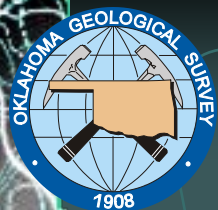
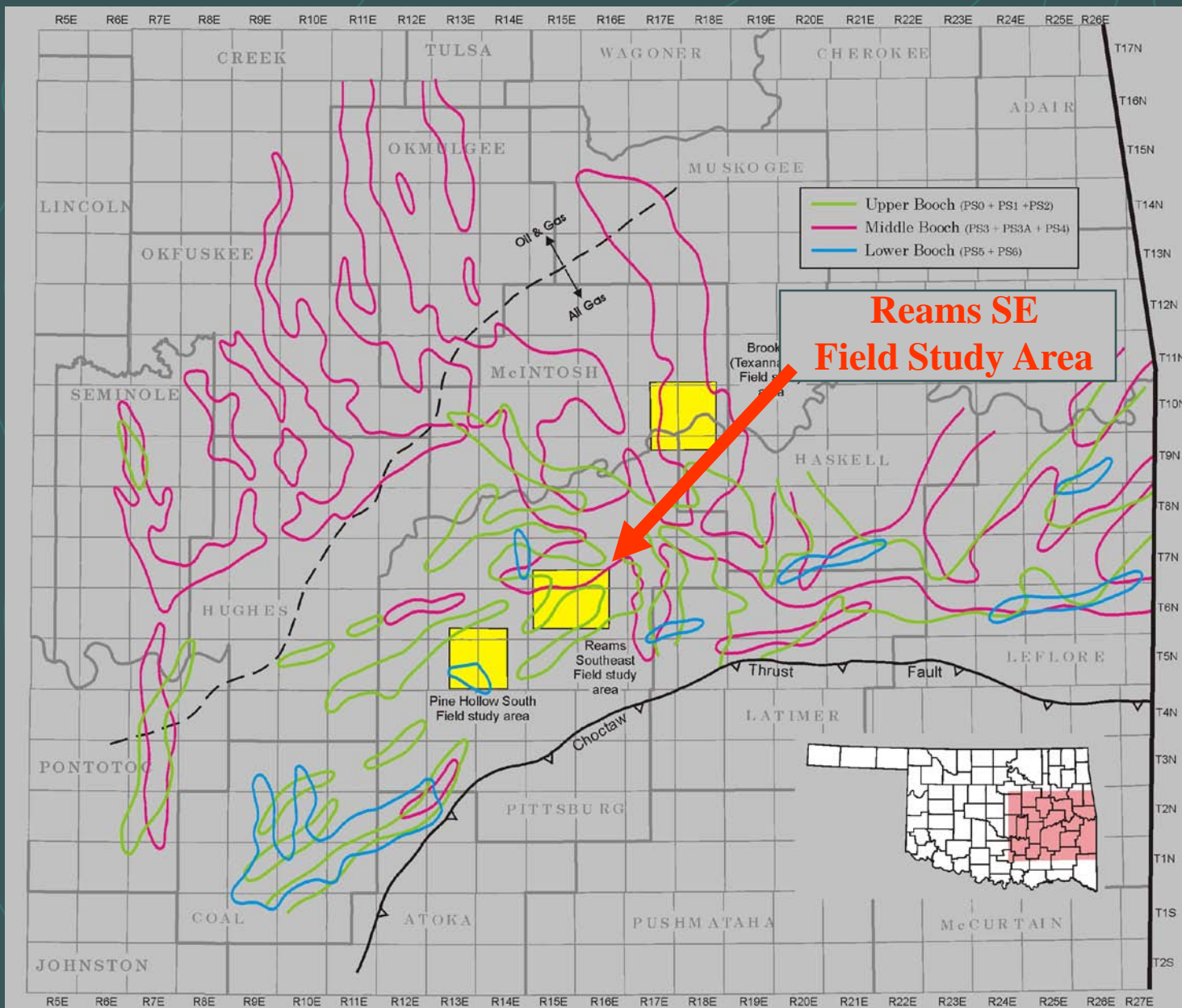


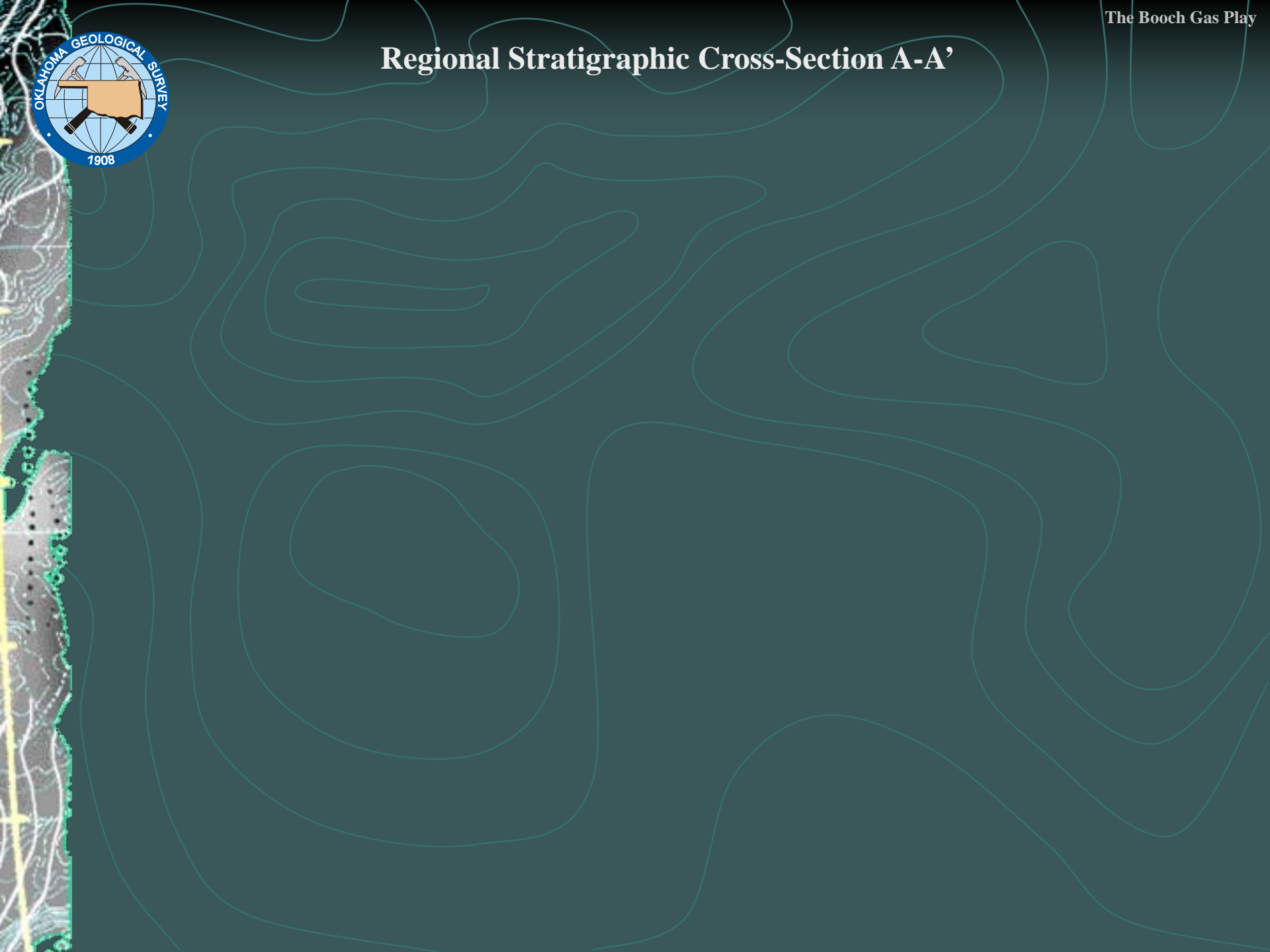
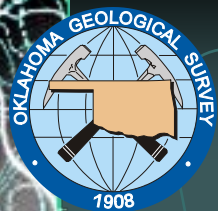
Reams Southeast Field Study

