

## NORTH ARKANSAS FIELD RULE SUMMARIES

NOTE: Please refer to actual Orders for a complete & accurate reading of Field Rules.						
FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
AETNA	33-56	Logan & Franklin	Barton, Orr, Hale	1050' of C. of D.U.; S/2 of Gov. sec. and N/2 of Gov. sec. immed. Below	640	200'
	7-64	Logan & Franklin	Barton, Orr, Hale	Ext. to cover portions of Sec. 1, 2, 3 4, 9-8N-26W & Sec. 33, 34, 35, 36-9N-26W		
	16-66	Franklin	Barton, Orr, Hale	Ext. to cover S/2 Sec. 14; S/2 Sec.15; S/2 Sec. 16; Sec. 21, 22, 23, 28; N/2 Sec. 26; N/2 Sec. 27; Sec. 33-9N-27W; N/2 Sec. 4-8N-27W		
	69-66	Franklin		Est. Irr. D.U. Unit #1 part frac. Sec. 13 part Frac. Sec. 24 part AR River (572 acres) Unit #2 part Frac. Sec. 24 part Frac. Sec. 25 part AR River (578 acres)		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	29-78	Franklin	Barton, Orr, Hale	Ext. to cover S/2 Sec. 29 & N/2 Sec. 32-8N-27W		
	47-78	Logan & Franklin	Atoka & Morrow	Ext. to cover all zones w/i Atoka & Morrow		
	144-84	Franklin	Hunton	Ext. to cover Hunton		
	125-86	Franklin	Hale	Multiple zones w/i Hale Sands; Amend to allow Multiple completions w/l Hales Sands		
ALBION	83-82	White	Arbuckle	1,320' FUB; Gov Sec 12-8N-8W	640	800'
ALMA	34-61	Crawford	Atoka	1000' of center; Gov Sec S/2 & N/2 located immed. South	640	350'
	14-67	Crawford	Atoka & Morrow	Amend to include all reservoirs w/i Atoka & Morrow		
	24-68A	Crawford	Atoka & Morrow	Ext. to cover S/2 Sec. 4; S/2 Sec. 5; S/2 Sec. 6; N/2 Sec. 7;N/2 Sec. 8; N/2 Sec. 9-9N-30W		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	44-87a	Crawford	Atoka & Morrow	Rescind three D.U. N/2 Sec. 4-9N-30W; S/2 Sec. 33-10N-30W; N/2 Sec. 33-10N-30W; S/2 Sec. 28-10N-30W; N/2 Sec. 32-10N-30W		
	90-90	Crawford	Lower Carpenter & above	Move N/2 20 & S/2 17 to Kibler-Williams Field		
ALMA NORTH	44-87b	Crawford	Morrow & Boone	1,320' FUB/OR# 18-71; N/2 S/2 Gov Sec	640	Rule B-15
ALTUS	34-60	Franklin & Johnson	Basal Atoka, Hale	1050' of center; Gov Sec	640	300'; Rule B-15
	7-62	Franklin	Atoka & Morrow	Amend to include Atoka & Morrow & Sec. 4-9N-26W Sec. 34-10N-26W, except for well in Dunn "A" & Jenkins		
	21-62	Franklin	Atoka & Morrow	Ext. to cover Sec. 14-9N-26W		
	25-62	Franklin	Kelly Form. & Hale Sand	Ext. to coverSec. 3-9N-26W		

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	17-63			Amend 34-60 - Rule 10 - Allow.		
	52-64	Franklin	Atoka & Morrow	Ext. to cover Sec. 23, 24, 25 & 26-9N-26W		
	74-65			Amend 34-60 - Rules 8-10		
	18-71			1320' FUB		
	67-78	Franklin	Atoka & Morrow	Ext. to cover E ½ 36-9N-26W; W ½ 31-9N-25W; E ½ 31 W ½ 32-9N-25W		
	81-78	Johnson	Atoka & Morrow	Dissolve D.U. (Sec. 18-9N-25W) & Establish S/2 7 N/2 18-9N-25W		
	17-63			Amend 34-60 - Rule 10		
	74-65			Amend 34-60 - Rules 8, 9. & 10 & Rule 1 of 17-63		
B-43	(See Rules & Regs)	Section "C" Lands: Arkansas, Cleburne, Conway, Cross, Faulkner, Independence, Jackson, Lee, Lonoke, Monroe, Phillips, Prairie, St. Francis, Van Buren, White & Woodruff Section "D" Lands: Crawford, Franklin, Johnson & Pope	Fayetteville Shale, Moorefield Shale, Chattanooga Shale	Unconventional: 560' FUB & cross - section wells, 448 from internal wells (16 wells max.) Conventional: 1120' FUB (1 well) All Commission approved Fayetteville Shale & non-Fayetteville Shale fields within Sec. "C" & "D" lands are abolished and governed by this rule. Defined as "established" or "exploratory".	640 Ac.	B-15
	006-2009-01	Cleburne		Creation of Exc. D.U.- all of Sec. 8, Part of Sec. 5-T11N-R9W	895 Ac	
	235-1-2012-09	Cleburne	Fayetteville	Omission of lands owned by US gov't in Sec. 11-T11N-R11W		
	236-1-2012-09	Cleburne	Fayetteville	Omission of lands owned by US gov't in Sec. 35-T11N-R11W		
	260-1-2012-09	Van Buren	Fayetteville	Omission of lands owned by US gov't in Sec. 8-T10N-R15W		
	264-2012-09	Van Buren	Fayetteville	Omission of lands owned by US gov't in Sec. 9-T10N-R13W for any future wells drilled after effective date of order. Pre-existing wells not impacted		
	288-1-2012-12	Cleburne	Fayetteville	Omission of lands owned by US gov't in Sec. 21-T11N-R10W		
	290-2012-12	Cleburne	Fayetteville	Omission of lands owned by US gov't in Sec. 4-T11N-R10W for any future wells drilled after effective date of order. Pre-existing wells not impacted		
B-44	(See Rules & Regs)	SEE RULE B-44	All	Unconventional: 560' FUB & wells; Middle Atoka: 560' FUB & wells' Upper Atoka & Freiburg: 560' FUB & wells; Conventional: 1120' FUB (1 well) All Commission approved fields within covered lands are abolished and governed by this rule. Defined as "established" or "exploratory"	640	B-15
	554-1-2008-10	Logan	Middle Atoka	Creation of Exc. D.U. -all of Sec. 35 & 36-T7N-R25W	1280	

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FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	068-1-2009-01	Sebastian		Omission of Lands owned by US gov't in Sec. 21, 28, & 29, T4N-R29W		
	641-1-2009-08	Logan		Creation of Exc. D.U. N/2 Sec.36-T7N-R27W & all Sec. 25-T7N-R27W		
BALDWIN	119-85	Washington	Sylamore	280' FUB; Gov ¼ ¼ Sec.	40 Ac.	100'
BARNEY	30-90	Faulkner	Hale	1,320' FUB; Gov Sec	640	Rule B-15
BATES	50-83	Scott	Middle Atoka	1000' FUB; Gov Sec	640	500'
BATSON	49-73	Johnson	Atoka & Morrow	1000' FUB; Gov Sec	640	100'; Rule B-15
	36-74	Johnson	Atoka, Morrow & Boone	1000' FUB		
BLAIR CREEK	234-87	Washington	Sylamore	280' FUB; Gov 1/4 Sec. N/2 S/2 E/2W/2	80 Ac.	Rule B-15
BLICK	16-68	Conway	Atoka	1050' C of D.U.; Gov Sec		300'
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	82-96	Conway	Atoka	Ext. to cover N/2 Sec. 32 & 33-9N-16W S/2 Sec. 32 & 33-9N-16W		
BONANZA	49-63	Sebastian	Hale & Hunton	1320' FUB; Gov Sec	640 to 800	400'
	38-63	Sebastian	Hale & Hunton	1320' FUB; Gov Sec	640	400'
	29-64	Sebastian	Hale, Hunton, Middle Atoka &	1320' FUB; Gov Sec	640 to 850	400'
	88-65			Amend 44-63 & 29-64 - Allow.		
	13-67	Sebastian	Hale, Hunton, Middle Atoka & Spiro	Ext. to cover Sec. 8; N/2 Sec. 17-6N-32W; (Unit 1); S/2 Sec. 17-6N-32W (Unit 2)		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	71-78	Sebastian	Hale, Hunton, Middle Atoka & Spiro	Ext. to cover Sec. 34-7N-31W (Unit 1) Sec. 35 (except N/2 NE/4 & SE/4 NE/4) & SW/4 SW/4 Sec. 36-7N-31W (Unit 2)		
	70-82			Amend 49-63 - Reform to irreg. oversized unit		
	149-82	Sebastian	Atoka, Morrow, Hunton & Penters	Ext. to cover all zones w/i Atoka, Morrow, Hunton, & Penters Chert		
	8-92	Sebastian, Logan & Scott	Atoka Upper & Mid. (Alma & Basham)	Designation of "Tight Formation"		
	50-98	Sebastian		Ext. to cover Frc. 29 & N/2 Frc. 32-T6N-R32W	651.21	
	320-2007-07	Sebastian	Atoka	560' FUB & wells - Amend 38-63, allow auto. Ext. in northern T6N of Atoka		

