: 2500' FNL & 1400' FEL of Sec. 22

Elev.: K.B. 163.70 ft
G.L. 152.70 ft
D.F. 162.70 ft

Permanent Datum: Ground Level — Elev.: 152.70 ft
Log Measured From: Kelly Bushing — 11.00 ft above Perm. Datum
Drilling Measured From: Kelly Bushing

API Serial No.	Section	Township	Range
03-103-11227	22	15S	16W

Logging Date	9-Dec-2010		
Run Number	1		
Depth Driller	5325 ft		
Schlumberger Depth	5327 ft		
Bottom Log Interval	508 ft		
Top Log Interval	2000 ft		
Casing Driller Size @ Depth	8.625 in @ 514 ft	@	
Casing Schlumberger	508 ft		
Bit Size	7.875 in		
Type Fluid In Hole	Water Based Mud		
MUD: Density / Viscosity	9.7 lbm/gal / 49 s		
MUD: Fluid Loss / PH	8.8 cm3 / 10		
MUD: Source Of Sample	Circulation Tank		
RM @ Measured Temperature	0.867 ohm.m @ 75 degF	@	
RMF @ Measured Temperature	0.763 ohm.m @ 75 degF	@	
RMC @ Measured Temperature	0.739 ohm.m @ 75 degF	@	
Source RMF / RMC	Calculated / Calculated		
RM @ MRT / RMF @ MRT	0.515 @ 131 / 0.453 @ 131	@ / @	
Maximum Recorded Temperatures	131 degF		
Circulation Stopped / Time	9-Dec-2010 / 5:30		
Logger On Bottom / Time	9-Dec-2010 / 14:30		
Unit Number / Location	2360 / Shreveport		
Recorded By	Chris Johnston		
Witnessed By	Landes, Langley, Davis & McAteer		