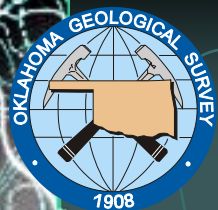


Booch Gross Sand Isopach

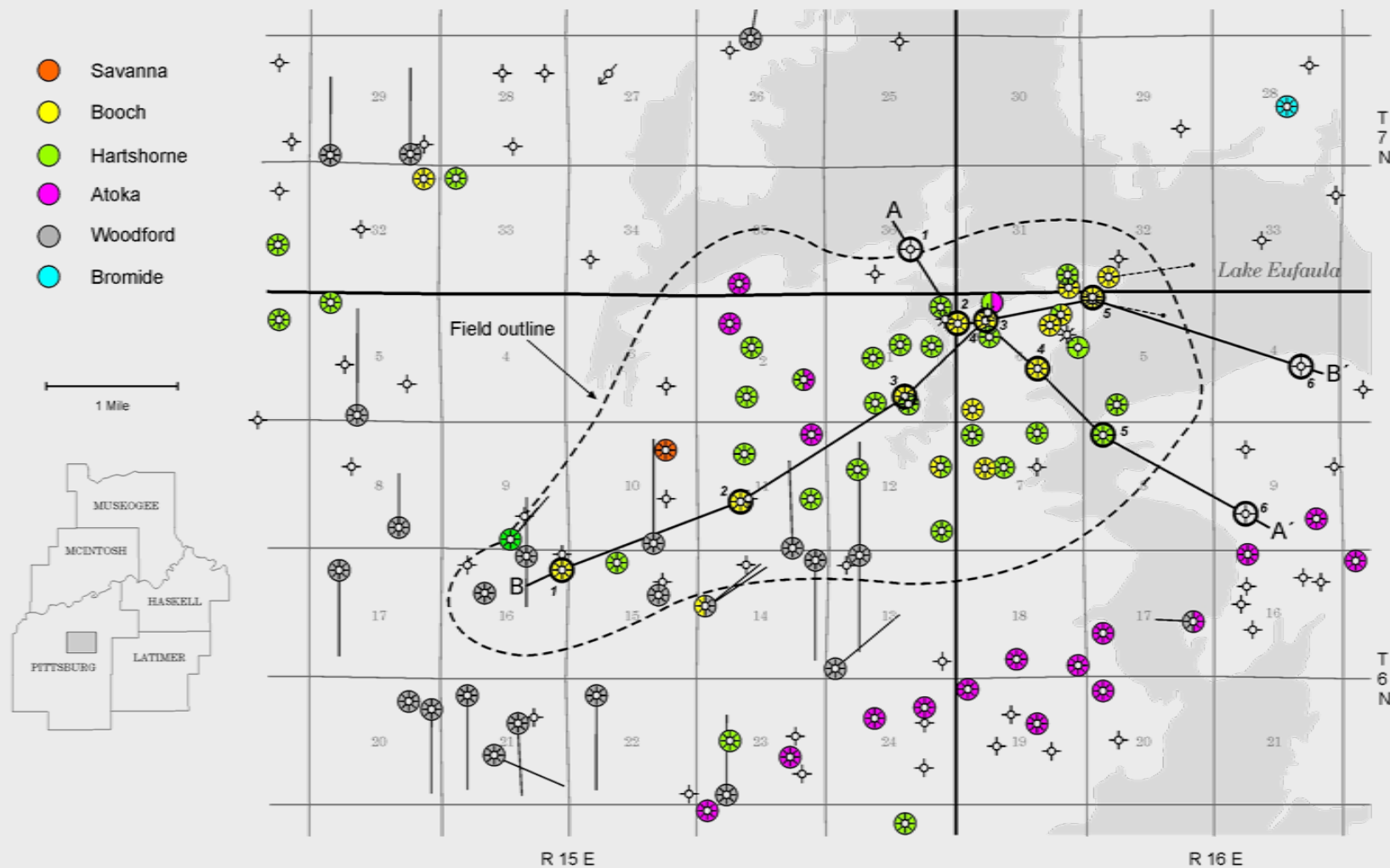


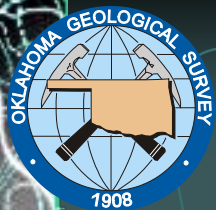
Regional Stratigraphic Cross-Section A-A'



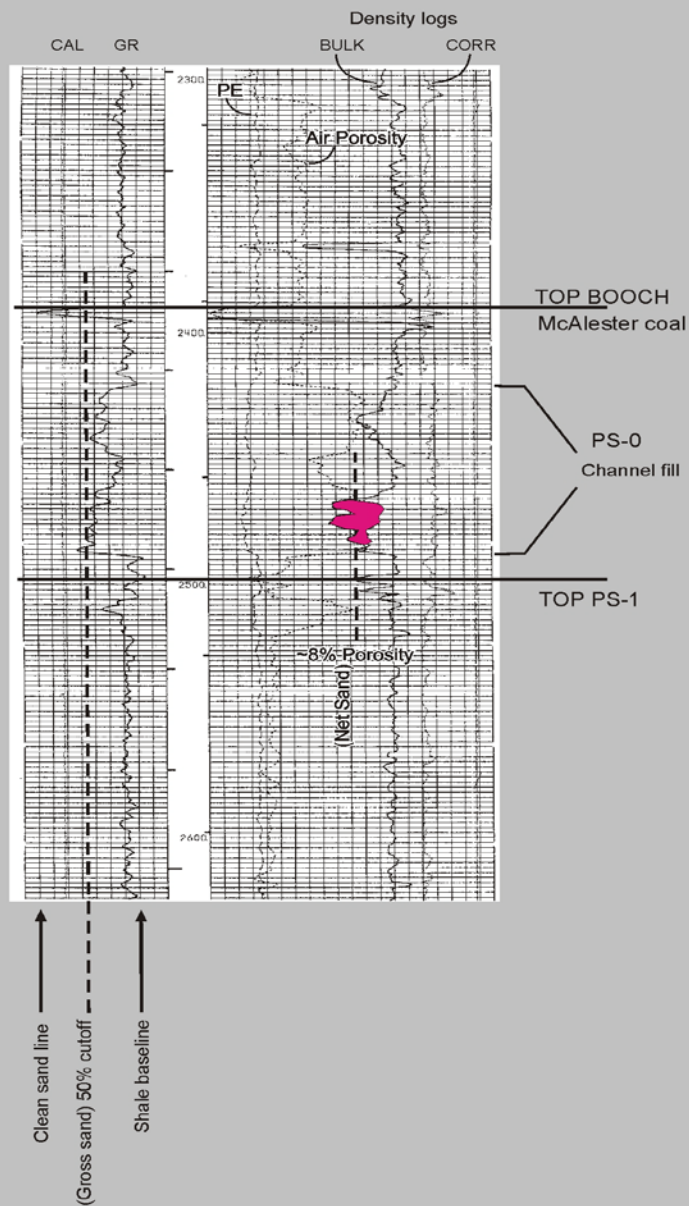


Reams Southeast Field Study Area Production

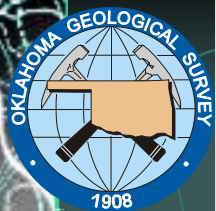




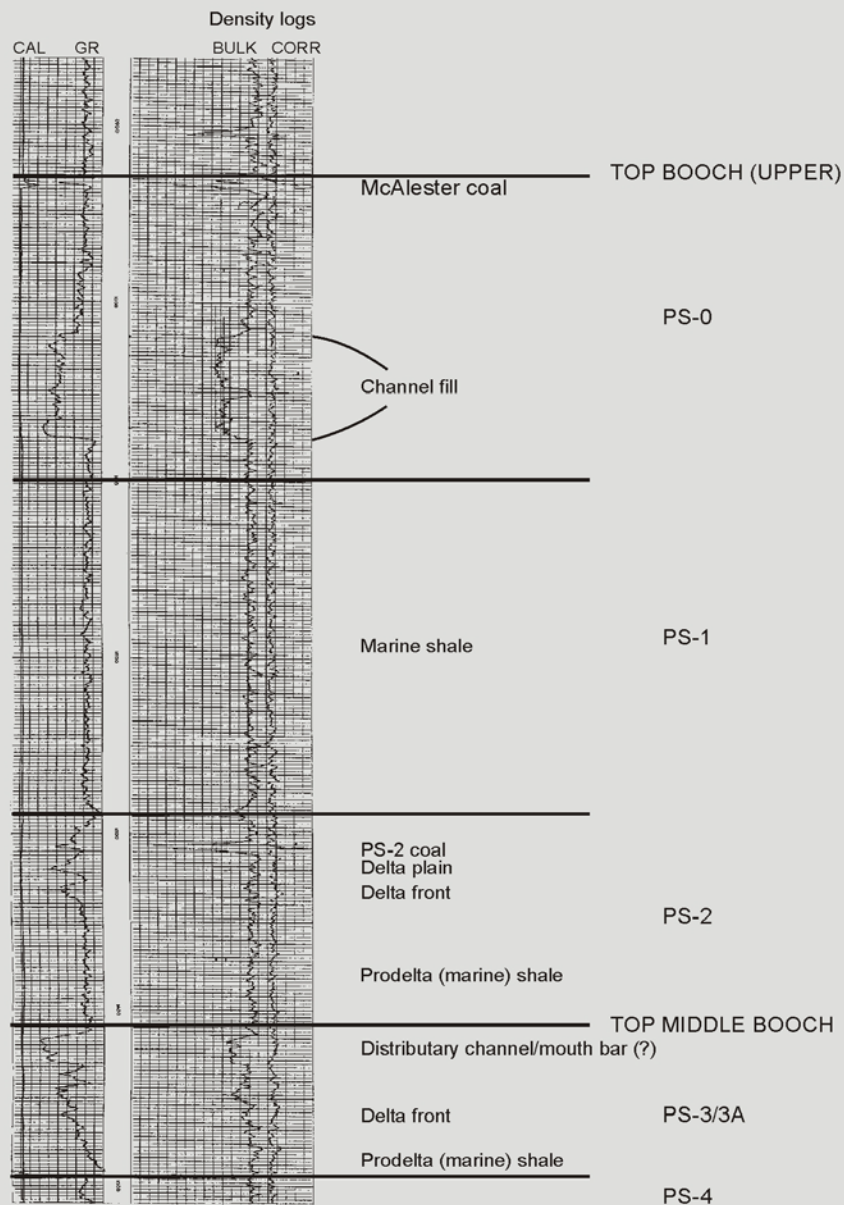
Joe D. Davis Trust
Adams #1
NE NE Sec. 32-7N-15E
KBE: 704'



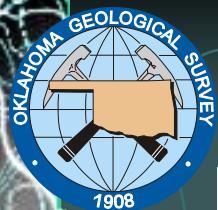
Reams Southeast Field Study Example Well Log