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FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	405-2007-08	Sebastian	Atoka	560' FUB Amend 38-63, allow auto Ext. in northern T6N of Atoka		
	152-2008-03	Sebastian	Atoka	560' spacing in Sec. 11-6N-32W and automatic extensions thereto. 560' spacing requirement for automatic extensions thereto limited to northern limit of Township 6 North in Sebastian County.		
	General Rule B-44			Partial rescission of existing Field Rules, see General Rule B-44		
BOONEVILLE	21-58 a & b	Sebastian	Atoka	1050' C of D.U.; Gov Sec	640	200'
	28-61	Logan	Atoka	Ext. to cover Sec. 7-6N-28W		
	53-64		Atoka	Amend 21-58A & B to cover 24-T6N-R29W less 108.5 ac. In Ft. Chaffee		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	196-83	Logan	Atoka	Ext. to cover Sec. 1-6N-28W		
	101-84	Franklin	Atoka	Ext. to cover Sec. 36-7N-28W		
	206-85	Sebastian		Rescind 13-T6N-R29W except portions in Ft. Chaffee		
	26-94	Franklin	Atoka (Pnilmon)	280' FUB	80	Rule B-15
	34-95	Franklin	Hartshorne	280' FUB	40	Rule B-15
	78-95	Franklin	Atoka	Amend to cover Sec. 25 & 26-7N-29W		
	86-2001-05	Logan	Upper Borum	Field Wide		
	122-2002-09	Logan, Franklin, & Sebastian	Middle Atoka (Basham, Nichols, Turner and Borum Sands)	Amend - SEE ORDER, Reg. 1/4 gov. sec., 1320' from ext. boundary & 560' from interior boundary	160	
	34-2003-03(3)			Amend 122-2002-09 to remove allow. penalties		
	84-2003-07	Logan, Franklin, & Sebastian	MIDDLE ATOKA SANDS	Amend to 560' FUB & wells; 1/2 Gov 1/4 sec., stand up or lay down	80	
	130-2004-10	Logan, Franklin, & Sebastian	WASHBURN ANTICLINE UPPER & MIDDLE ATOKA	560' FUB - Amend to delete 80-ac. subdv. ref.,	640	
	General Rule B-44			Partial rescission of existing Field Rules, See Rule B-44		
	463-2010-07	Franklin	Lower Carpenter and/or Basham Sand	Sec. 25 & 26-7N-29W. Lower Carpenter and/or Basham in both units the same as Middle Atoka,		
BRENTWOOD	45-77	Washington	Wedington	280' FUB; rectangular sec.	80	100'
	42-78	Washington	Wedington	Amend Surface casing		60'
BROCK CREEK	32-91	Logan	Atoka	1320' FUB - 12-7N-23W; Gov Sec	640	Rule B-15
	5-92	Logan	Bell Zone of the Atoka Formation	280' FUB; Gov 1/4 Sec N/2, S/2, E/2, W/2	80	Rule B-15
	61-93	Logan	Upper Alma	Designation as "Tight Formation"		
	15-2002-02	Logan		Amend to provide a stripper gas well designation		

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	<b>General Rule B-44</b>			Partial rescission of existing Field Rules, See Rule B-44		
CAULKSVILLE	<b>80-65</b>	Logan	Basal Atoka (Orr)	1329' FUB; Gov Sec	640	400'
	<b>71-67</b>	Logan	Atoka & Morrow	Ext. to cover Sec. 16 & 17-7N-27W		
	<b>18-71</b>	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	<b>187-80</b>	Logan	Hunton	Ext. to cover Sec. 6-7N-27W		
	<b>General Rule B-44</b>			Partial rescission of existing Field Rules, See Rule B-44		
	<b>443-1-2008-08</b>	Logan & Franklin	Tackett	Exc. Drilling Unit. S/2 Sec. 35 & S/2 Sec. 36-T8N-R27W & N/2 of Sec. 1-7N-R27W	960	
	<b>546-1-2010-10</b>	Logan	Middle and Lower Alma	Exc. Drilling Unit S/2 Sec. 1-7N-27W & N/2 Sec. 12-7N-R27W	640	
	<b>588-2010-12</b>	Logan & Franklin	Desmoinesian Interval	Amend Field Rules to Include entire Desmoinesian Geologic Interval		
	<b>218-1-2011-08</b>	Logan	Lower Carpenter	Two (2) Exc. Units: (1) N/2 Sec. 15-T7N-27W & N/2 Sec. 16-T7N-27W; (2) S/2 Sec. 15-T7N-R27W & S/2 Sec. 16-T7N-R27W.	640	
	<b>338-1-2011-12</b>	Logan		S/2 of Sec. 6 & N/2 of Sec. 7-T7N-R26W. 338-2-2011-12 for Exc. Loc.	640	
CECIL	<b>14-50</b>	Franklin	Hale	660' C of Gov. Sec.	640	250'
	<b>32-50</b>	Franklin	Atoka	Amend Field Rules Dual Completions		
	<b>6-51</b>	Franklin	Atoka	Clarify Ord. 32-50 - Dual Completions		
	<b>35-52</b>			Amend 14-50 - Delete Rule VIIA		
	<b>27-57</b>	Franklin	Atoka	1980' FUB (Amend 14-50)		
	<b>20-62</b>	Sebastian		Amend 39-61 to dissolve 25-T9N-R30W & create 2 new irreg. units	690	
	<b>30-62</b>	Sebastian		Ext. to cover 36-T9N-R30W		116
	<b>39-61</b>	Franklin	Atoka & Hale	Extension of field rules to cover Sec. 36-9N-30W Sec. 6-8N-29W, (840). Sec. 25-9N-30W; Gov Sec		
	<b>44-62</b>	Franklin	Atoka	Ext. to cover portions of Sec. 3, 4, 5, 6, 7, 8, 9, 10, 18-9N-28W; Sec. 30, 31-9N-27W; Sec. 7, 8, 9, 10, 11, 12-8N-28W; Sec. 7, 8, 9, 10, 11, 12-8N-29W; Sec. 13, 14, 21, 22, 27, 28 & 29-9N-29W		
	<b>8-64</b>	Franklin		Amend to cover Frc. 4-T9N-R27W & part of bed of AR River lying bet. High water mark on SE & NW banks as described; Fr. 13-T9N-R28W, Frc. NW/4 7-T9N-R27W & part of bed of AR River as described.	660	
	<b>66-64</b>			Amend 14-50 - Allow.		
	<b>22-65</b>	Franklin	Atoka	Ext. to cover portions of 1, 2, 3, 4, 9,10,11,12,13,14,15, 16-9N-27W		

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	70-66	Crawford & Franklin	Atoka	Ext. to cover Sec. 2-9N-29W (640) Unit 1; Sec. 15-9N-29W (575) Unit 2; W ¼ Sec. 11-9N-29W; Sec. 14-9N-29W (685) Unit 3; E/4 Sec. 11-9N-29W; Sec. 12-9N-29W (705) Unit 4		
	76-67	Franklin	Pre-Pennsylvanian	Ext. to cover Pre-Pennsylvania		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	73-84	Franklin	Hale	Amend - Multiple completions		
	69-93 & 109-81	Franklin	Atoka, Morrow Group & Pre-Pennsylvanian	Ext. to cover 35-T10N-R28W		
	405-84	Franklin	Atoka - Upper Alma	660' FUB - Amend spacing and unit size 160 acre increased density unit & Ext. to cover S/2 SE/4 of Sec. 30 & N/2 NE/4 of Sec. 31-10N-27W. Sec. 29, 30, 31, 32-10N-27W	160	
	74-95			Comm.		
CENTERTON	55-81	Benton	Sylamore	330' FUB; 2 Gov ¼ ¼ E/2 W/2 Sec.	80	100'
	93-81	Benton	Sylamore	Amend unit size; Gov ¼ ¼ sec.	40	
	105-91	Benton	Sylamore	Dissolve D. U. E/2 SE/4 SE/4 & W/2 SW/4 SW/4 Sec 3-19N-21W (Unit 1); W/2 SE/4 S/4 E/2 SW/4 SE/4 Sec. 4-19N-21W (Unit 2); Reform D.U. SW/4 SW/4 Sec. 3-19N-31W (Unit 1); SE/4 S/4 Sec.4-19N-31W (Unit 2); Gov ¼ ¼ sec.	40	
CENTER RIDGE	73-2005-05	Conway	All formations from surface of earth to base of Boone. Well bore currently commingled in Boone and Moorefield formations	1,320' FUB - Section 35-9N-15W	640	500'
CHAFFEE ARKOMA	83-98	Franklin & Sebastian	Atoka	1,320' Delete acreage from Ewing, Gragg, Greenwood & Ursula to form this unit.		
	General Rule B-44			Partial rescission of existing Field Rules, See Rule B-44		
CHAMBERS	112-2001-06	Sebastian	Hartshorne Coal	Vertical 280' FUB & Horizontal 200' FUB		300'
	170-2001-11	Sebastian	Hartshorne Coal	Amend and clarify Ord. 112-2001-06 - 280' from pinnate unit boundaries		
	436-2007-09	Sebastian	Hartshorne Coal	Amendment of Casing Requirements for Coalbed Methan Gas Wells		
	506-1-2007-10	Sebastian	Hartshorne Coal	280' FUB (internal) & 200' FUB (External) Establish Field-Wide Unit	242.43	