DELTA CORE ANALYSTS, INC.
Petroleum Service Laboratory
Shreveport, Louisiana

DOCKET 87-2011-04
Exhibit No. E

JAMES LANGLEY OPERATING COMPANY
NEELEY #2
WILDCAT
OUACHITA COUNTY, ARKANSAS

DATE : 07-DEC-10
FORMATION : SMACKOVER
DRLG. FLUID : WATER BASE MUD

FILE NO : LNC5558
ANALYSTS : DH

LOCATION : 22-15S-16W

CONVENTIONAL CORE ANALYSIS

SMP NO	DEPTH	PERM MD HORZ (KA)	POROSITY %	OIL% PORE	WTR% PORE	PROB PROD	OIL% BULK	GAS% BULK	API OIL	DESCRIPTION
	5226.0 - 5231.0									(CORE NO. 1 CUT 5 FT. REC. 5 FT.)
1	5226.0 - 26.5	1.05	18.3	22.9	19.1	OIL	4.2	10.6	30	DOL DK/BRN SUC S/OOMLDC G ODR DUL GLD FLU
2	5226.5 - 27.0	0.51	12.7	22.2	25.8	(6)	2.8	6.6		DOL DK/BRN SUC VF/OOMLDC G ODR DUL GLD FLU
3	5227.0 - 27.4	5.26	16.6	31.0	19.2	OIL	5.1	8.3		DOL DK/BRN SUC S/OOMLDC G ODR DUL GLD FLU
4	5227.4 - 27.8	0.01	7.6	17.7	54.7	(6)	1.3	2.1		DOL LT/BRN SUC S/OOMLDC FRAC F ODR STK DUL GLD FLU
5	5227.8 - 28.5	<0.01	4.6	0.0	77.7	(6)	0.0	1.0		DOL GRY S/PYR FRAC N ODR V/STK DUL GLD FLU
6	5228.5 - 29.0	<0.01	5.1	0.5	80.0	(6)	0.0	1.0		DOL GRY S/LMY FRAC N ODR V/STK DUL GLD FLU
7	5229.0 - 30.0	56.00	23.2	19.4	53.4	OIL	4.5	6.3	33	LS BRN F-M-C/OOL-OOMLDC G ODR DUL GLD FLU
8	5230.0 - 31.0	1.61	13.4	10.5	57.0	OIL	1.4	4.4		LS LT/BRN F-M-C/OOMLDC-OOL G ODR DUL GLD FLU
	5231.0 - 5291.0									(CORE NO. 2 CUT 60 FT. REC. 58 FT.)
9	5231.0 - 31.5	119.00	26.5	16.3	44.5	OIL	4.3	10.4		LS BRN CTD/GRN S/OOL G ODR DUL GLD FLU
10	5231.5 - 32.0	180.00	26.6	16.8	47.5	OIL	4.5	9.5		LS BRN CTD/GRN S/OOL S/FOS G ODR DUL GLD FLU
11	5232.0 - 32.5	83.00	28.0	15.8	53.6	OIL	4.4	8.6		LS BRN F-M/OOL-OOMLDC S/FOS G ODR DUL GLD FLU
12	5232.5 - 33.0	158.00	30.1	18.8	51.8	OIL	5.7	8.8	34	LS DK/BRN F-M/OOL-OOMLDC G ODR DUL GLD FLU
13	5233.0 - 33.5	56.00	30.0	23.6	44.5	OIL	7.1	9.6		LS DK/BRN VF-F/OOL-OOMLDC G ODR DUL GLD FLU
14	5233.5 - 34.0	113.00	29.1	26.7	39.0	OIL	7.8	10.0		LS DK/BRN VF-F-M/OOL S/OOMLDC G ODR DUL GLD FLU
15	5234.0 - 34.5	0.45	30.1	4.5	71.0	(6)	1.4	7.4		LS TAN VF/OOMLDC F ODR STK DUL GLD FLU
16	5234.5 - 35.0	0.03	30.7	7.0	71.6	(6)	2.2	6.6		LS LT/TAN VF/OOMLDC FRAC STK DUL GLD FLU
17	5235.0 - 35.5	3.42	21.7	18.8	41.2	OIL	4.1	8.7		LS LT/BRN CTD/GRN S/OOL DOL/LAM FRAC STK DUL GLD FLU
18	5235.5 - 36.0	16.00	23.6	20.8	47.4	OIL	4.9	7.5	32	LS BRN SUC VF/OOL-OOMLDC G ODR DUL GLD FLU
19	5236.0 - 36.5	0.52	26.6	5.4	72.2	(6)	1.4	5.9		LS BRN SUC VF-F-M/OOMLDC-OOL F ODR STK DUL GLD FLU
20	5236.5 - 37.0	1.36	28.4	10.7	61.7	OIL	3.0	7.8		LS BRN SUC VF-F-M/OOMLDC-OOL F ODR STK DUL GLD FLU
21	5237.0 - 37.5	56.00	26.0	11.3	57.6	OIL	2.9	8.1		LS BRN SUC VF-F/OOL-OOMLDC G ODR STK DUL GLD FLU
22	5237.5 - 38.0	16.00	26.3	14.2	57.6	OIL	3.7	7.4		LS DK/BRN SUC F-M/OOL-OOMLDC G ODR DUL GLD FLU
23	5238.0 - 38.5	76.00	29.0	16.5	50.0	OIL	4.8	9.7	34	LS DK/BRN SUC VF-F-M/OOL-OOMLDC G ODR DUL GLD FLU
24	5238.5 - 39.0	54.00	25.4	20.8	46.0	OIL	5.3	8.4		LS DK/BRN SUC VF-F-M/OOL-OOMLDC G ODR DUL GLD FLU
25	5239.0 - 39.5	933.00	26.0	12.7	58.8	OIL	3.3	7.4		LS BRN SUC M-C/OOL G ODR DUL GLD FLU
26	5239.5 - 40.0	50.00	23.5	15.2	51.1	OIL	3.6	7.9		LS DK/BRN SUC F-M/OOL-OOMLDC G ODR DUL GLD FLU
27	5240.0 - 40.5	276.00	25.9	13.2	57.8	OIL	3.4	7.5	34	LS DK/BRN SUC C/OOL-OOMLDC G ODR DUL GLD FLU
28	5240.5 - 41.0	215.00	24.4	10.2	60.1	OIL	2.5	7.3		LS DK/BRN SUC M-C/OOL-OOMLDC G ODR DUL GLD FLU
29	5241.0 - 41.5	216.00	24.9	14.7	53.6	OIL	3.7	7.9		LS DK/BRN SUC M-C/OOL-OOMLDC G ODR DUL GLD FLU
30	5241.5 - 42.0	46.00	21.0	20.5	45.9	OIL	4.3	7.1		LS DK/BRN SUC M-C/OOL-OOMLDC G ODR DUL GLD FLU