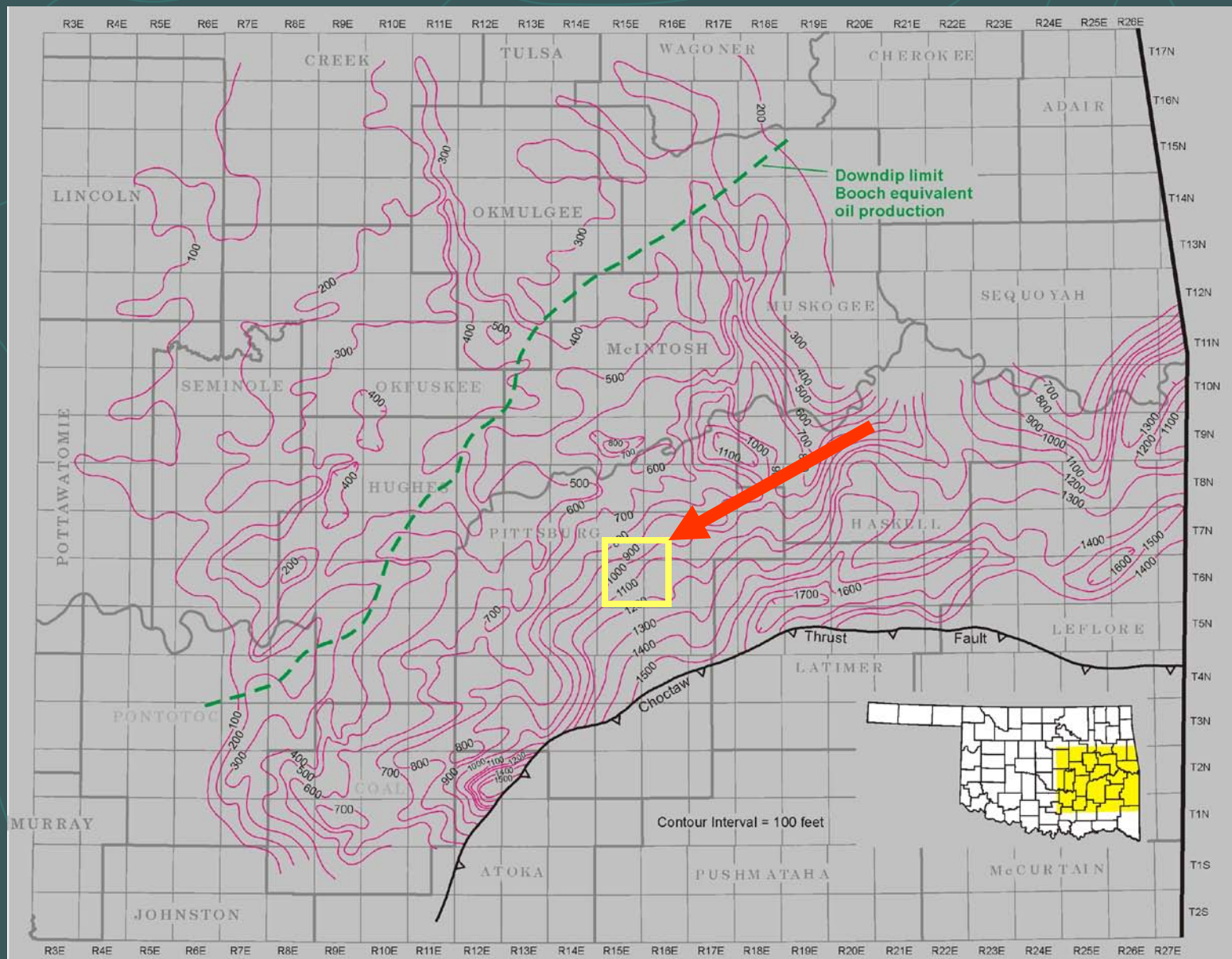
Winjuan Industries
Public Service Company #3
SE NE Sec. 6-6N-16E
KBE: 612'

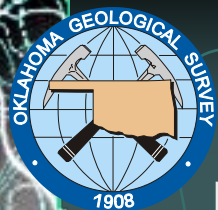


Reams Southeast Field Study Type Log

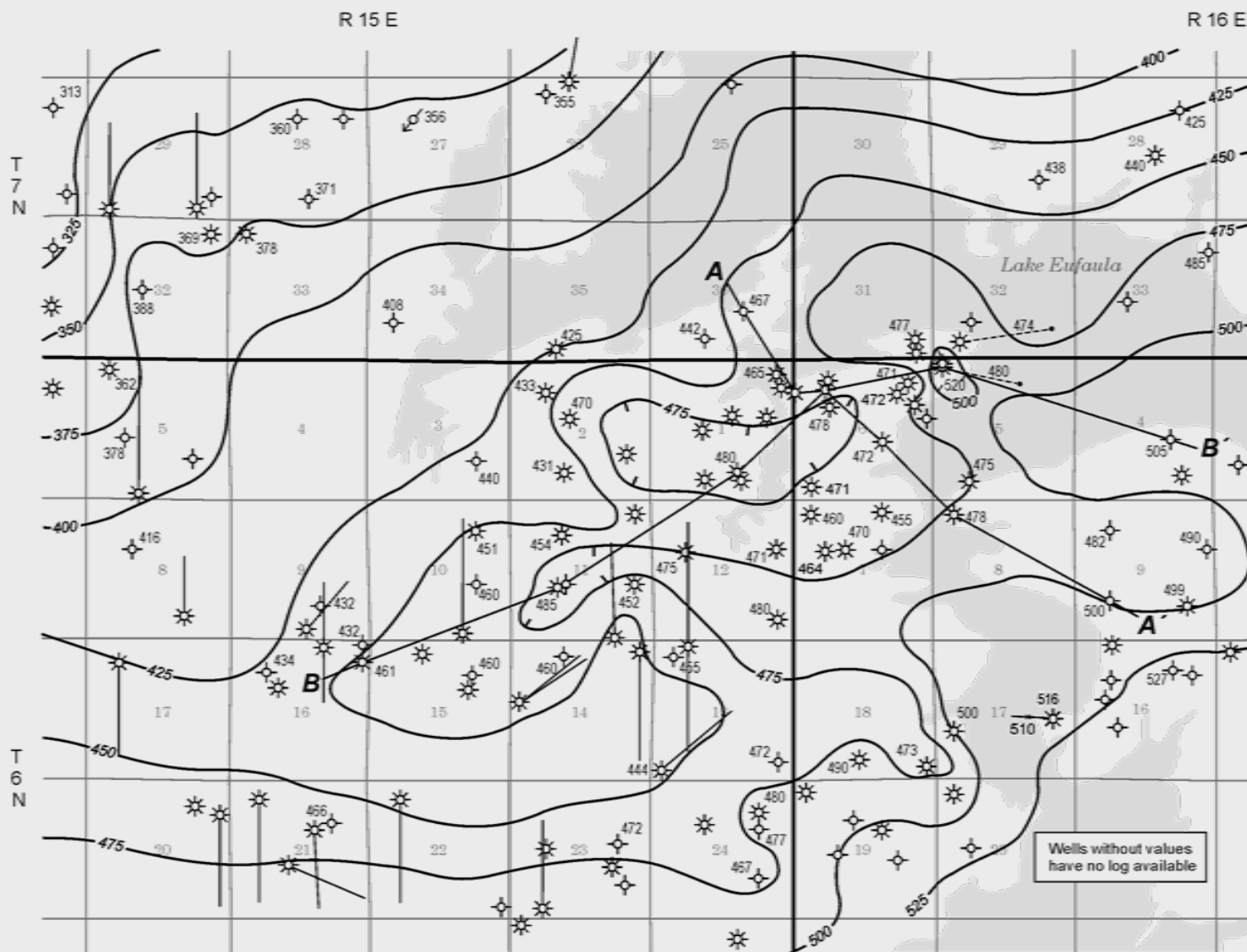


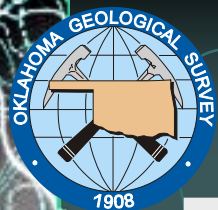
Regional Booch Gross Interval Isopach Showing Reams Southeast Study Area