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CHISMVILLE	46-78	Logan	Atoka	1,320' FUB/OR# 18-71; Gov Sec N/2 & S/2 of adjoining sec.	640	400'
	80-78	Logan	Atoka	Ext. to cover Sec S ½ 3,4,5-6N-27W, N ½ 8,9, 10-6N-27W		
	5-80	Logan	Atoka	Ext. to cover Sec. S ½ 34-7N-27W N ½ 3-6N-27W		
	25-80	Logan	Atoka	Ext. to cover Sec S ½ 8,9,10-6N-27W N ½ 15,16,17-6N-27W		
	72-80	Logan	Atoka	Ext. to cover Sec. S ½ 35-7N-27W N ½ 2-6N-27W		
	7-81	Logan	Atoka	Ext. to cover Sec. 6 & 7-6N-27W, 12-6N-28W		
	6-82	Logan	Atoka	Ext. to cover Sec. 31 & 32-7N-26W, Sec. 5,6,7,8-6N-26W		
	164-82	Logan	Atoka	Ext. to cover Sec. S ½ 12,15, 16-6N-27W N ½ 13,21,22-6N-27W		
	168-82	Logan	Atoka	Ext. to cover Sec. 18-6N-27W		
	65-83	Logan	Atoka	Ext. to cover Sec. 13-6N-28W		
	145-83	Logan	Atoka	Ext. to cover Sec. 24-6N-28W 19-6N-27W S ½ 17, N ½ 20-6N-27W, Amend Loc. Prov. N/2 S/2		
	192-83	Logan	Atoka	Ext. to cover Sec. S ½ 11-6N-27W N ½ 14-6N-27W		
	224-83	Logan	Atoka	Ext. to cover Sec. S ½ 14-6N-27W, N ½ 23-6N-27W		
	294-83	Logan	Atoka	Ext. to cover Sec. 25-6N-28W, Sec. 30-6N-27W		
	11-84	Logan	Atoka	Ext. to cover Sec. S ½ 23-6N-27W, N ½ 26-6N-27W, Amend Loc. Prov. N/2 S/2		
	30-84	Logan	Atoka	Ext. to cover Sec. S ½ 20-6N-27W, N ½ 29-6N-27W, Amend Loc. Prov. N/2 S/2		
	45-84	Logan	Atoka	Ext. to cover Sec. 3,4,9, 10-6N-26W Sec. 33,34-7N-26W		
	50-84	Logan	Atoka	Ext. to cover Sec. S ½ 22, N ½ 27-6N-27W, Amend Loc. Prov. N/2 S/2		
	102-84	Logan	Atoka	Ext. to cover Sec. 6-6N-27W		
	127-84	Logan	Atoka	Ext. to cover Sec. S ½ 21-6N-27W, N ½ 8-6N-27W		
	169-84	Logan	Atoka	Ext. to cover Sec. S ½ 13, N ½ 24-6N-27W		
	199-84	Logan	Atoka	Ext. to cover Sec. Sec. 29-6N-27W, 32-6N-27W, Amend Loc. Prov. N/2 S/2		
	216-84	Logan	Atoka	Ext. to cover Sec. N ½ 4-6N-27W		
	222-84	Logan	Atoka	Ext. to cover Sec. N ½ 5-6N-27W		
	223-84	Logan	Atoka	Ext. to cover Sec. S ½ 24-6N-27W, N ½ 25-6N-27W		
	273-84	Logan	Atoka	Amend 46-78 to delete Par. 3C		
	287-84	Logan	Atoka	Ext. to cover Sec, 19-6N-26W		
	201-1985	Logan	Atoka	Rescind S/2 32, S/2 33, S/2 34-T6N-R27W, N/2 3, N/2 4 & N/2 5-T5N-R27W		
	93-94	Logan	Atoka (Upper Borum)	Amend Multiple Completions Sec.16-6N-27W		

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	53-95 & Corr.	Logan	Atoka (Basham & Nichols Sands)	280' - Sec. 7-T6N-R27W; N/2, S/2, E/2, W/2 of Gov. 1/2 sec.	80	
	100-96	Logan	Atoka (Basham & Nichols Sands)	280' FUB - Sec. 12-6N-28W; Gov N/2 S/2 E/2 W/2 ¼ Sec.	80	
	122-2002-09	Logan, Franklin, & Sebastian	Middle Atoka (Basham, Nichols, Turner and Borum Sands)	Amend - SEE ORDER, Reg. 1/4 gov. sec., 1320' from ext. boundary & 560' from interior boundary	160	
	34-2003-03(3)			Amend 122-2002-09 to remove allocation penalties		
	84-2003-07	Logan, Franklin, & Sebastian	MIDDLE ATOKA SANDS	Amend to 560' FUB & wells; 1/2 Gov 1/4 sec., stand up or lay down	80	
	130-2004-10	Logan, Franklin, & Sebastian	WASHBURN ANTICLINE UPPER & MIDDLE ATOKA	560' FUB - Amend to delete 80-ac. subdv. ref.,	640	
	27-2005-05	Logan	Borum A & C, Upper	Comm.		
	26-2005-05	Logan	Borum A & C, Upper	Comm.		
	123-2007-03	Logan	Turner & Borum	Ext. to cover N/2 Sec. 34 & N/2 Sec. 35-T7N-R27W		
	562-2007-12	Logan	Middle Atoka	Include Freiburg Sandstone in Middle Atoka		
	General Rule B-44			Rescind existing Field Rules, See Rule B-44		
CLARKSVILLE	18-66	Johnson	Atoka & Hale	1320' FUB; Gov Sec N/2 S/2	640	275'
	59-68	Johnson	Atoka & Hale	Ext. to cover Sec. S ½ 10, N ½ 15-10N-24W; S ½ 11, N ½ 14-10N-24W; S ½ 12, N ½ 13-10N-24W; S ½ 13, N ½ 24-10N-24W; S ½ 14, N ½ 23-10N-24W; S ½ 15, N ½ 22-10N-24W		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	140-85	Johnson		Ext. to cover 29 & 30-10N-24W (from Union City) 1,320' FEL or FWL & 1,170' FNL or FSL		
	71-90	Johnson	Hale	Amend - Multiple completions		
CLINTON NE	63-96	Van Buren	Hale	330' FUB - SE/4 24-10N-16W	160 - Gov ¼ Sec.	Rule B-15
	171-2001-11	Van Buren		Reinstate field rules		
	16-2004-02	Van Buren		Reinstate field rules which had expired		
CNR HARTFORD	44-2003-04	Sebastian	Hartshorne Coal	280' from external B. & horiz. Pennate legs 200' - Establish Field Wide Unit - Multiple pinnate wells		
	17-2004-02(4)	Sebastian	Hartshorne Coal	Amend to include casing requirements	300' for vertical cavity & 150' for articulated lateral	
	169-2007-03	Sebastian	Hartshorne Coal	Amend to allow use of vaccum pumps for certain wells - (Exception to General Rule B-32)		
COAL HILL	3-60	Johnson	Hurst & Sells	1050' C of Gov Sec S/2 & N/2 immed. Below	640	400'
	63-67			Amend 3-60 - Rules 8, 9 & 10		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		



## NORTH ARKANSAS FIELD RULE SUMMARIES

NOTE: Please refer to actual Orders for a complete & accurate reading of Field Rules.						
FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	172-83	Johnson	Atoka & Morrow & Hale	Ext. to cover Atoka & Morrow & Multiple completions in Hale		
	24-84	Johnson	Atoka & Morrow	Ext. to cover Sec. N½ Sec. 26 & S½ Sec. 23-10N-25W		
	82-84	Johnson	Atoka & Morrow	Ext. to cover Sec. S½ Sec. 22 & N½ Sec. 27-10N-25W		
	84-84	Johnson	Atoka & Morrow	Ext. to cover Sec. S½ Sec. 7 & N½ Sec. 18-10N-25W		
	14-87	Johnson	Atoka & Morrow	Ext. to cover Sec. S/2 Sec. 14 & N/2 Sec. 23-10N-25W, N/2 14 N/2 15-10N-25W		
	61-92	Johnson	Atoka, Morrow & Penter/Hunton	Ext. to cover Atoka, Morrow, & Penter/Hunton		
DELAWARE	39-70	Logan	Atoka	1320' FUB; Gov Sec	640	200'
	18-71			1,320' FUB/OR# 18-71		
	118-80	Logan	Atoka	Ext. to cover Sec. 29-8N-22W		
	304-84	Logan	Atoka			
	61-93	Logan	Alma, Upper	Designation of Tight Formation		
DOVER	5-60	Pope	Atoka	1050' C of Gov. Sec.	640	250'
	31-60	Pope	Hale	1050' C of Gov Sec		
	59-64	Pope	Casey, Upper & Lower Allen, Barton 'A' & 'B', Basel Atoka & Hale	Ext. to cover Casey, Upper & Lower Allen, Barton 'A' & 'B', Basal Atoka & Hale		
	39-65	Pope	McGuire	Ext. to cover McGuire Sand (Sec. 16-9N-20W)		
	82-65			Amend 5-60, 31-60, 59-64 - Allow.		
	73-66	Pope	(All sands above)	Ext. to cover Sec. 9-9N-20W		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	47-72	Pope	Atoka & Hale	Dissolve F.R. for Booger Hollow & Reclassify D.U. Sec. 33-10N-20W Sec. 4-9N-20W as in Dover		
	114-88	Pope	Hale	Amend Field Rules (Fieldwide) Multiple Completions		
	306-84	Pope	Penters	Amend to extend to Penters Formation		
	29-96 Corr.	Pope	Barton "B"	Dissolve D.U. (2 & 3-T9N-R20W) & Reform	1275.56	
	37-97	Pope	Upper Hale & Basal Atoka	Dissolve D.U. (Sec 9 & 10-9N-20W), Reform Irr. Oversized D.U. (Sec. 9 & 10-9N-20W)		
	56-2003-05	Pope	Boone, Viola & St. Peter	Sec. 32 and Sec. 33-10N-20W		
	145-2004-12	Pope		Ext. to cover 32 & 33-T10N-R20W	1280	
DRIPPINGS SPRINGS	66-83	Crawford	Morrow & Boone	1,320' FUB/OR# 18-71; Gov Sec		200'
	412-84	Crawford	Atoka	Ext. to cover Sec. 22-10N-32W		
DYER	43-64	Crawford	Atoka	1320' FUB; Gov Sec		250'
	40-70			Amend Allow.		
	64-70	Crawford	Morrow	Ext. to cover Sec. 7-9N-29W		