DELTA CORE ANALYSTS, INC.
Petroleum Service Laboratory
Shreveport, Louisiana

JAMES LANGLEY OPERATING COMPANY
NEELEY #2
WILDCAT
OUACHITA COUNTY, ARKANSAS

DATE : 07-DEC-10
FORMATION : SMACKOVER
DRLG. FLUID : WATER BASE MUD

FILE NO : LNC5558
ANALYSTS : DH

LOCATION : 22-15S-16W

CONVENTIONAL CORE ANALYSIS

SMP NO	DEPTH	PERM MD HORZ (KA)	POROSITY %	OIL% PORE	WTR% PORE	PROB PROD	OIL% BULK	GAS% BULK	API OIL	DESCRIPTION
31	5242.0 - 42.5	0.01	20.6	3.7	76.3	(6)	0.8	4.1		LS GRY-TAN S/SUC M-C/OOMLDC F ODR STK DUL GLD FLU
32	5242.5 - 43.0	318.00	23.2	21.3	44.5	OIL	4.9	7.9	33	LS DK/BRN SUC F-M/OOL G ODR DUL GLD FLU
33	5243.0 - 43.5	308.00	23.2	17.9	46.1	OIL	4.2	8.4		LS DK/BRN SUC M-C/OOL-OOMLDC G ODR DUL GLD FLU
34	5243.5 - 44.0	8.93	25.1	16.7	61.6	OIL	4.2	5.5		LS DK/BRN SUC M-C/OOMLDC-OOL G ODR DUL GLD FLU
35	5244.0 - 44.5	9.57	26.8	13.8	60.0	OIL	3.7	7.0		LS DK/BRN SUC M-C/OOMLDC-OOL G ODR DUL GLD FLU
36	5244.5 - 45.0	163.00	26.4	24.7	44.9	OIL	6.5	8.0		LS DK/BRN SUC CTD/GRN S/OOL FRAC G ODR DUL GLD FLU
37	5245.0 - 45.5	1.89	28.9	5.8	71.5	(*)	1.7	6.6		LS TAN-BRN SUC VF-F/OOMLDC FRAC F ODR STK DUL GLD FLU
38	5245.5 - 46.0	6.22	19.9	25.9	23.1	OIL	5.1	10.1	34	DOL BRN SUC VF/OOL S/LMY G ODR DUL GLD FLU
39	5246.0 - 46.5	234.00	17.6	28.4	24.8	OIL	5.0	8.2		DOL DK/BRN SUC VF/OOL G ODR DUL GLD FLU
40	5246.5 - 47.0	<0.01	8.3	32.2	14.4	(6)	2.7	4.4		DOL DK/BRN SUC VF/OOL S/LMY G ODR STK DUL GLD FLU
41	5247.0 - 47.5	0.18	13.2	27.9	26.5	(6)	3.7	6.0		DOL DK/BRN-TAN SUC VF/OOL S/LMY G ODR DUL GLD FLU
42	5247.5 - 48.0	79.00	33.8	2.5	75.6	WTR	0.8	7.4		LS LT/TAN VF-F/OOMLDC-OOL FRAC STK DUL GLD FLU
43	5248.0 - 48.5	<0.01	31.2	2.7	77.1	(6)	0.8	6.3		LS LT/TAN VF-F/OOMLDC-OOL FRAC STK DUL GLD FLU
44	5248.5 - 49.0	<0.01	31.1	1.7	78.5	(6)	0.5	6.1		LS LT/BRN VF-F-M/OOMLDC FRAC STK DUL GLD FLU
45	5249.0 - 49.5	1.49	33.5	2.5	80.6	WTR	0.8	5.7		LS LT/BRN VF-F-M/OOMLDC FRAC STK DUL GLD FLU
46	5249.5 - 50.0	0.01	35.5	1.9	83.9	(6)	0.7	5.0		LS LT/BRN VF-F-M/OOMLDC FRAC STK DUL GLD FLU