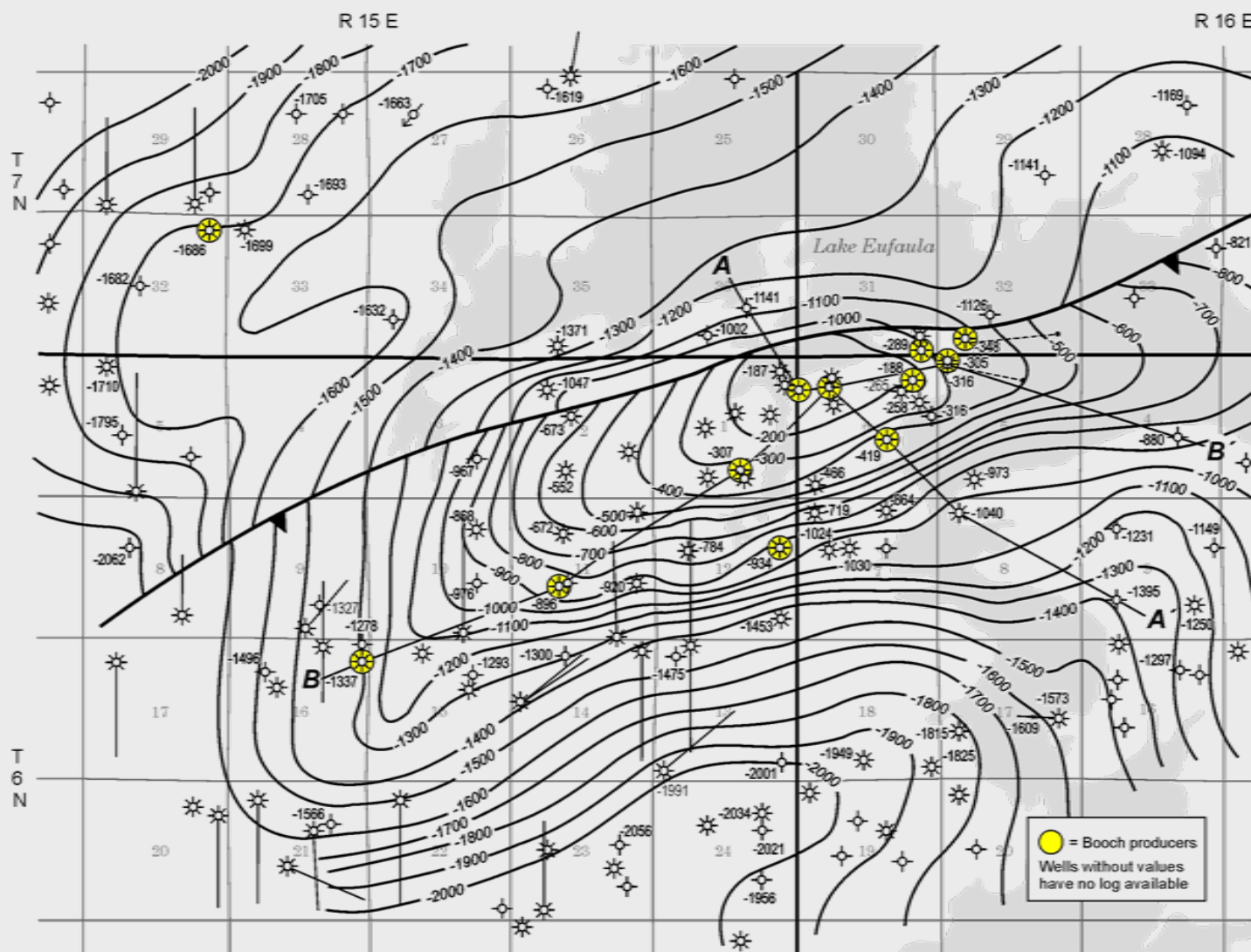
Reams Southeast Field Study Upper Booch Interval Isopach





Reams Southeast Field Study

Structure: Top Booch





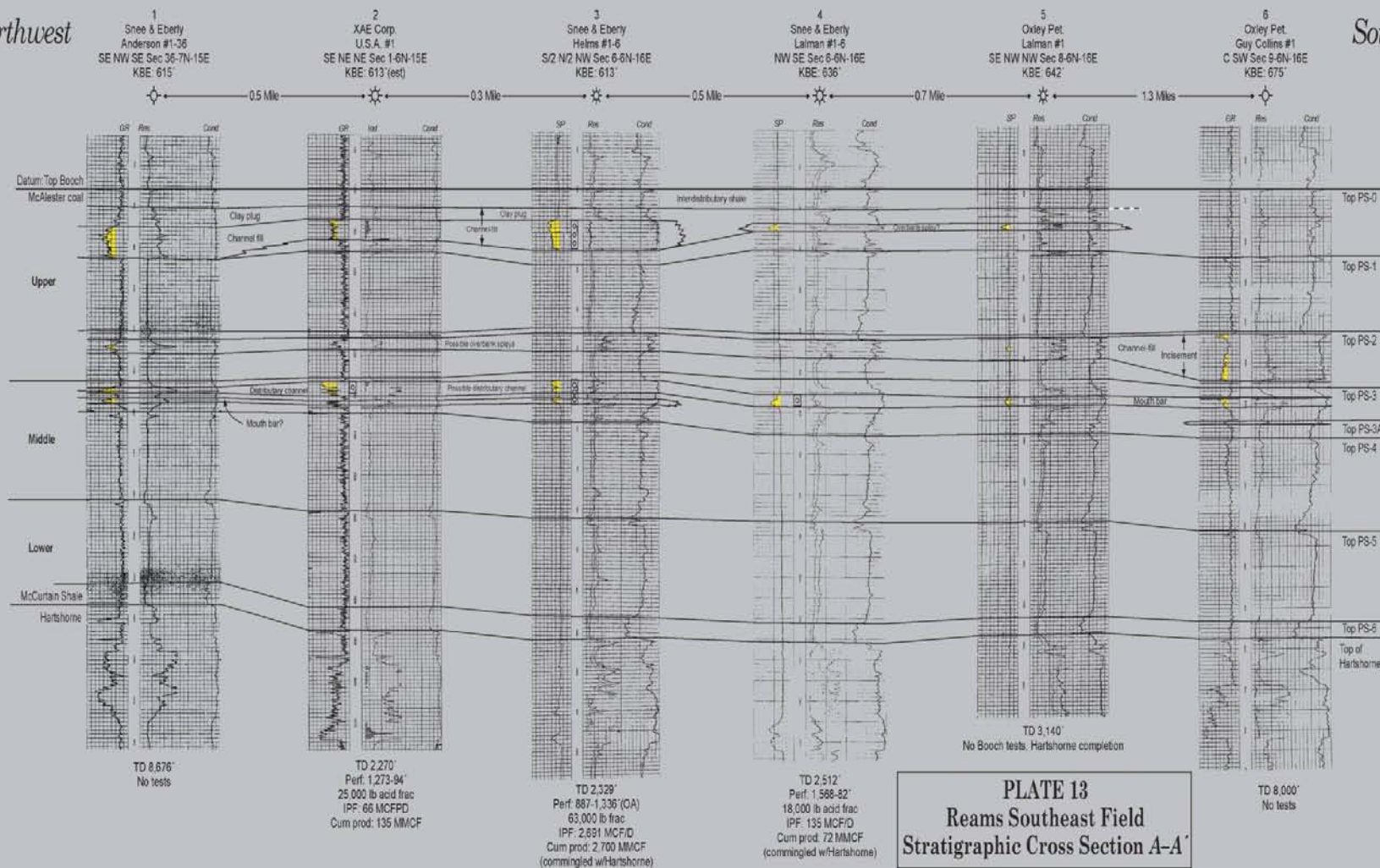
Reams Southeast Field Study Stratigraphic Cross-Section A-A'

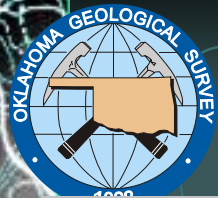
OKLAHOMA GEOLOGICAL SURVEY
Charles J. Mankin, Director

SP 2005-1, PLATES 13 and 14 of 16
Reams Southeast Field Stratigraphic Cross Section A-A' and B-B'
Booch Gas Play in Southeastern Oklahoma