## NORTH ARKANSAS FIELD RULE SUMMARIES

NOTE: Please refer to actual Orders for a complete & accurate reading of Field Rules.						
FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	16-73	Crawford	Atoka & Morrow Group	Redesignate 1-T9N-R30W from Kibler-Williams to Dver & Dissolve unit 1 & 12-T9N-R30W		
EWING	4-65	Crawford & Sebastian	Atoka (below 3500') & Hale	1320 FUB	Unit #1 - 804.10 acres Unit #2 - 789.40 acres Unit #3 - 671.30 acres	350'
	28-68	Sebastian	Atoka	Ext. to cover 26-29-T8N-R30W		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	59-72	Crawford & Sebastian	Atoka (below 3500') & Hale	Ext. to cover Sec. 6, 9, & 10-7N-30W Sec. 5-7N-30W, Part of Sec. 4-7N-30W		
	34-75	Crawford & Sebastian	Penters	Ext. to cover 7-7N-30W & 8-7N-30W		
	14-78	Crawford & Sebastian	Atoka (below 3,500'), Hale & Penters	Ext. to cover Sec. 1-7N-30W		
	102-79	Crawford & Sebastian	Atoka (below 3,500'), Hale, Penters & Hunton	Ext. to cover Hunton Sec. 8-7N-30W		
	40-94		St. Peter			
	83-98	Franklin & Sebastian	Atoka	1320' FUB - Add Ac. from Ewing, Gragg, Greenwood & Ursula to form Chaffee Arkoma Unit		
	134-1-2008-02 & 134-2-2008-02	Sebastian		Amend to allow creation & creation of a 1280 acre borehole D.U. - all Sec. 26 & 35-T8N-R30W for the Cecil Jones #5 Well	1,280	
EXCELSIOR	67-70	Sebastian	Atoka	1320' FUB; Gov Sec		200'
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	8-92	Sebastian, Logan & Scott	Atoka Upper & Mid. (Alma & Basham)	Designation of "Tight Formation"		
	103-2005-07 & Corr.	Sebastian	Atoka	560' FUB or well - Sec. 19, 20, 21, 28, 29, 30, 31, 32 & 33-T6N-R31W & Sec. 25, 35, 36-T6N-R32W & Sec. 1, 2, 11 & 12-T5N-R32W; & Sec. 6-T5N-R31W	640	
	76-1-2008-02	Sebastian	Atoka	Extend to include 17-T6N-R31W and considered controlled zones		
	General Rule B-44			Rescind existing Field Rules, See Rule B-44		
FERN SPRINGS	35-82	Franklin	Wedington	1,000' FUB; Gov Sec		400'
	33-93	Franklin	Wedington & Boone	Ext. to cover Sec.6-11N-28W		

## NORTH ARKANSAS FIELD RULE SUMMARIES

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FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
FLETCHER CREEK	<b>65-66</b> <b>18-71</b>	Logan Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell	Atoka	1050' FUB; Gov Sec 1,320' FUB - All gas wells		200'
	<b>45-2002-04</b>	Logan		Dissolve regular gov. Sec. 13 & 24, T5N-R28W, & form in lieu unit composed of S/2 Sec.13 & N/2 Sec.24 T5N-R28W		
	<b>General Rule B-44</b>			Rescind existing Field Rules, See Rule B-44		
FRIENDSHIP CHURCH	<b>47-87</b>	Washington	Sylamore & Boone	280' FUB; Gov 1/4 1/4 Sec	40	Rule B-15
FROG BAYOU	<b>68-92</b>	Crawford	Atoka	1000' FUB; Gov Sec		Rule B-15
FURGERSON	<b>22-66</b> <b>18-71</b>	Pope Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell	Atoka & Hale	1050' FUB; Gov Sec 1,320' FUB - All gas wells		300'
	<b>28-79</b>	Pope	Atoka & Hale	Ext. to cover Sec. 5-8N-20W		
GOOSE CREEK	<b>183-85</b>	Washington	Sylamore	280' FUB; Gov 1/4 1/4 Sec	40	100' or cement longstring
GRAGG	<b>55-60</b> <b>27-61</b>	Logan & Sebastian Sebastian	Atoka Atoka	1050' C of D.U.; Gov Sec Ext. to cover Sec. 19,20,29,30,31,32-6N-29W, Sec. 25,26,27,28,29,32, 33,34,35, & 36-6N-30W; 20 & 30- 6N-29W		300'
	<b>35-61</b>	Sebastian	Atoka	Ext. to cover SW/4 SE/4 & SE/4 SW/4 & S/2 SW/4 SW/4 Sec. 16 & Sec. 21-6N-29W (except N 30 acres NE/4 NE/4)	710	
	<b>41-61</b>	Sebastian	Atoka	Ext. to cover S/2 & NE/4 & S/2 NW/4 & S 34 acres of NE/4 NW/4 & S/2 NW/4 NW/4 of Sec. 20-6N-29W	614	
	<b>42-61</b>	Sebastian	Atoka	Ext. to cover S/2 & S/2 N/2 of Sec. 22-6N-29W	480	
	<b>47-61</b>	Sebastian	Atoka	Ext. to cover Sec. 21-6N-30W		
	<b>14-62</b>	Sebastian		Comm.		
	<b>6-64</b>	Sebastian	Atoka	Ext. to cover S/2 & S/2 NE/4 & SE/4 NW/4 Sec. 24-6N- 30W (440 acres)		
	<b>31-64 &amp; Corr.</b>			Amend 55-60 - Allow.		
	<b>85-65</b>			Amend 55-60 & 31-64 - Allow.		

## NORTH ARKANSAS FIELD RULE SUMMARIES

NOTE: Please refer to actual Orders for a complete & accurate reading of Field Rules.						
FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	75-82	Sebastian	Atoka	Reform 55-60 & 42-61 as 22-T6N-R29W	640	
	264-83	Sebastian	Atoka	Ext. to cover Sec. 9-6N-30W		
	207-85	Sebastian	Atoka	Ext. to cover 13 & 24-T6N-30W lying within Ft. Chaffee		
	208-85	Sebastian	Atoka	Ext. to cover 17-T6N-R29W & 20-T6N-R29W	680	
	18-86	Logan	Nichols	Amend Field Rules (Multiple Completions)		
	109-86	Sebastian	Borum	Amend Field Rules (Multiple Completions)		
	8-91	Sebastian	Atoka	Ext. to cover 13 & 24-T6N-30W lying within Ft. Chaffee	840	
	8-92	Sebastian, Logan & Scott	Atoka Upper & Mid. (Alma & Basham)	Designation of "Tight Formation"		
	83-98	Franklin & Sebastian	Atoka	Deletion of Acreage to form Chaffee Arkoma Unit		
	8-2003-01	Sebastian	Middle Atoka	Sec. 19-36-6N-30W		
	55-2003-05	Sebastian	Middle Atoka	Ext. to provide for unit subdivisions. See Notice for description.		
	120-2003-10	SEBASTIAN		Delineate unit subdivisions & establish 560' FUB adjoining Ft. Chaffee. SW/4 24-T6N-R30W (160 ac.); SE/4 24-T6N-R30W (160 ac.) & S/2 NE/4 & SE/4 NW/4 24-T6N-R30W (120 ac.)		
	89-2004-07	SEBASTIAN	UPPER AND MIDDLE ATOKA	Delete ref. to 160 ac. unit subdivisions and est. 750' bet. Completions; sep. prod. allowables for completions closer than 750'. 560' FUB	640	
	23-2006-02	Sebastian & Faulkner	Atoka & Arbuckle	1,320' FUB - Sec. 26-T6N-30W		300'
	General Rule B-44			Rescind existing Field Rules, See Rule B-44		
GREENBRIAR	182-84	Faulkner	Morrow	1,320' FUB/OR# 18-71; Gov Sec		500'
GREENWOOD	26-69	Sebastian	Atoka	1320' FUB; Gov Sec		400'
	6-70	Sebastian	Atoka	Ext. to cover 3-T6N-R30W, except Lots 1-5 & N. 330' Lot 10 (510.79 ac.); SE/4 & S/2 SW/4 & S/2 NE/4 SW/4 33-T7N-R30W & N/2 4-T6N-R30W, except Lot 6 & 330' off N. side Lot 7 (623.19 ac.); S/2 Sec.4 & N/2 Sec. 9-T6N-R30W (640 ac.); S/2 SE/4 SE/4 32-T7N-R30W & Sec. 5 except pt. of Lot 2 lying N. & W. of Oak Grove Creek (716.65 ac.); 8-T6N-R30W (640 ac.); S/2 Lot 1 Sec. 31-T7N-R30W & 6-T6N-R30W, except W/2 Lot 2, & N/2 Lot 3 & Lots 4 & 5 (740.49 ac.); 7-T6N-R30W (725.72 ac.); 12-T6N-R31W (640		