47	5250.0 - 50.5	<0.01	36.2	3.7	81.0	(6)	1.3	5.5		LS LT/BRN VF-F-M/OOMLDC FRAC STK DUL GLD FLU
48	5250.5 - 51.0	<0.01	35.1	2.7	80.1	(6)	0.9	6.1		LS LT/BRN VF-F-M/OOMLDC FRAC STK DUL GLD FLU
49	5251.0 - 51.5	12.00	35.4	0.6	81.4	WTR	0.2	6.4		LS TAN VF/OOL-OOMLDC FRAC VUG F ODR STK DUL GLD FLU
50	5251.5 - 52.0	0.27	35.1	1.5	81.2	(6)	0.5	6.1		LS TAN VF/OOMLDC FRAC VUG F ODR STK DUL GLD FLU
51	5252.0 - 52.5	0.39	33.8	2.7	73.1	(6)	0.9	8.2		LS TAN VF/OOMLDC FRAC VUG F ODR STK DUL GLD FLU
52	5252.5 - 53.0	1.57	33.2	4.8	69.0	WTR	1.6	8.7	28	LS TAN VF/OOMLDC-OOL FRAC VUG F ODR STK DUL GLD FLU
53	5253.0 - 53.5	44.00	36.6	4.3	77.8	WTR	1.6	6.5		LS TAN VF/OOMLDC FRAC F ODR STK DUL GLD FLU
54	5253.5 - 54.0	2.53	35.6	5.4	67.7	WTR	1.9	9.6		LS TAN VF/OOMLDC FRAC F ODR STK DUL GLD FLU
55	5254.0 - 54.5	0.24	38.3	2.4	81.3	(6)	0.9	6.2		LS TAN VF/OOMLDC FRAC F ODR STK DUL GLD FLU
56	5254.5 - 55.0	0.15	39.7	6.1	67.2	(6)	2.4	10.6		LS TAN VF/OOMLDC FRAC F ODR STK DUL GLD FLU
57	5255.0 - 55.5	1.00	38.4	3.0	70.5	WTR	1.1	10.2		LS TAN VF/OOMLDC FRAC F ODR STK DUL GLD FLU
58	5255.5 - 56.0	0.51	36.4	6.2	65.5	(6)	2.3	10.3	27	LS TAN VF/OOMLDC FRAC F ODR STK DUL GLD FLU
59	5256.0 - 56.5	0.17	38.0	2.5	73.5	(6)	1.0	9.1		LS TAN VF/OOMLDC FRAC F ODR STK DUL GLD FLU
60	5256.5 - 57.0	0.11	37.3	3.2	75.6	(6)	1.2	7.9		LS TAN VF/OOMLDC FRAC F ODR STK DUL GLD FLU
61	5257.0 - 57.5	0.48	34.2	5.6	69.5	(6)	1.9	8.5		LS TAN VF/OOMLDC FRAC F ODR STK DUL GLD FLU
62	5257.5 - 58.0	1.57	32.9	7.7	68.8	(*)	2.5	7.7		LS TAN VF/OOMLDC FRAC F ODR STK DUL GLD FLU
63	5258.0 - 58.5	2.21	37.7	4.7	64.7	(*)	1.8	11.5		LS BRN SUC VF/OOMLDC-OOL FRAC F ODR STK DUL GLD FLU
64	5258.5 - 59.0	1.20	37.8	5.2	65.3	(*)	2.0	11.1		LS BRN SUC VF/OOMLDC-OOL FRAC F ODR STK DUL GLD FLU
65	5259.0 - 59.5	8.15	33.4	12.7	53.1	OIL	4.3	11.4	30	LS BRN SUC VF/OOMLDC-OOL FRAC F ODR STK DUL GLD FLU
66	5259.5 - 60.0	22.00	34.5	13.5	50.9	OIL	4.6	12.3		LS BRN SUC VF-F/OOL-OOMLDC FRAC G ODR DUL GLD FLU