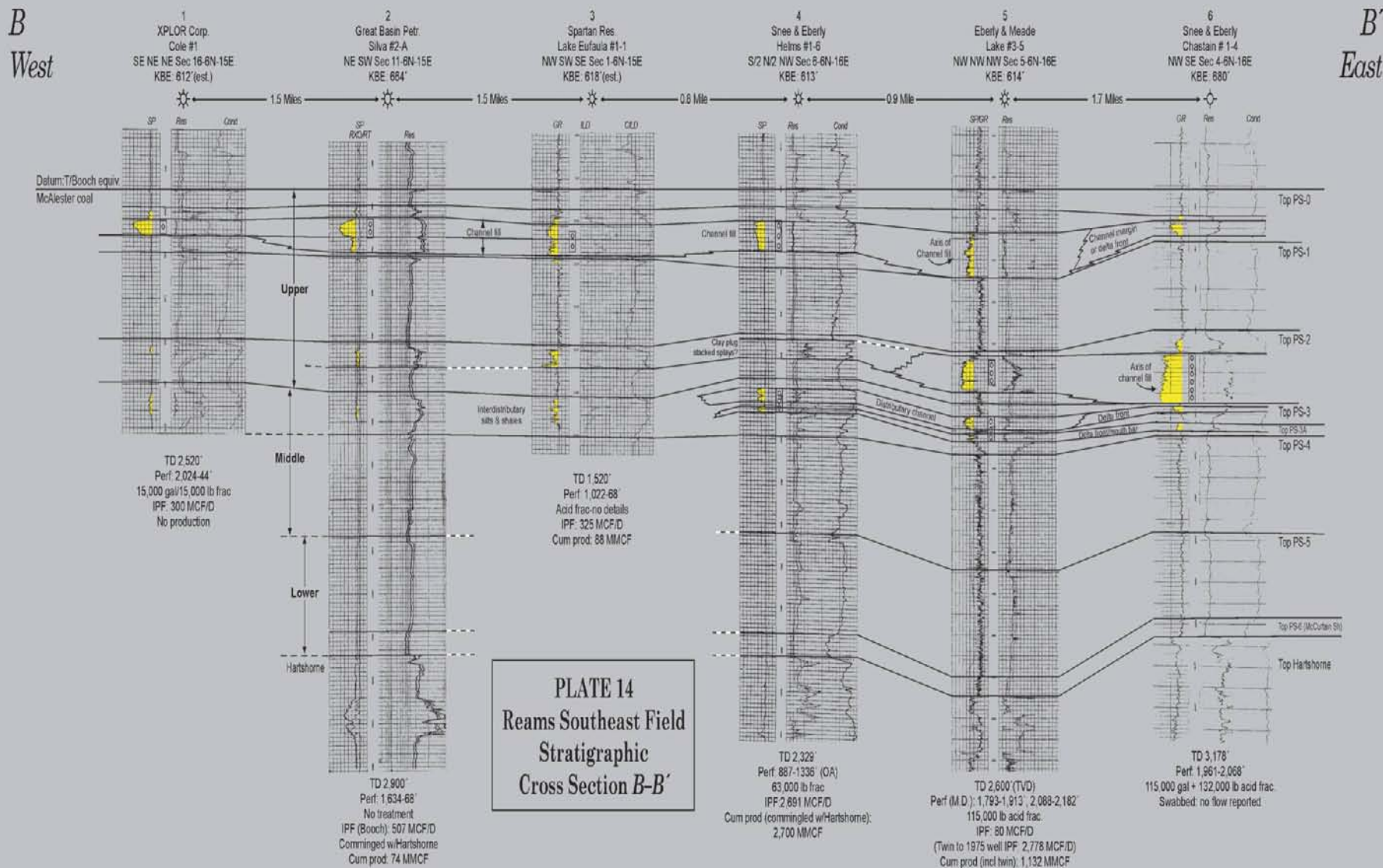
A
Northwest

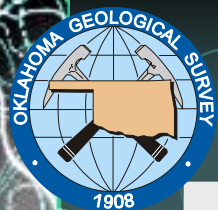
A'
Southeast



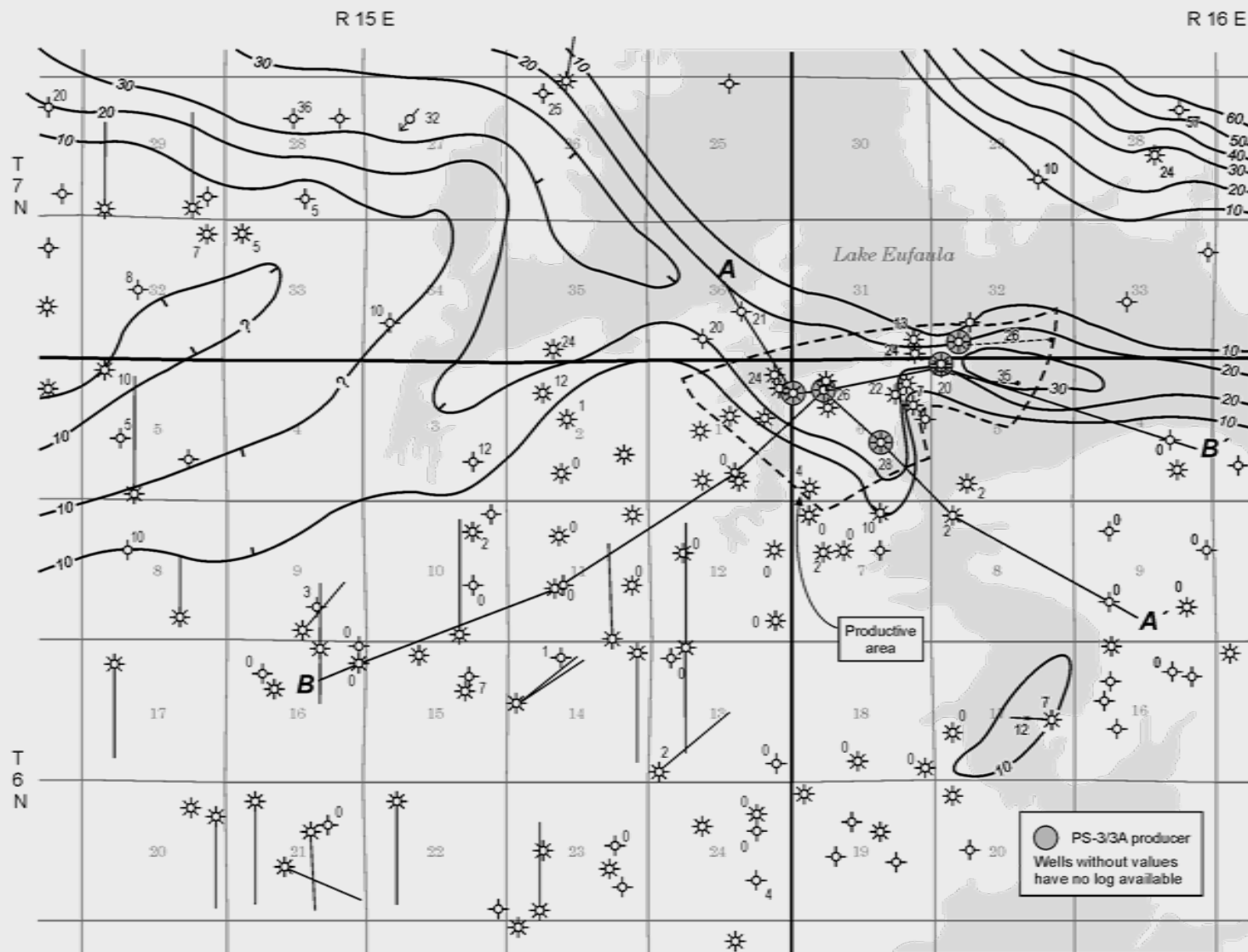


Reams Southeast Field Study Stratigraphic Cross-Section B-B'



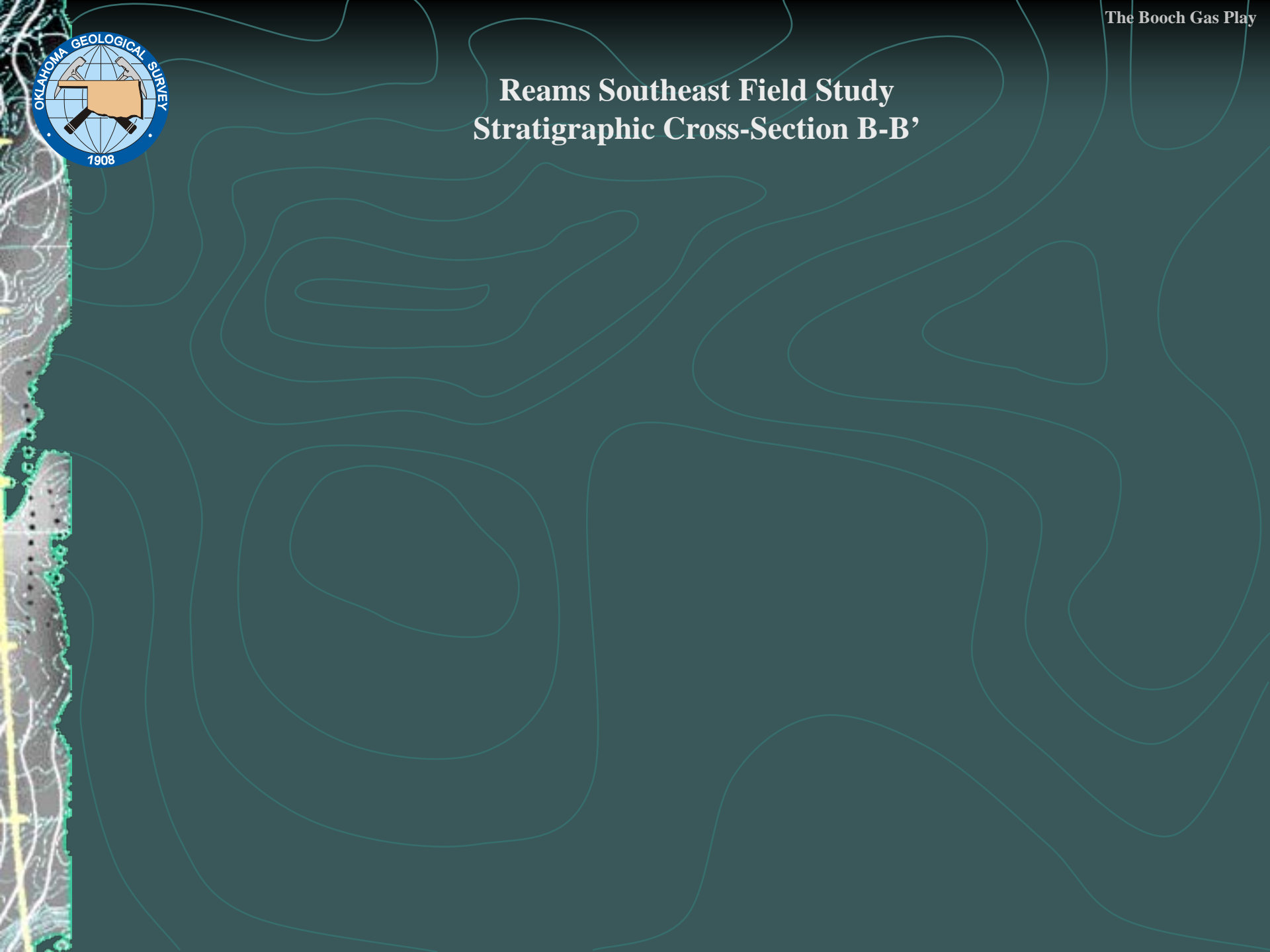


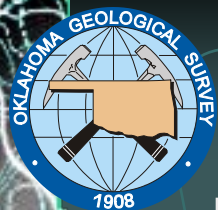
Reams Southeast Field Study PS-3/3A Net Sand Isopach