## NORTH ARKANSAS FIELD RULE SUMMARIES

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FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	300-84	Sebastian	Atoka	Ext. to cover Sec. 4 & 6-6N-30W Sec. 31 & 33-7N-30W, 32-7N-30W & (Except S ½ SE ¼ SE ¼) Lot 2 of Sec. 5-6N-30W		
	83-98	Franklin & Sebastian	Atoka	Deletion of Acreage to form Chaffee Arkoma Unit		
	General Rule B-44			Rescind existing Field Rules, See Rule B-44		
HAGARVILLE	10-72	Johnson	Atoka	1,320' FUB; Gov Sec	640	200'
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
HARDT	235-87	Washington	Wedington, Boone & Sylamore	280' FUB; N/2 S/2 E/2 or W/2 Gov 1/4 Sec	80	Rule B-15
HARTFORD	94-2002-07	SEBASTIAN	HARTSHORNE COAL	280' FUB - SEC. 20, 29 AND 30-4N-32W		300'/150'
	121-2002-09	Sebastian	Hartshorne Coal Formation	Amend to include 7 additional units: Pts. 24 & 25-T4N-R33W & Pts. 19 & 30-T4N-R32W of 5th Prin. Meridian (348.93 ac.); Pts. 19, 20, 29 & 30-T4N-R32W of 5th Prin. Mer. (367.21 ac.); Pt. 20-T4N-R32W of 5th PM (150.27 ac.); Pts. 24 & 25-T4N-R33W & Pt. 19-T4N-R32W of 5th PM (279.34 ac.); Pts. 13 & 24-T4N-R33W & Pts. 18 & 19-T4N-R32W of 5th PM (350.48); Pt. 13-T4N-R33W & Pt. 18-T4N-R32W of 5th PM (233.20 ac.); Pt. 17 & 18-T4N-R32W of 5th PM (189.32 ac.)		
	4-2003-01			Delete Unit "D" defined as Pt. 20 & 29-T4N-R32W of Fifth Principal Meridian	74.30 Ac.	100'
	5-2003-01	SEBASTIAN		Amend field rules reform units "I", "J", "K", and add units "L" and "M"; Portions of sec. 17, 18, 19-4N-32W and portions of fractional section 13, 24, and 25-4N-33W		
HAZEL VALLEY	88-80	Washington	Wedington & Sylamore	280' FUB; Gov 1/4 Sec		Rule B-15
	217-84	Washington	Wedington & Sylamore	2 wells per 160 acre unit 660' apart	160	
HECTOR	89-84	Pope	Atoka & Morrow	1,320' FUB/OR# 18-71; Gov Sec		100'
HICKORY CREEK	67-2001-04	Madison	Wedington	280' FUB	40	
HIGH OCEAN	133-86	Washington	Sylamore	200' FUB; Gov 1/4 1/4 Sec.	40	100' or cement longstring to surface

## NORTH ARKANSAS FIELD RULE SUMMARIES

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FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
HOLLIS LAKE	44-60	Crawford & Sebastian	Atoka & Hale	1000' FUB; Gov Sec	640	350'
	15-62			Comm.		
	21-63			Ext. to cover 24-T9N-R31W (moved from Kibler-Williams.)		
	64-65			Amend 44-60 Rules 8, 9, 10 - Allocation		
	40-68			Comm.		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	57-72	Crawford & Sebastian	Atoka & Hale	Ext. to cover Sec. 34, 35, 36-8N-31W 1-7N-31W		
	10-73	Crawford	St. Peter	Ext. to cover St. Peter of Simpson Group (Sec. 12-9N-31W)		
	11-73			Reform 57-72 to 612 ac. - 1-T7N-R31W less N/2 NW/4 lying N. of Missouri-Pacific Railroad R.O.W. (73 ac.) & Pt. NE/4 1-T7N-R31W (11 Ac.)	612	
	174-82	Crawford & Sebastian		Dissolve 71-70 & Reform to irr. oversized unit 21 & 28-T8N-R31W & all pt. of AR River lying bet. ordinary high water mark on N. or left bank and ord. high water mark on S. or right bank.	920	
34-89	Crawford	Carpenter, Lower	Deregulate 28 & 32-T9N-R31W			
2-96	Sebastian	Penters/Hunton	Ext. to cover Penters/Hunton			
2-96A	Sebastian	Penters/Hunton	Ext. to cover 24 & Pt. 25-T9N-R32W (885.9 ac.)			
30-97			Remove 1 & 12-T9N-R32W & 6 & 7-T9N-R31W from Lee Creek & Hollis Lake Fields			
HUNT	44-69	Johnson	Atoka	1050' C of D.U.; Gov Sec		200'
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	115-83	Johnson	Atoka	1320' FUB - Sec. 10-10N-25W		
	24-84			Rescinded Order # 44-69 as pertains to Sec. 23-10N-25W		
	218-87	Johnson	Morrow & Atoka	Ext. to cover Morrow & multiple completions in Hale		
HUNTSVILLE	33-76	Madison	Ordovician	280' FUB; Gov 1/4 Sec	160	100'
	288-83	Madison	Boone	280' FUB; Gov 1/4 1/4 Sec	40	100'
	342-84	Madison	Ordovician & Sylamore	4 wells per existing 160 acre unit or new 506' from producing well; Gov 1/4 1/4 Sec	40	
	395-84		Sylamore	Amend 342-84 to dissolve unit in 10, 11, 14, & 15-T6N-R26W & add NE NE 15-T6N-R26W		
HURRICANE CREEK	36-82	Crawford	Wedington & Boone	1,000' FUB; Gov Sec	640	400'
JERUSALEM	10-56	Conway	Atoka	1050' C of D.U.; Gov Sec	640	200'
	40-57	Conway	Allen	Ext. to cover Allen		
	83-65			Amend Allow.		

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FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	38-92	Conway	Atoka, Allen	Dissolve Sec. 32 & 33-9N-17W, Reform D. U. E/2 Sec. 32 W/2 Sec. 33-9N-17W		
	23-2005-03	CONWAY	BOONE	Delete unit from Sec. 27-T9N-R17W from Jerusalem Field & Integration also made it an extension of field rules to Griffin Mtn. Field.		
JERUSALEM EAST	23-89	Conway	Atoka	1320' FUB of gov sec	640	B-15
	18-63	Franklin	Cane Hill	Comm.		
JETHRO	75-67	Franklin	Atoka & Morrow	1050' C of D.U.; Gov Sec	640	300'
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	81-88	Franklin	Morrow	Amend Field Rules - Fieldwide Multiple Completions Hale & Cane Hill Extension of field rules to cover Morrow		
	27-2004-03	FRANKLIN	WEDINGTON; PITKIN AND BOONE	Amend field rules to apply to all intervals from surface of earth to Base of Boone formation including Pitkin, Wedington & other previously omitted intervals.		
	097-2011-04	Franklin	Hale	Exc. 1280 borehole unit; all of Sec. 26 & 27-T11N-R27W	1280 - (borehole only)	
KIBLER-WILLIAMS	40-58	Crawford & Sebastian	Atoka	1000' C of D. U.; Gov Sec. S/2 & N/2 immed. Below	640	350'
	33-60			Comm.		
	26-62	Crawford		Ext. 40-58 to cover S/2 9 & N/2 16-T8N-R30W		
	39-62	Crawford & Sebastian	Pre-Pennsylvanian	1000' C of D. U.		350'
	21-63	Crawford	Atoka & Hale	Delete Sec. 24-9N-31W & place under Hollis Lake		
	75-64	Crawford	Atoka, Hale & Pre-Pennsylvania	Ext. to cover Sec. S/2 3 N/2 10-8N-30W; S/2 4 N/2 9-8N-30W; S/2 6 N/2 7-8N-30W; S/2 5 N/2 8-8N-30W; S/2 7 N/2 18-8N-30W; S/28 N/2 17-8N-30W		
	36-65			Amend Allow.		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	16-73	Crawford	Atoka & Morrow Group	Dissolve 1-T9N-R30W and redesignate as being in Dyer Field; Dissolve drilling unit in S/2 1 & N/2 12-T9N-R30W		
	90-90	Crawford	L.Carpenter & Above	Ext. to cover Sec. S/2 17, N/2 20-9N-30W; Ext. to cover N/2 Sec 20 & S/2 Sec 17 (moved from Alma Field)		

## NORTH ARKANSAS FIELD RULE SUMMARIES

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FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	91-91	Sebastian & Crawford	L.Carpenter & Above	Amend that all prod. horizons from surface of earth to Base of Lower Carpenter reclassified as uncontrolled as pertains to: S/2 Sec. 1 & Fr. 12-T8N-R30W; S/2 Sec. 2 & N/2 Sec. 11-T8N-R30W		
KNOXVILLE	10-58 62-65 21-68	Johnson & Logan Johnson	Atoka Atoka & Morrow	1050' C of D. U.; Gov. sec. Amend Allow. Amend to cover all reservoirs within the Atoka and Morrow Group and to cover the irr. Unit Sec. 16-8N-22W; SE corner of Sec. 12-8N-23W North; 5300' to NE corner West 7300' South 5300' East 7300'	640	200'
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	17-72	Johnson	Atoka & Morrow	Ext. to cover portions of Sec. 31-9N-22W; 36-9N-23W; 2-8N-23W		
	96-79	Johnson	Atoka & Morrow	Ext. to cover Sec. 16-8N-22W		
	221-82	Johnson	Atoka & Morrow	Ext. to cover 15-T8N-R22W		
	59-93	Pope		Dissolve Sec. 23 & 24-8N-21W; Reform Sec. S/2 Sec. 23 N/2 23 S/2 Sec. 24 N/2 24-8N-21W		
	263-2008-05	Johnshon County		1294 borehole unit, Sec. 19 & 30-22W		
LEE CREEK	45-86 30-97 71-99	Crawford Crawford	Morrow	1,320' FUB/OR# 18-71; Gov Sec Remove 1 & 12-T9N-R32W & 6 & 7-T9N-R31W from Lee Creek & Hollis Lake Fields Delete Sec. 8, 9, 16, 17-T9N-R32W to extent within Lee Creek Field.	640	Rule B-15
LETONA	83-82	White	Arbuckle	1320' FUB - 12-T8N-R8W	640	800'
LINVILLE	7-75	Johnson	Atoka & Morrow	1,000' FUB; Gov. sec.		100'
LITTLE CREEK	87-2006-04	White	Fayetteville Shale	560' FUB - D-16 1,120' FUB; Sec. 7-T8N-R7W	640	500'
LONE ELM	30-50 5-51 42-59 38-64	Franklin Franklin Franklin	Atoka Atoka	660' C of Gov. sec. Amend field rules for Dual Completions Amend Rule VIII(A) - Allocation Amend Rule VIII(A) by <b>striking</b> "Provided: No well shall be permitted to withdraw in any one day more than 1/4 of its open flow potential"	640	400'
	73-65 18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		Amend Rules 6-8 - Allocation 1,320' FUB - All gas wells		
	15-93 15-2004-02	CRAWFORD AND FRANKLIN	Atoka, Morrow, Wedington ATOKA, MORROW WEDINGTON, PITKIN	Amend field rules to include Pitkin and other previously omitted intervals		