DELTA CORE ANALYSTS, INC.
Petroleum Service Laboratory
Shreveport, Louisiana

JAMES LANGLEY OPERATING COMPANY
NEELEY #2
WILDCAT
OUACHITA COUNTY, ARKANSAS

DATE : 07-DEC-10
FORMATION : SMACKOVER
DRLG. FLUID : WATER BASE MUD

FILE NO : LNC5558
ANALYSTS : DH

LOCATION : 22-15S-16W

CONVENTIONAL CORE ANALYSIS

SMP NO	DEPTH	PERM MD HORZ (KA)	POROSITY %	OIL% PORE	WTR% PORE	PROB PROD	OIL% BULK	GAS% BULK	API OIL	DESCRIPTION
67	5260.0 - 60.5	13.00	39.8	4.4	67.1	(*)	1.7	11.4		LS BRN SUC VF/OOL-OOMLDC FRAC F ODR STK DUL GLD FLU
68	5260.5 - 61.0	18.00	38.3	8.2	64.4	(*)	3.2	10.5		LS BRN SUC VF/OOL-OOMLDC FRAC F ODR STK DUL GLD FLU
69	5261.0 - 61.5	28.00	30.1	12.5	52.5	OIL	3.8	10.5		LS BRN SUC VF/OOL-OOMLDC FRAC F ODR STK DUL GLD FLU
70	5261.5 - 62.0	0.35	27.5	13.9	51.6	OIL	3.8	9.5		LS LT/BRN VF/OOMLDC FRAC VUG F ODR STK DUL GLD FLU
71	5262.0 - 62.5	17.00	33.4	10.9	58.0	OIL	3.6	10.4	32	LS BRN SUC CTD/GRN S/OOMLDC FRAC G ODR DUL GLD FLU
72	5262.5 - 63.0	9.63	34.2	11.6	58.8	OIL	4.0	10.1		LS BRN SUC CTD/GRN S/OOMLDC FRAC G ODR DUL GLD FLU
73	5263.0 - 63.5	1.04	36.5	3.2	61.8	(*)	1.2	12.8		LS BRN SUC VF/OOMLDC-OOL FRAC F ODR STK DUL GLD FLU
74	5263.5 - 64.0	5.26	32.1	9.9	59.6	OIL	3.2	9.8		LS BRN SUC VF/OOMLDC-OOL FRAC F ODR STK DUL GLD FLU
75	5264.0 - 64.5	47.00	30.1	12.2	58.0	OIL	3.7	9.0		LS BRN SUC CTD/GRN FRAC G ODR DUL GLD FLU
76	5264.5 - 65.0	9.90	29.3	15.7	50.0	OIL	4.6	10.1		LS BRN SUC CTD/GRN S/FOS FRAC G ODR DUL GLD FLU
77	5265.0 - 65.5	16.00	33.2	13.5	54.8	OIL	4.5	10.5	31	LS BRN SUC CTD/GRN S/OOMLDC FRAC G ODR DUL GLD FLU
78	5265.5 - 66.0	7.97	35.8	11.7	53.7	OIL	4.2	12.4		LS BRN SUC VF/OOMLDC-OOL FRAC G ODR DUL GLD FLU
79	5266.0 - 66.5	15.00	30.9	13.2	57.4	OIL	4.1	9.1		LS BRN SUC S/OOMLDC FRAC G ODR DUL GLD FLU
80	5266.5 - 67.0	23.00	34.1	8.4	62.2	OIL	2.9	10.0		LS BRN SUC CTD/GRN S/FOS FRAC G ODR DUL GLD FLU
81	5267.0 - 67.5	47.00	33.8	11.0	62.3	OIL	3.7	9.0		LS BRN SUC CTD/GRN FRAC G ODR DUL GLD FLU
82	5267.5 - 68.0	20.00	30.3	12.4	55.0	OIL	3.8	9.9	30	LS BRN SUC CTD/GRN FRAC G ODR DUL GLD FLU