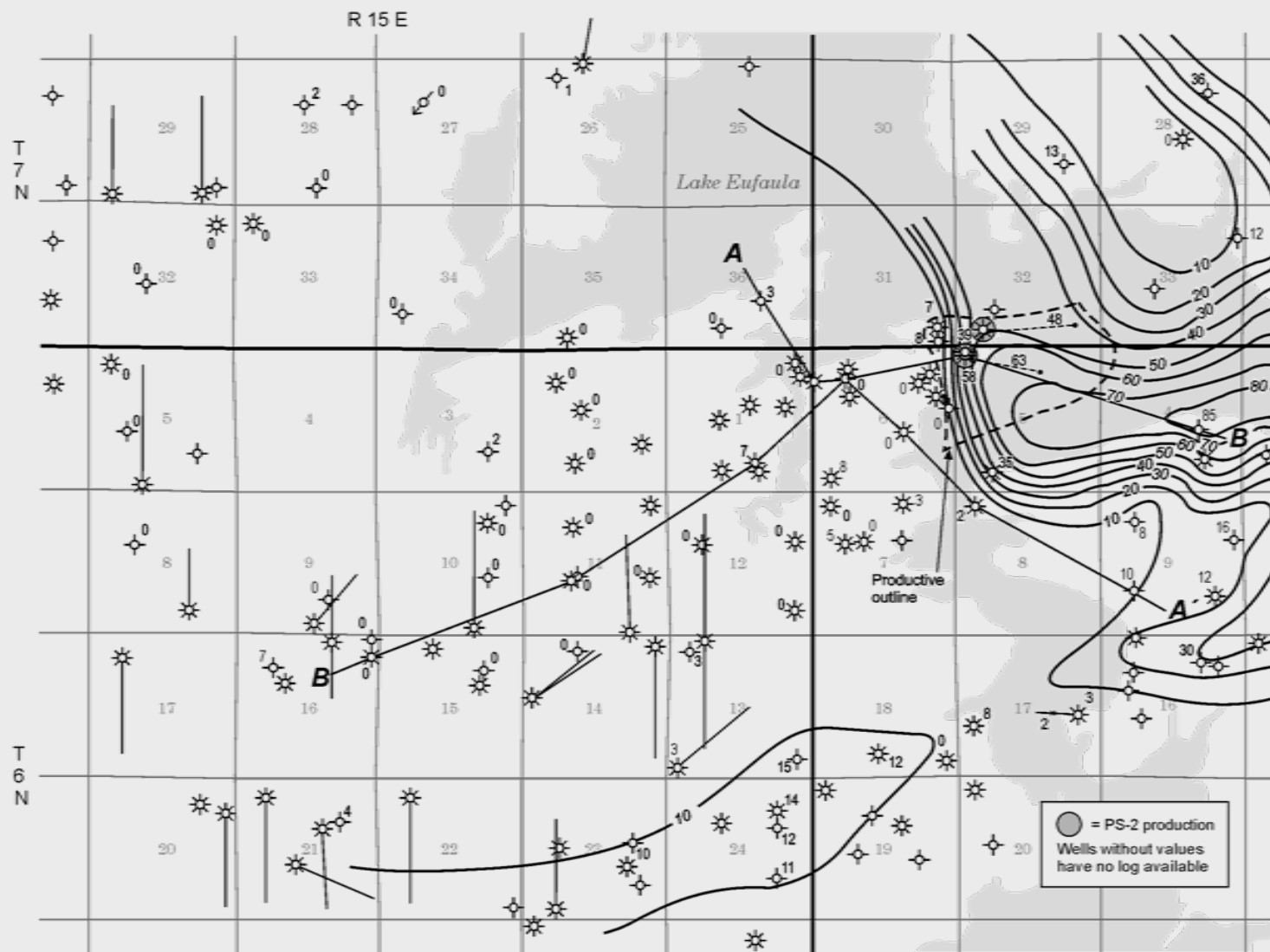
Reams Southeast Field Study Stratigraphic Cross-Section B-B'