## NORTH ARKANSAS FIELD RULE SUMMARIES

NOTE: Please refer to actual Orders for a complete & accurate reading of Field Rules.						
FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	<b>223-2006-07</b>	CRAWFORD AND FRANKLIN	Fayetteville Shale	Governed by Rule B-43		
LUDWIG	<b>27-66</b>	Johnson	Atoka	1320' FUB; Gov Sec		350'
	<b>25-69</b>	Johnson	Atoka & Hale	Extension of field rules to cover Sec. 5, 6, 10, 13, 14, 15, 23, & 24-10N-23W		
	<b>18-71</b>	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	<b>183-82</b>		Atoka & Morrow	Dissolve Drilling Units: Gov. Section: 16, 17, 20, 28, & 29; Create New Units: S/2 Sec. 16 & N/2 21, S/2 Sec. 17 & N/2 20, S/2 Sec. 20 & N/2 29, S/2 Sec. 21 & N/2 28, S/2's 28 & 29, All in 10-23W		
	<b>88-92</b>	Johnson	Hale	Amend 25-69 to extend to all of Hale to permit multipletions and allowables.		
	<b>10B-2001-01</b>	Johnson	Atoka	Dissolve unit N/2 Sec. 16 & N/2 Sec. 17-T10N-R23W. Create 2 new drilling units described as: S/2 Sec 9, N/2 Sec 16-10N-23W; S/2 Sec 8, N/2 Sec 17-10N-23W		
	<b>2-2002-01</b>	JOHNSON	PERMIT FORMATION OF A 1.280 ACRE BOREHOLE UNIT	Include Sec. 18-10N-23W & SEC. 19-10N-23W; Gov. sec.	640	
	<b>413-2006-12</b>	Johnson		Amend 27-66 - Include & reform sections into 4 units: Unit A: N/2 12-T10N-R23W; N/2 7-10N-R22W; Unit B: N/2 Sec.12-T10N-R23W; N/2 Sec.13-T10N-R23W; Unit C: S/2 Sec.7-T10N-R22W; N/2 Sec.18-T10N-R22W; Unit D: S/2 Sec. 13-T10N-R23W; S/2 Sec.18-T10N-R22W		
MANSFIELD	<b>47-66</b>	Scott	Atoka	1320' FUB; Gov Sec N/2 or S/2	640	400'
	<b>18-71</b>	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	<b>215-84</b>	Logan	Atoka	Extend 47-66 to cover N/2 6-T4N-R29W		
	<b>356-84</b>	Sebastian	Atoka	Ext. to cover Sec. N/2 1-4N-31W (lots 1-14)		
	<b>104-91</b>	Scott & Sebastian	Atoka	Designation as Tight Formation		
	<b>8-92</b>	Sebastian, Logan & Scott	Atoka Upper & Mid. (Alma & Basham)	Designation as Tight Formation		
	<b>69-99</b>			Comm.		
	<b>195-2007-04</b>	Scott	Atoka	Ext. to include Sec.9-16, T4N-R30W; Sec. 24-T4N-R30W except S/2 S/2; & all Sec. 7, 18, 19 & 30, T-4N-R29W		
	<b>163-2001-10</b>	SEBASTIAN, SCOTT AND LOGAN	MIDDLE HARTFORD "A" FORMATION	660' FUB - SEC. 35-5N-30W; Gov. 1/4 sec.	640	

## NORTH ARKANSAS FIELD RULE SUMMARIES

NOTE: Please refer to actual Orders for a complete & accurate reading of Field Rules.						
FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	134-2002-10	SEBASTIAN, SCOTT AND LOGAN	MIDDLE HARTFORD "A" FORMATION	Make 163-2001-10 Permanent and Remove Well Limitation		
	28-2004-03	SEBASTIAN, LOGAN AND SCOTT	MIDDLE HARTFORD "A" SANDSTONE, MIDDLE AND UPPER ATOKA	Amend spacing 560' FUB or other well producing from same source of supply. Allow multiple wells Upper & Middle Atoka		
	General Rule B-44			Rescind existing Field Rules, See Rule B-44		
MASSARD	30-52	Crawford & Sebastian	Basal Atoka	660' C of Gov. Sec.	640	150'
	11-53	Sebastian	Basal Atoka	Revised D.U. from W/2 W/2 Sec. 1 E ¼ Sec. 2-7N-32W to N ¾ W/2 W/2 Sec. 1 E ¼ Sec. 2-7N-32W		
	13-57	Sebastian	Hale	660' C of D. U.; Gov. Sec.	640	200'
	48-61	Crawford	Hale, Spiro & Dunn 'B'	660' C of D. U.; Gov. Sec.	640	200'
	38-62		Pre-Pennsylvanian	660' C of D. U.; Gov. Sec.	640	450'
	47-64	Sebastian		Amend 30-52 - Allow.		
	5-65		Basal, Atoka, Hale, Spiro, Dunn "B", Pre-Pennsylvanian	Amend 47-64 - Allow.		
	38-66	Sebastian	Basal Atoka, Hale, Spiro, Dunn 'B' & Pre-Penn	Extension of field rules to cover Sec. 5 & N/2 Sec. 8; Sec. 17 & S/2 Sec. 8; Sec. 30 & N/2 Sec. 29; Sec 32 & S/2 Sec. 29-7N-32W		
	14-68	Crawford & Sebastian	Basal Atoka, Hale, Spiro & Dunn 'B'	Ext. to cover Atoka & Morrow		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	23-77	Sebastian	Atoka, Morrow, & Pre-Pennsylvania	Ext. to cover Sec 4-7N-32W except SE/4 SE/4		
	41-78	Crawford & Sebastian	Atoka, Morrow, & Pre-Pennsylvania	Ext. to cover 5 & 8-T8N-R32W & 32-T9N-R32W		
	186-81	Sebastian	Atoka, Morrow & Pre-Pennsylvania	Ext. to cover Sec. 10-8N-32W		
	189-82	Crawford & Sebastian	Atoka, Morrow, & Pre-Pennsylvania	Ext. to cover Frac. Sec. 20 & N/2 Frac. Sec. 29-8N-32W		
	209-85	Sebastian	Atoka, Morrow, & Pre-Pennsylvania	Ext. to cover Frc. 32 & S/2 Frc. 29-T8N-R32W	562.78	
	12-88	Crawford & Sebastian	Atoka, Morrow & Pre-Pennsylvania	Ext. to cover 33-T9N-R32W		
	3-96	Crawford & Sebastian	Lower Carpenter	660' FUB in Sec. 13,24,25-8N-32W; Frac. 18.19.30.17 20-8N-31W		
	200-1-2008-04	Sebastian	Lower Carpenter	Ext. Order No, 3-96 to cover Sec. 14-8N-32W		
	564-1-2008-10	Sebastian	Lower Carpenter	Ext. Order No, 3-96, as amended by 200-1-2008-04, to cover Sec. 11-8N-32W		
MORELAND	49-55	Pope	Barton	1050' C of D.U.; Gov. Sec.		250'
	32-56	Pope	Hale 'A'	1050' C of D.U.; Gov. Sec.		250'

## NORTH ARKANSAS FIELD RULE SUMMARIES

NOTE: Please refer to actual Orders for a complete & accurate reading of Field Rules.						
FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	39-57 9-65 18-71	Pope	Basal Atoka	1050' C of D.U.; Gov. Sec. Amend 49-55 - Allocation 1,320' FUB - All gas wells		250'
	237-83	Pope	Atoka & Morrow	Ext. to cover Atoka & Morrow, (Sec. 3-8N-19W & Sec. 7-8N-19W)		
	80-94	Pope	McGuire & Hale	Dissolve D.U. (Sec. 8 & 17-8N-19W) Reform Irr. D.U. (Sec. 8 & 17-8N-19W; 1280 acres)		
	154-2001-09	Pope	Base of Morrow Group to Base of Penters/Hunton	All of Sec. 15-9N-19W; Further amend ORN 49-55 & 100-98		
	121-2003-10	Pope	Hale	Sec. 7 and 8-8N-19W; Provide for a 1,280 acre unit for the prod. of gas from a single wellbore		
	52-2004-05	POPE		Amend to permit formation of a 1,280 acre borehole unit to permit drill of a well adjacent to the section line between sectionn 5 & 6.		
NATURAL DAM	12-78	Crawford	Atoka	1,000' FUB; reg. Gov. unit or 2 half sec. forming square	640	100'
NEW HOPE	21-61	Pope	Atoka & Casey	1050' C of D.U.; S/2 & N/2 of adjacent gov. sec. to south	640	300'
	60-64	Pope	Upper & Lower Allen, Barton 'A' & 'B', Basal Atoka & Hale	1050' C of D.U.; amend & extend		300'
	74-66	Pope		Ext. to cover S/2 Sec. 5; S/2 Sec. 6; N/2 Sec. 7; N/2 Sec. 8-9N-20W		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	178-80					
	163-82	Pope	Atoka & Hale	Ext. to cover S/2 Sec. 29; S/2 Sec. 30-9N-20W		
	7-68			Amend 21-61 Rules 7-9 - Allocation		
OAK GROVE	43-77	Pope	Atoka & Morrow	1,320' FUB/OR# 18-71; Gov. sec.	640	200'
	120-87	Pope	Hale, Lower	Allow.		
	69-2005-05	POPE	ARECI FORMATION	560' FUB - Sec. 20, 21, 22, 23, 26, 27, 28, 29,, 32, 33, 34, AND 35-8N-18W AND 3-7N-18W		
OZARK	62-61	Franklin	Henson, Cecil, Orr & Brentwood	1050' C of D.U.; Gov. Sec.	640	200'
	2-67			Amend 62-61 - Allocation		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		