83	5268.0 - 68.5	4.67	33.7	7.6	60.4	OIL	2.6	10.8		LS BRN SUC VF/OOMLDC FRAC G ODR DUL GLD FLU
84	5268.5 - 69.0	9.60	31.1	10.4	50.9	OIL	3.2	12.0		LS BRN SUC S/CTD/GRN S/FOS FRAC G ODR DUL GLD FLU
85	5269.0 - 69.5	5.52	30.5	11.7	57.3	OIL	3.6	9.5		LS LT/BRN SUC S/FOS S/CTD/GRN FRAC G ODR DUL GLD FLU
86	5269.5 - 70.0	7.13	33.6	12.2	57.8	OIL	4.1	10.1		LS BRN SUC CTD/GRN FRAC G ODR DUL GLD FLU
87	5270.0 - 70.5	19.00	33.7	10.8	56.4	OIL	3.6	11.0		LS BRN SUC CTD/GRN FRAC G ODR DUL GLD FLU
88	5270.5 - 71.0	6.75	31.0	7.3	50.8	OIL	2.3	13.0	32	LS LT/BRN SUC VF-F/OOMLDC F ODR STK DUL GLD FLU
89	5271.0 - 71.5	12.00	34.8	9.3	61.9	OIL	3.3	10.0		LS BRN SUC VF/OOL-OOMLDC FRAC G ODR STK DUL GLD FLU
90	5271.5 - 72.0	6.55	35.1	7.2	63.4	OIL	2.5	10.3		LS BRN SUC VF/OOL-OOMLDC FRAC G ODR STK DUL GLD FLU
91	5272.0 - 72.5	20.00	34.3	13.1	57.6	OIL	4.5	10.1		LS BRN SUC VF/OOL-OOMLDC FRAC G ODR STK DUL GLD FLU
92	5272.5 - 73.0	11.00	31.5	13.9	56.3	OIL	4.4	9.4		LS BRN SUC VF/OOL-OOMLDC FRAC G ODR STK DUL GLD FLU
93	5273.0 - 73.5	5.74	34.7	7.3	67.2	OIL	2.5	8.9		LS BRN SUC VF/OOMLDC FRAC G ODR STK DUL GLD FLU
94	5273.5 - 74.0	8.13	33.3	2.8	73.0	(*)	0.9	8.1		LS BRN SUC S/OOMLDC FRAC F ODR STK DUL GLD FLU
95	5274.0 - 75.0	4.94	27.0	6.6	71.6	(*)	1.8	5.9		LS LT/BRN S/SUC PEL FRAC F ODR STK DUL GLD FLU
96	5275.0 - 76.0	13.00	32.7	7.9	51.7	OIL	2.6	13.2		LS LT/BRN S/SUC PEL FRAC F ODR STK DUL GLD FLU
97	5276.0 - 76.5	7.55	28.5	3.0	73.0	(*)	0.9	6.8		LS LT/BRN S/SUC PEL S/FOS FRAC F ODR STK DUL GLD FLU
98	5276.5 - 77.0	6.23	36.8	7.8	66.6	(*)	2.9	9.4		LS LT/BRN S/SUC PEL S/CTD/GRN G ODR STK DUL GLD FLU
99	5277.0 - 78.0	14.00	34.7	12.9	60.5	OIL	4.5	9.2	32	LS BRN SUC CTD/GRN S/FOS G ODR DUL GLD FLU
100	5278.0 - 79.0	8.45	32.8	2.1	77.8	(*)	0.7	6.6		LS TAN SUC M-C/OOL S/CTD/GRN F ODR STK DUL GLD FLU
101	5279.0 - 79.5	36.00	27.2	14.1	58.9	OIL	3.8	7.3		LS BRN SUC M-C/OOL S/OOMLDC G ODR DUL GLD FLU
.102	5279.5 - 80.0	20.00	25.3	21.3	50.6	OIL	5.4	7.1		LS BRN SUC M/OOL G ODR DUL GLD FLU