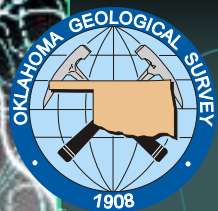




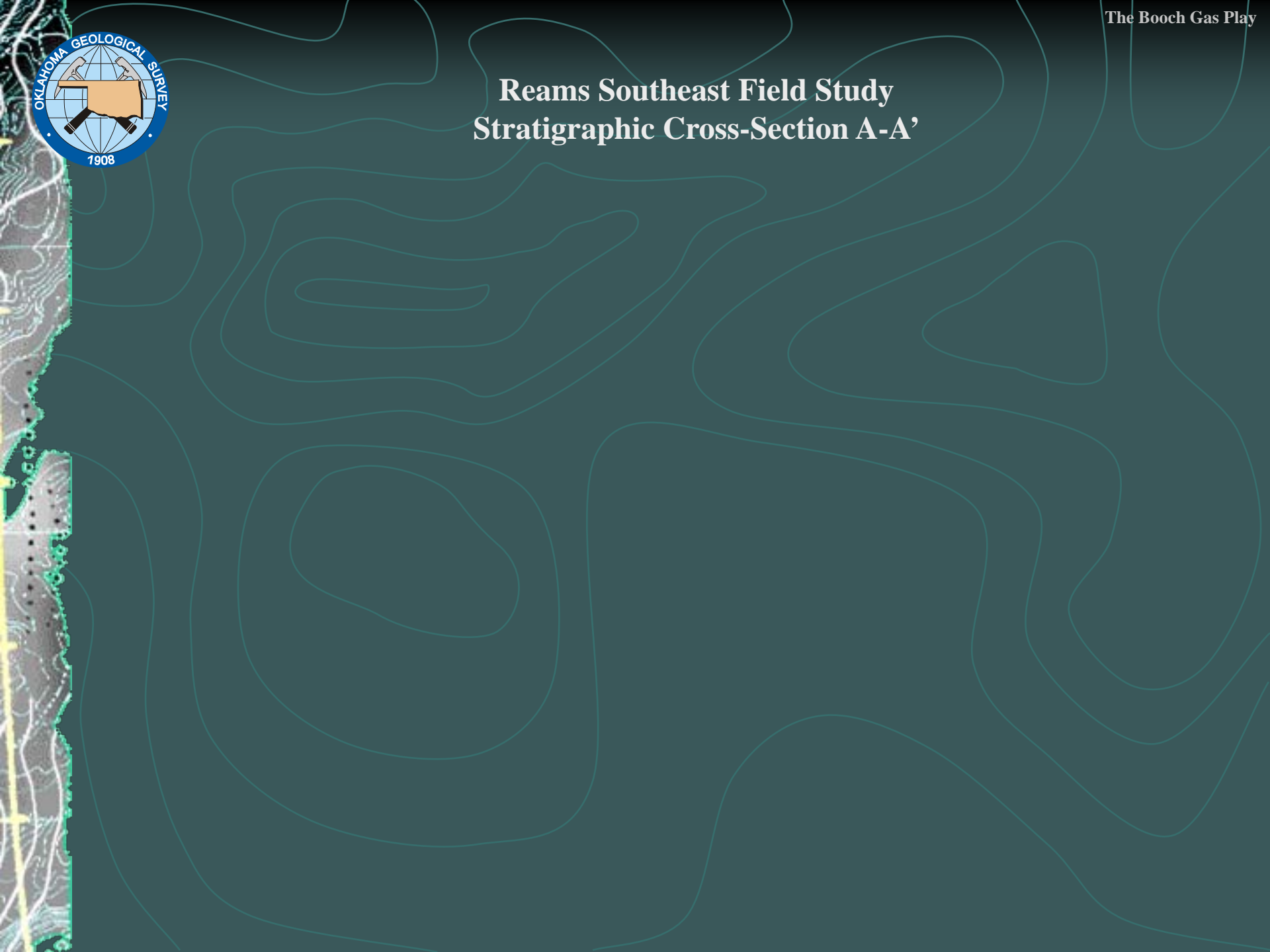
Reams Southeast Field Study

PS-2 Net Sand Isopach



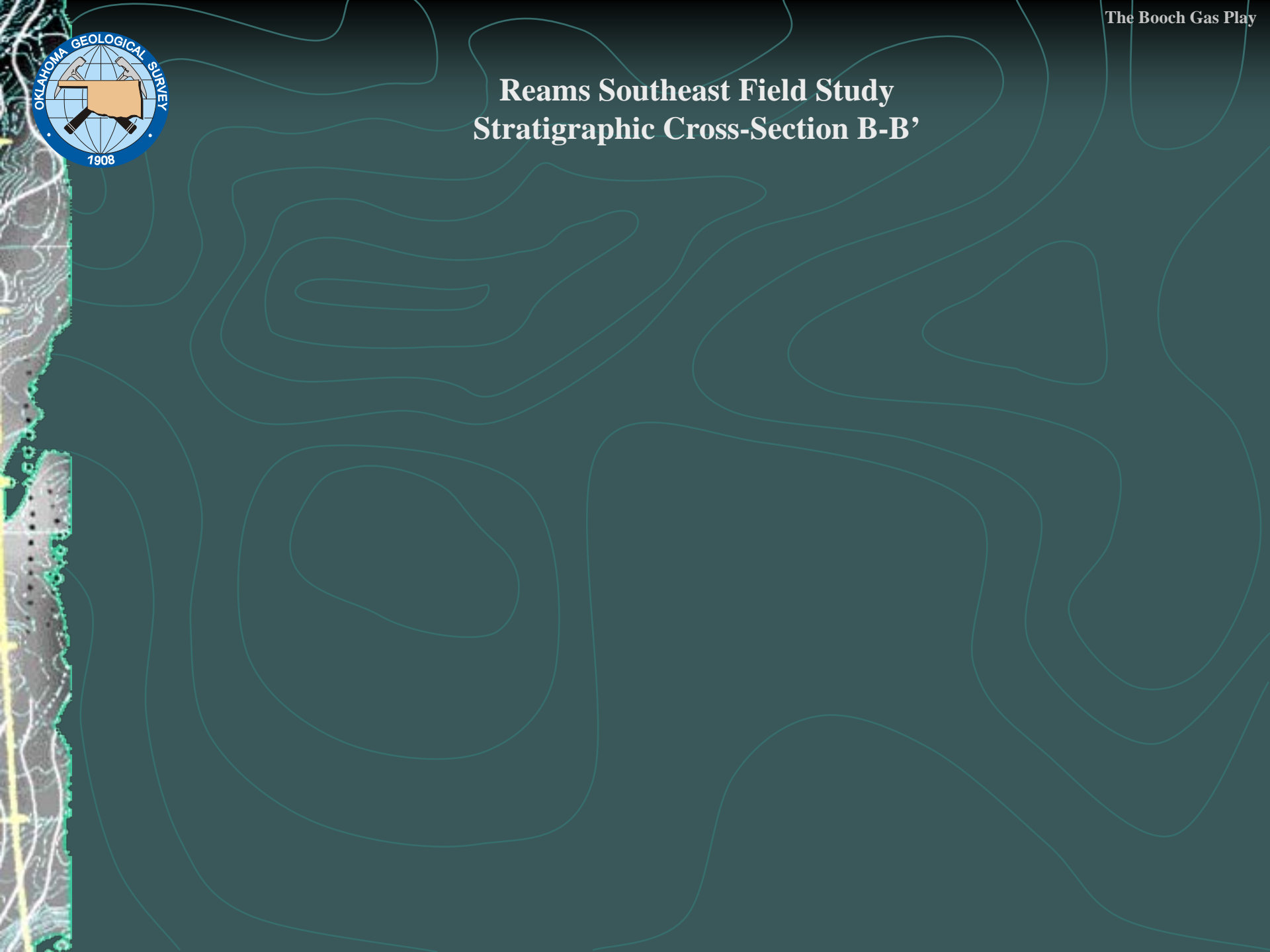


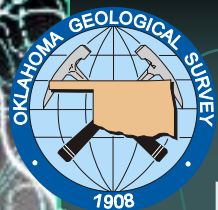
Reams Southeast Field Study Stratigraphic Cross-Section A-A'



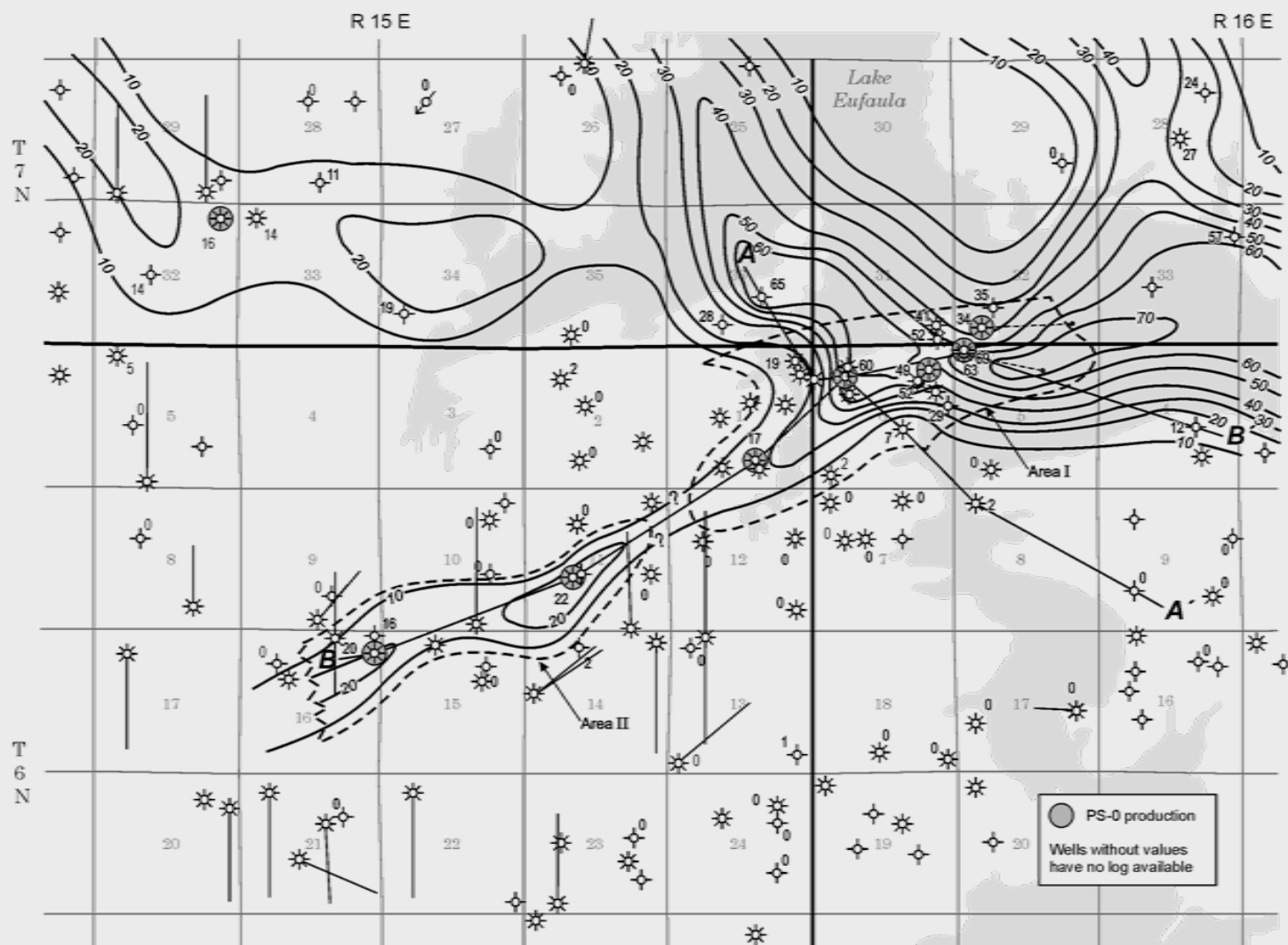


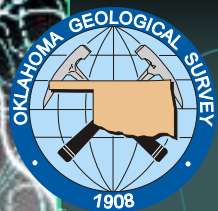
Reams Southeast Field Study Stratigraphic Cross-Section B-B'





Reams Southeast Field Study PS-0 Net Sand Isopach



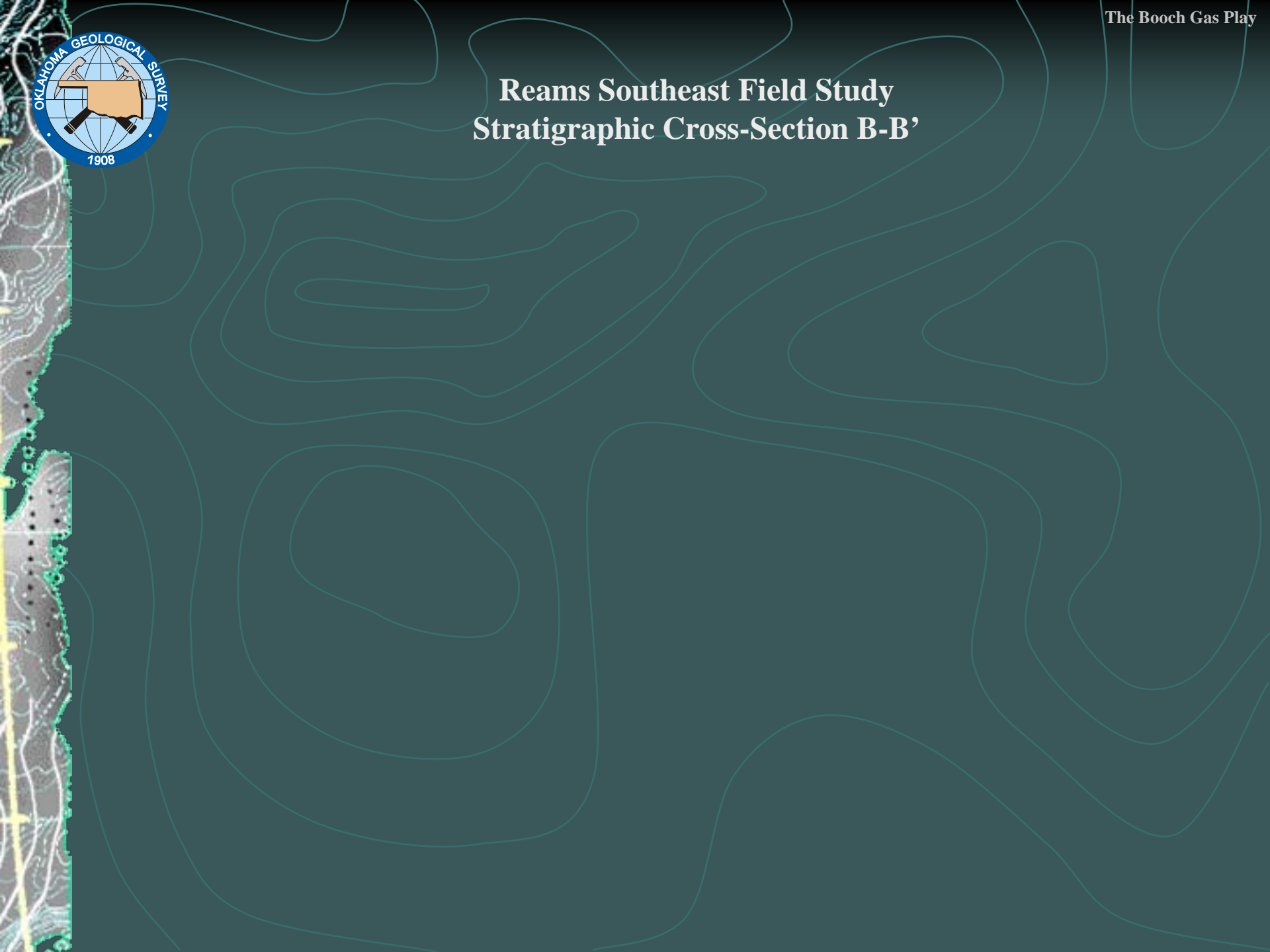


Reams Southeast Field Study Stratigraphic Cross-Section A-A'