## NORTH ARKANSAS FIELD RULE SUMMARIES

NOTE: Please refer to actual Orders for a complete & accurate reading of Field Rules.						
FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	35-88	Franklin	Atoka, Morrow, Boone, & Penters	Ext. to cover Atoka, Morrow, Boone, & Penters		
OZONE	4-74	Johnson	Atoka, Morrow & Boone	1320' FUB; Gov. Sec.	640	200'
	35-74	Johnson	Atoka, Morrow & Boone	Amend spacing requirements: 1000' FUB		
PARADISE	236-83	Franklin	Hale, Upper & Lower Wedington	1,000' FUB; Gov. sec.	640	200'
PARIS	22-61	Logan	Atoka (Orr) & Morrow (Brentwood)	1050' FUB; Gov. Sec.	640	300'
	57-69	Johnson & Logan	Atoka (Orr) & Morrow (Brentwood)			
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	87-79	Logan & Johnson	Atoka & Morrow (all sands)	Amend to cover Atoka & Morrow		
PETER PENDER	28-63	Franklin	Atoka & Morrow	1050' C of D. U.; Gov. sec.	640	250'
	75-65			Amend 28-63 - Allocation		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	175-80	Franklin	Viola	Ext. to cover Sec. 3-7N-28W		
	19-86	Franklin	Hale	Amend Field Rules (Multiple Completions w/i Hale Zone)		
	79-2003-07	Franklin	Viola and Penters Hunton	Amend to include all intervals from the surface to the base of the Viola Formation and to reclassify the Penters Hunton as a single formation.		
	General Rule B-44			Partial rescission of existing Field Rules, See Rule B-44		
PINE RIDGE	116-86	Logan	Atoka	1,320' FUB/OR# 18-71; Gov. sec.	640	500'

## NORTH ARKANSAS FIELD RULE SUMMARIES

NOTE: Please refer to actual Orders for a complete & accurate reading of Field Rules.						
FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
POTEAU MOUNTAIN	332-2008-06	Sebastian, Scott	Hartshorne Coal	Establish Field-Wide Unit. 280' From external boundaries; multiple horizontal wells; Field Defined as: Township 4N, Range 32W: Section 35: ALL, Section 36: W/2; Township 3N, Range 32W: Section 1: ALL, Section 2: ALL, Section 3: ALL, Section 4: ALL, Section 5: ALL, Section 6: S/2; S/2 NE/4; SE/4 NW/4, Section 7: ALL, Section 8: ALL, Section 9: ALL, Section 10: All Except SW/4 SW/4, Section 11: ALL, Section 14: W/2 NE/4; SE/4 NE/4; NW/4 NW/4, Section 15: NE/4 NE/4; S/2 NE/4; N/2 SE/4, Section 17: N/2 N/2; SW/4 NW/4, Section 18: N/2; N/2 SE/4; S/2 SE/4, Section 19: N/2 NE/4; Township 3N-Range 33W: Section 1: Fractional S/2, Section 12: Fractional S/2 and Fractional N/2, Section 13: Fractional N/2 and	9,249.11	
POSSUMTROT	76-66 18-71	Franklin Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell	Atoka & Morrow	1050' C of D.U.; Gov. sec. 1,320' FUB - All gas wells	640	200'
	51-89	Franklin	Atoka & Morrow	Dissolve D.U. (Sec. 9; N/2 NE/4 Sec. 16; Sec. 10; NW/4 NW/4 Sec. 15-10N-27W); Create D.U. (S/2 Sec. 9; S/2 Sec. 10; NW/4 NW/4 Sec. 15; N/2 NE/4 Sec. 16-10N-27W)		
PRAIRIE VIEW	39-73 426-84	Logan Logan	Atoka Morrow	1,320' FUB/OR# 18-71; Gov. sec. Ext. to cover Morrow (Sec. 20-8N-24W)	640	400'
RENA	3-98 106-98	Crawford Crawford	Hale & Boone Hale & Boone	1320' FUB; Gov Sec. E/2 or W/2 Remove Sec 2 & 11-9N-32W from Lee Creek & add to Rena; Reform D.U. S/2 Sec. 1 & N/2 Sec. 12-9N-32W; Sec. 6-9N-31W; Sec. 7-9N-31W; S/2 Sec. 2 & N/2 Sec. 11-9N-32W; S/2 Sec 11 & S/2 Sec. 12-9N-32W	640	Rule B-15
RICH HOLLOW	8-90	Washington	Wedington	280' FUB; N/2, S/2, E1/2 or W1/2 of Gov 1/4 sec.	80	Rule B-15
RICH MOUNTAIN	304-2006-09	Logan	Atoka	560' from external boundary B-3 - Sec. 24-T7N-R25W	640	500' B-15
	General Rule B-44			Rescind existing Field Rules, See Rule B-44		
ROCK CREEK	14-60 49-64 55-65 51-73 14-76	Franklin   Franklin Franklin	Atoka   Morrow Atoka & Morrow	1050' C of D.U.; Gov. sec. Amend 14-60 Rule 10 - Allocation Amend Allocation Amend to apply to all zones within Morrow Group. Amend Location Provisions - 1000' FUB	640	250'

## NORTH ARKANSAS FIELD RULE SUMMARIES

NOTE: Please refer to actual Orders for a complete & accurate reading of Field Rules.						
FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	94-86	Franklin	Wedington	1000' FUB; Gov. Sec.		250'
	93-88			Comm.		
	63B-2002-05	Franklin		Dissolve 19 & 20-T11N-R26W & Estab. E/2 19 & W/2 20-T11N-R26W	640	
ROSS	53-61	Pope & Johnson	Atoka (McGuire)	1050' C of D.U.; Gov Sec.		200'
	23-66	Pope & Johnson	Atoka (all zones)	Ext. to cover all zones w/i Atoka		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	60-71	Pope	Atoka	Ext. to cover Sec. 9,10,11,14,15-9N-21W		
	12-72 & Corr.	Pope	Atoka	Ext. to cover Sec. 1,2,3,12,13-9N-21W		
	42-73a	Pope	Atoka	Ext. to cover N/2 Sec. 24-9N-21W Delete N/2 Sec. 24 from New Hope and add to Ross		
	42-73b	Pope	Hale	Ext. to cover Hale (Sec. 11-9N-21W); Multiple completions		
	32-83	Johnson	Atoka & Hale	Ext. to cover Sec. S/2 28-10N-22W; N/2 33-10N-22W; Sec. 12-9N-23W		
	48-87	Johnson	Atoka & Hale	Dissolve N/2 14, N/2 15, S/2 14 & S/2 15-9N-22W		
	4-2002-01	Johnson & Pope		Dissolve 13-9N-22W & 14-9N-22W and form units N/2 Sec. 13, N/2 SEC. 14-9N-223, S/2 Sec. 13, & S/2 SEC. 14-9N-22W - 1,170' from short side of units		
	74B-2003-07	Johnson		Ext. to cover W/2 27 & W/2 34; E-2 27 & W/2 Sec. 26; E/2 Sec. 34 & W/2 Sec. 35 E/2 Sec. 26 & E/2 Sec. 35-T10N-R22W (see Silex for Order)	640	
RUDY	31-52	Crawford	Atoka & Hale	330' FUB; 2 Gov 1/4 Sec	320	150'
	48-64	Crawford		Amend 31-52 - Allocation & allow.		
	121-82	Crawford	Atoka, Hale & Boone	1,320' from length wise, 1,170' from narrow extrm Sec. W/2 30-10N-31W		
	125-83			Amend 31-52 - Allocation & allow.		
	295-83	Crawford	Atoka	Ext. to cover Sec.19, 20, 21, E½ 28, 31, 32, 33-10N-31W; E/2 or W/2		
	102-98	Crawford	Atoka & Hale	Ext. to cover Sec. 20-10N-31W; N/2 & S/2 only		
	105-98	Crawford	Atoka & Hale	Amend Field Rules; Sec. N/2 & S/2 31-10N-31W		
	109-2000-09	Crawford		Reform existing 320-acre units from E/2 & W/2 to N/2 & S/2 Sec. 19-T10N-R31W		
SCOTTSVILLE	2-62	Pope	Barton & Upper Morrow	1050' C of D.U.; Gov. sec.	640	Rule B-15
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	14-96	Pope	Penters/Hunton	Ext. to cover Sec. W/2 Sec. 3, E/2 4-9N-19W		
	282-2009-04	Pope	Dunn A	1320" FUB. Ext. to cover Sec. 35-10N-19W		