DELTA CORE ANALYSTS, INC.
Petroleum Service Laboratory
Shreveport, Louisiana

JAMES LANGLEY OPERATING COMPANY
NEELEY #2
WILDCAT
OUACHITA COUNTY, ARKANSAS

DATE : 07-DEC-10
FORMATION : SMACKOVER
DRLG. FLUID : WATER BASE MUD

FILE NO : LNC5558
ANALYSTS : DH

LOCATION : 22-15S-16W

CONVENTIONAL CORE ANALYSIS

SMP NO	DEPTH	PERM MD HORZ (KA)	POROSITY %	OIL% PORE	WTR% PORE	PROB PROD	OIL% BULK	GAS% BULK	API OIL	DESCRIPTION
103	5280.0 - 80.5	29.00	27.8	17.0	44.9	OIL	4.7	10.6		LS BRN SUC F-M/OOL-OOMLDC G ODR DUL GLD FLU
104	5280.5 - 81.0	27.00	29.4	15.5	30.4	OIL	4.6	15.9		LS BRN SUC F-M/OOL-OOMLDC G ODR DUL GLD FLU
105	5281.0 - 81.5	24.00	28.2	18.0	37.9	OIL	5.1	12.4		LS BRN SUC F-M/OOL-OOMLDC G ODR DUL GLD FLU
106	5281.5 - 82.0	20.00	26.1	17.3	48.3	OIL	4.5	9.0		LS BRN SUC F-M/OOL-OOMLDC G ODR DUL GLD FLU
107	5282.0 - 82.5	13.00	28.4	15.9	47.8	OIL	4.5	10.3	32	LS BRN SUC F-M/OOL-OOMLDC G ODR DUL GLD FLU
108	5282.5 - 83.0	28.00	29.2	13.1	54.6	OIL	3.8	9.4		LS BRN SUC F-M/OOL-OOMLDC G ODR DUL GLD FLU
109	5283.0 - 83.5	23.00	28.2	17.2	43.4	OIL	4.9	11.1		LS BRN SUC M-C/OOL-OOMLDC G ODR DUL GLD FLU
110	5283.5 - 84.0	41.00	25.5	17.0	42.4	OIL	4.3	10.4		LS BRN SUC M/OOL-OOMLDC G ODR DUL GLD FLU
111	5284.0 - 84.5	9.78	29.5	10.9	46.1	OIL	3.2	12.7		LS BRN SUC M/OOL-OOMLDC G ODR DUL GLD FLU
112	5284.5 - 85.0	12.00	29.2	13.6	46.7	OIL	4.0	11.6		LS BRN SUC M/OOL-OOMLDC G ODR DUL GLD FLU
113	5285.0 - 85.5	12.00	26.0	12.5	50.4	OIL	3.3	9.6		LS BRN SUC M-C/OOMLDC-OOL G ODR DUL GLD FLU
114	5285.5 - 86.0	12.00	29.4	15.0	46.3	OIL	4.4	11.4	33	LS BRN SUC M-C/OOMLDC-OOL G ODR DUL GLD FLU
115	5286.0 - 86.5	13.00	28.5	11.9	53.0	OIL	3.4	10.0		LS BRN SUC M-C/OOMLDC-OOL G ODR DUL GLD FLU
116	5286.5 - 87.0	16.00	33.0	9.3	53.7	OIL	3.0	12.2		LS BRN SUC M-C/OOMLDC-OOL G ODR DUL GLD FLU
117	5287.0 - 88.0	25.00	28.9	4.9	65.7	(*)	1.4	8.5		LS BRN SUC M-C/OOMLDC-OOL G ODR DUL GLD FLU
	5288.0 - 91.0									LOST CORE