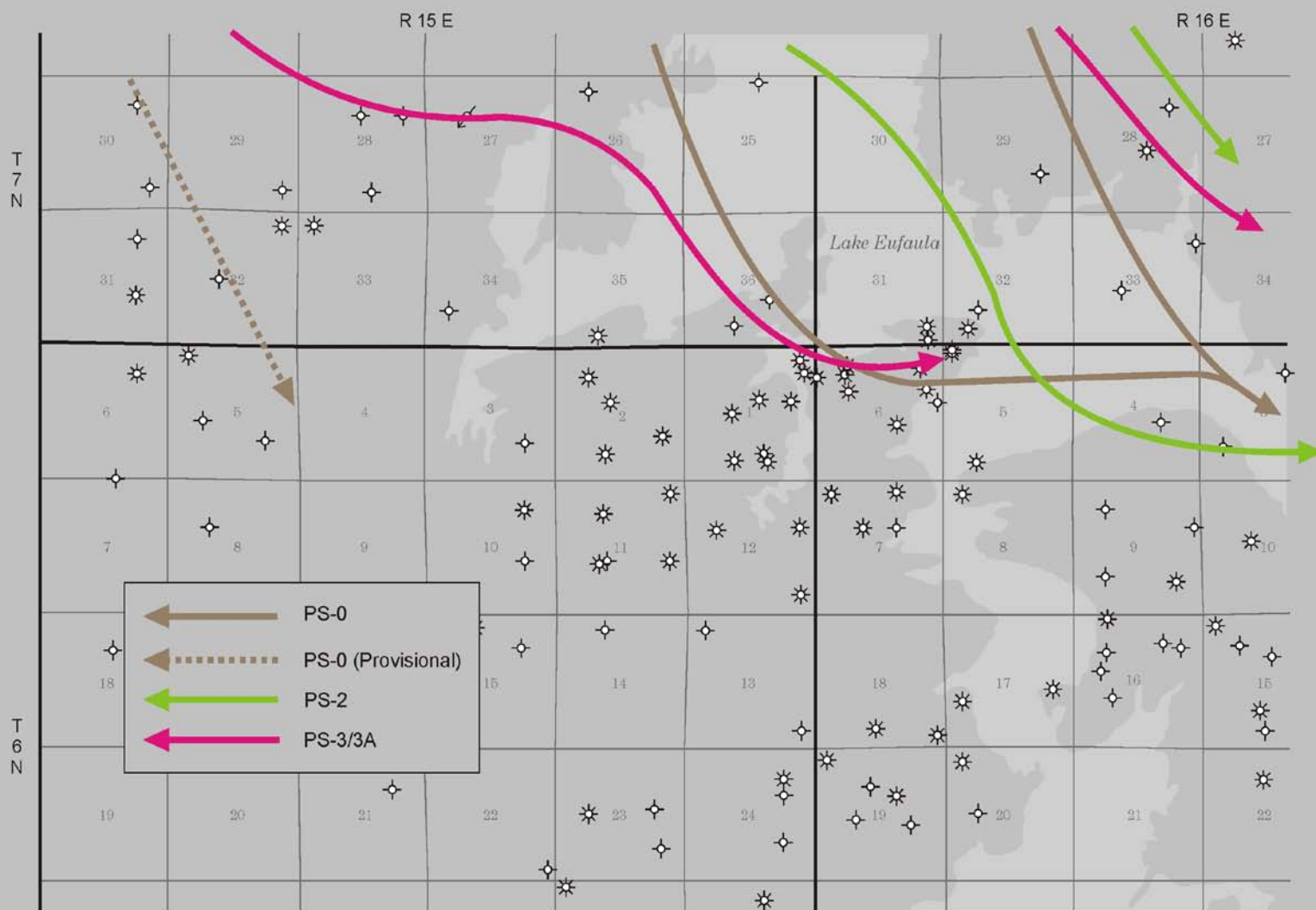
Reams Southeast Field Study

Stratigraphic Cross-Section B-B'





Reams Southeast Field Study Channel Orientation





Reams Southeast Field Production

TABLE 4. — Reams Southeast Field (Study Area) Booch Production

Operator name	Lease name	Well no.	Location	Status	Gas cum. (MMCF)	Booch cum. prod. (MMCF)			EUR ^a (MMCF)				PS no. ^b	Production (MCF)		
						PS-0	PS-2	PS-3	All Booch	PS-0	PS-2	PS-3		YTD	Latest month	First prod. date
XAE Corp.	USA	1	sec. 1, T6N, R15E SE NE NE	ACT	138			138	200			200	3	1,267	1,267	1997/09
Spartan Resources	Lake Eufaula	1	sec. 1, T6N, R15E NW SW SE	ACT	89	89			150	150			0	640	640	1995/09
Quench Oil & Gas Inc.	Silva	2A	sec. 11, T6N, R15E NE SW NE SW	ACT	74	74			75	75			0	40	40	1975/09
XPLOR	Cole	1	sec. 16, T6N, R15E NE NE	INA	0	0			75	75			0	0	0	
Meade Energy Corp.	Lake	1	sec. 5, T6N, R16E NW NW NW	ACT	1,079	540		540	1,150	575		575	0, 3	2,110	1,021	1976/04
Meade Energy Corp.	Lake	3	sec. 5, T6N, R16E NW NW NW	ACT	57		29	29	150		75	75	2, 3	14,035	1,171	2000/05
Meade Energy Corp.	Helms	1	sec. 6, T6N, R16E N S N NW	ACT	1,378	345		345	800	400		400	0, 3/(H) ^c	4,457	2,017	1976/04
Meade Energy Corp.	Helms 1-6	1	sec. 6, T6N, R16E N S N NW	INA	1,329	333		333	665	333		333	0, 3/(H) ^c			1976/04
Eberly & Meade Inc.	Lalman	1	sec. 6, T6N, R16E C NW SE	INA	72			72	72			72	3			1976/04
Quench Oil & Gas Inc.	P S C	4	sec. 6, T6N, R16E SW NE NE	ACT	328	328			475	475			0	3,814	1,901	1993/05
Eberly & Meade Inc.	Lake	1	sec. 32, T7N, R16E SE SW SW	INA	1,060	353	353	353	1,060	353	353	353	0, 2, 3			1976/04
Totals					5,604	2,062	382	1,810	4,872	2,436	428	2,008		26,363	8,057	

Booch cum. total: 4,254

Booch EUR total: 4,872

NOTE: Data from IHS Energy (through February 2004).

^aEstimated ultimate recovery (EUR) calculated using latest month's production 12–15 years.

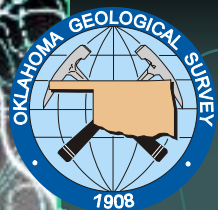
^bParasequence completed.

^cH = Hartshorne. Hartshorne commingled assigns 50% to Booch zone.



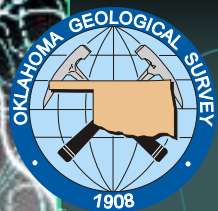
Reams Southeast Field Study Volumetric Input

<u>Interval</u>	<u>Avg. Net Sd</u>	<u>Area (ac)</u>	<u>Avg. Por</u>	<u>Avg. Sg</u>	<u>Pore Vol (Ac. Ft.)</u>
<u>PS-0:</u>					
Area I	34 ft	1207	12%	80%	3940
Area II	11 ft	839	10%	70%	646
<u>PS-2:</u>					
	40 ft	260	12%	80%	998
<u>PS-3:</u>					
	24 ft	1326	12%	80%	3055



Reams Southeast Field Study Gas Volumes

<u>Interval</u>	<u>Gas IIP</u>	<u>Cum Prod</u>	<u>E.U.R.</u>	<u>Proj. R.F.</u>
<u>PS-0:</u>				
Area I	3.776	1.988	2.286	61%
Area II	0.619	0.074	0.150	24%
<u>PS-2:</u>				
	0.957	0.382	0.428	45%
<u>PS-3:</u>				
	2.928	1.810	2.008	69%
<u>Total:</u>	8.280	4.254	4.872	Avg: 59%



Reams Southeast Field Study

Lessons Learned

- **Stratigraphic Analysis**
- **Reservoir**
- **Play Viability**