(6) LOW PERMEABILITY

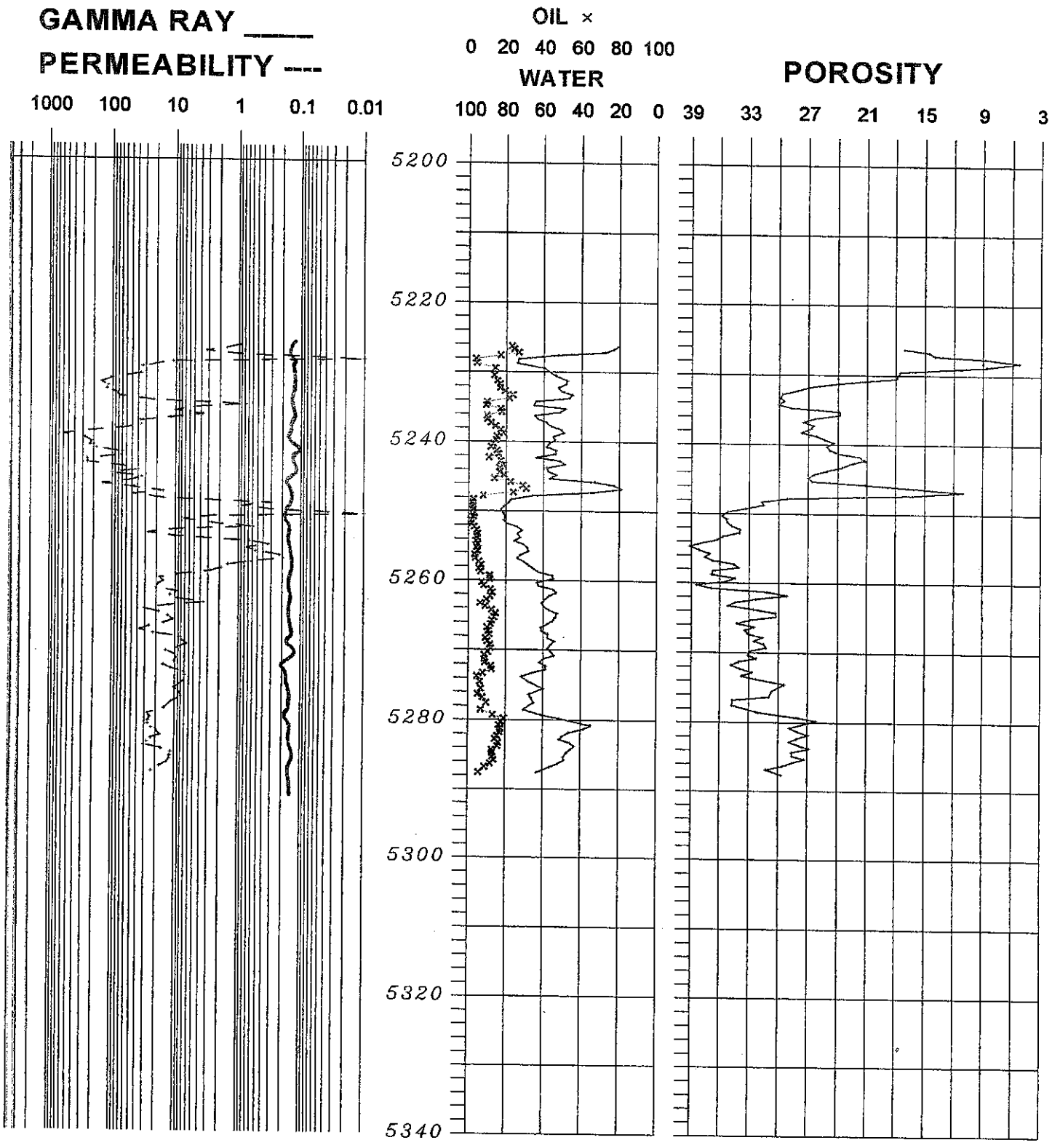
(*) OIL PRODUCTIVE - HIGH WATER VOLUME

DELTA CORE ANALYSTS, INC.
Petroleum Service Laboratory
Shreveport, Louisiana

JAMES LANGLEY OPERATING COMPANY
NEELEY #2
WILDCAT
OUACHITA COUNTY, ARKANSAS

CORRELATION COREGRAPH

3' MOVING AVERAGE



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Of 1998 CUI Dated 3/23/1998
Caroline Neeley Roark, Trustee
915 Pickett Street
Camden, AR 71701

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Jimmie J. Neeley and
John David Neeley, Co-Executors
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DOCKET 081-2011-04
Exhibit No. F

EXHIBIT "G"

No. 087-2011-04

Affidavit of Notice to Interested Parties

To be provided on date of Hearing