## NORTH ARKANSAS FIELD RULE SUMMARIES

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FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
SCRANTON	<b>22-63</b>	Logan & Johnson	Atoka & Morrow	1050' C of D.U.; Gov Sec	640	200'
	<b>39-63</b>	Logan & Johnson	Atoka & Morrow	Ext. to cover portions of Sec. 11, 12-8N-25W; Sec. 31-9N-24W; Sec. 35, 36-9N-25W		
	<b>23-63</b>	Johnson	Brentwood Sand	Comm.		
	<b>73-64</b>	Logan & Johnson	Atoka & Morrow	Ext. to cover Sec. 32-9N-24W		
	<b>18-71</b>	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
SILEX	<b>48-81</b>	Pope & Johnson	Hale	1,320' FUB/OR# 18-71; Gov Sec	640	200'
	<b>284-84</b>	Pope	Atoka	Ext. to cover Atoka (Sec. 34-10N-21W)		
	<b>64-87a</b>	Johnson	Atoka & Boone	Dissolve F.R. Lutherville & Rescind Order # 82-78; Silex Field Rules extended to cover 25-T10N-R22W		
	<b>64-87b</b>	Johnson	Atoka, Morrow & Boone	Ext. to cover Sec. 25, 35, 36-10N-22W & Morrow & Boone		
	<b>92-2002-07</b>	JOHNSON & POPE	BASAL HALE, BOONE & PENTERS/HUNTON	660' FUB or 330 feet FUB - Sec. 25-10N-21W		
	<b>74B-2003-07</b>	Johnson		Dissolve 35-T10N-R22W and reconfigure with other lands to form 4 additional units: W/2 27 & W/2 Sec. 34; E/2 Sec.27 & W/2 Sec.26; E/2 Sec. 34 & W/2 Sec. 35; E/2 Sec. 26 & E/2 Sec. 35-T10N-R22W		
SKYLIGHT MOUNTAIN	<b>9-90</b>	Washington	St. Peter	280' FUB of N1/2 S1/2 E/2 or W/2 of gov ¼ sec.	80	Rule B-15
SLAYTONVILLE	<b>72-71</b>	Sebastian	Atoka	1,320' FUB/OR# 18-71; Gov Sec		400'
	<b>8-92</b>	Sebastian, Logan & Scott	Atoka Upper & Mid. (Alma & Basham)	Designation of "Tight Formation"		
	<b>50-98</b>	Sebastian		Remove Frc. 5-T5N-R32W		
	<b>General Rule B-44</b>			Rescind existing Field Rules, See Rule B-44		
SORGHAM HOLLOW	<b>387-2007-08</b>	Logan	Atoka, Upper	560' FUB	640	500'
	<b>General Rule B-44</b>			Rescind existing Field Rules, See Rule B-44		
SPADRA	<b>4-59</b>	Logan & Johnson	Atoka & Morrow	1050' C of D.U.; Gov Sec		200'
	<b>79-65</b>	Logan & Johnson	Atoka & Morrow	Ext. to cover 4, 5, 6-T8N-R23W; 3, 4, 7-23, 27-33 & N/2 34-T9N-R23W; 23-24 & E/2 E/2 25 & E/2 E/2 NE/4 36-T9N-R24W	640	
	<b>7-67</b>	Logan & Johnson	Atoka & Morrow	Ext. to cover Sec. 25, 26, 27,28,29, 30, 31, 32, 33, 34, 35-10N-23W		
	<b>22-68</b>	Logan & Johnson	Atoka & Morrow	Ext. of field rules to cover portions of Sec. 33 & 34-9N-23W (Unit B) Sec. 2 & 3-8N-23W (Unit C)		
	<b>65-70</b>	Johnson	Atoka & Morrow	Amend field rules location to 1320' FUB		
	<b>68-70a</b>	Logan	Atoka & Morrow	Ext. to cover Sec. 4-8N-23W		

## NORTH ARKANSAS FIELD RULE SUMMARIES

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FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	27-71a	Logan & Johnson	Atoka & Morrow	Ext. to cover Sec. N/2 1-8N-24W; S/2 36-9N-24W & adjacent bed of AR River within East line of said Sec. 36 & West line of said Sec. 1		
	58-76	Logan	Atoka & Morrow Group & St. Peter/Simpson	Ext. to cover Pt. 10 & 11-T8N-R23W	884.84	
	42-77	Logan & Johnson	Atoka & Morrow	Ext. to cover portions of Sec. 14 & 15-8N-23W		
	20-84	Logan & Johnson	Atoka & Morrow	Ext. to cover Pt. 26-T8N-R23W		
	204-85	Johnson	Atoka & Morrow	Ext. to cover 25-T9N-R24W	640	
	52-89			Dissolve N/2 6-T8N-R23W, S/2 31-T9N-R23W, N/2 1-T8N-R24W, S/2 36-T9N-R24W. <b>Create</b> 6-T8N-R23W, 1-T8N-R24W, S/2 31-T9N-R23W, S/2 36-T9N-R24W		
	85B-2002-06	Logan		Ext. to cover 25-T8N-R23W	657.58	
	118B-2004-09	JOHNSON		Ext. to cover 33 & 34-T10N-R23W	1,280	
ST. VINCENT	13-76	Conway	Morrow	1,320' FUB - 32-T8N-R16W; Gov Sec	640	200'
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
SUGAR HILL	19-2006-02	Washington	Sylamore	280' FUB - Sec. 1 & 2-T14N-R33W; Sec. 35 & 36-T15N-R33W	40	B-15
SUGAR LOAF MTN (AKA LULA DELEON)	179B-2006-06	Sebastian	Hartshorne Coal	Establish Field-Wide Unit. 280' From external boundaries; 200' Horizontal Field Defined as: 24-T4N-R32W; Est. Field Wide Unit: Sec. 19 & 20; S/2 NW/4; N/2 SW/4 & SW/4 SW/4 Sec. 21; W/2 NW/4 Sec. 28; N/2 & SW/4 Sec. 29; Sec. 30.	2709.89	
SUNSET	98-88	Washington	Wedington	280' FUB; 2 Gov ¼ ¼ Sec in form of rectangle	80	Rule B-15
UNION CITY	15-60	Johnson	Atoka	1050' C of D.U.; Gov. sec.	640	350'
	50-64	Johnson		Amend Allocation		
	66-65			Amend Allocation		
	29-70	Johnson	Atoka & Morrow	Ext. to cover all reservoirs w/ Atoka & Morrow		



## NORTH ARKANSAS FIELD RULE SUMMARIES

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FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	27-74	Johnson	Atoka & Morrow	Ext. to cover 10-T9N-R25W (taken from Coal Hill)		
	140-85	Johnson		Rescind 29 & 30-T10N-R24W & move to Clarksville Field		
URSULA	19-64	Franklin & Sebastian	Lower Carpenter & Lower Morris	1050' C of DU; Gov. sec.	640	200'
	25-65	Franklin & Sebastian	Lower Carpenter & Lower Morris	Ext. to cover Sec. 29-8N-29W; Sec. 30-8N-29W; Sec. 31-8N-29W; Sec. 34-8N-29W; Sec. 35-8N-29W; Sec. 2-7N-29W; Sec. 3-7N-29W; Sec. 4-7N-29W; Sec. 5-7N-29W		
	56-67		Atoka	Ext. to cover each sep. reservoir within Atoka & amend Allocation		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	209-87	Franklin & Sebastian	Morrow	Ext. to cover Morrow (Sec. 27-8N-29W & 34-8N-29W) and provide for Multiple Completions in Hale		
	83-98	Franklin & Sebastian	Atoka	Deletion of Acreage to form Chaffee Arkoma Unit		
	138B-2003-12	Sebastian		Ext. to cover 7 & N/2 N/2 18 less W/2 NW/4 NW/4 T7N-R29W		
VESTA	5-69	Franklin	Morris	1050' C of D.U.; Gov. sec.	640	Rule B-15
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	22-78	Franklin	Atoka	Ext. to cover Atoka & Sec. 7, 19-8N-28W Sec. 23-8N-29W Sec. 10, 11, 12, 22, 24-8N-29W		
	67-98	Franklin	Morrow	Ext. to cover Morrow		
WATALULA	37-53	Franklin	Atoka	660' C of D.U.; Gov. sec.	640	200'
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
WAVELAND	6-67	Yell	Atoka	1320' FUB; Gov. sec.	640	400'
	97-67	Yell	Atoka	Ext. to cover Sec. 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24-5N-24W		
	11-68	Yell & Logan	Atoka	Ext. to cover Sec. 7,8,17,18,19, 20-5N-25W 10, 11, 12, 13, 14, 15, 22, 23, 24-5N-26W		

## NORTH ARKANSAS FIELD RULE SUMMARIES

NOTE: Please refer to actual Orders for a complete & accurate reading of Field Rules.						
FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	20-2003-02	Yell & Logan	Middle Atoka	Form unit subdivisions Sec. 7-24-5N-24W, Sec. 7-24.5N-25W, & Sec. 10-15 & 22-24-5N-26W		
	136-2003-12	Yell		Ext. to cover 6-T5N-R24W & provide for stand-up 80 acre unit subdivisions		
	86-2004-07	Logan & Yell	Upper and Middle Atoka Sandstones	Delete reference to 80-ac. Subdivisions & allow multiple wells - 560' FUB & from well producing from same common source w/l unit	640	
	35-2004-04	LOGAN		Integration & deletion to unit (combined with Sugar Grove)		
	120-2005-03	Logan & Yell		Amend #6-67 to include Sec. 7, 9, 10, 15, 16, 17 & 18-T5N-R23W		
	137B-2003-12	Yell		Ext. to cover S/2 4 & S/2 5-T5N-R24W		
	General Rule B-44			Rescind existing Field Rules, See Rule B-44		
WEDINGTON	245-83	Washington	Sylamore	280' FUB; Gov 1/4 1/4 Sec	40	60'
WHITE OAK	18-45	Franklin	Atoka	200' C of D.U.; Gov. sec.	640	400'
	4-51			Clarify Rule V - Multiple Completions		
	42-59			Amend Rule VIII - Allocation		
	37-64	Franklin	Atoka	Amend by striking Rule VIII wording limitation of 25% withdrawal		
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	67-66	Franklin	Atoka & Morrow	Extend Provisions of Order No. 18-45		
	405-84	Franklin	Upper Alma	660' FUB - Amend spacing and unit size 160 acre increased density unit & Ext. to cover S/2 SE/4 of Sec. 30 & N/2 NE/4 of Sec. 31-10N-27W. Sec. 29, 30, 31, 32-10N-27W		
	315-85			Amend Allocation		
	101-88	Franklin	Atoka & Morrow	Ext. to cover Atoka & Morrow		
	5-93	Franklin	Atoka & Morrow	Ext. to cover Atoka & Morrow		
	85-93	Franklin	Atoka & Morrow	Amend 5-93 to create "Participating Area Unit" - E/2 Sec. 20 & W/2 Sec. 21-T10N-R27W		
	73-94	Franklin	Atoka & Morrow	Amend 5-93 to create "Participating Area Unit" - SW NE, S/2 NW, W/2 SE & SW/4 Sec. 29; SE NE, E/2 SE Sec. 30, NE NE Sec. 31, N/2 NW, NW NE Sec. 32-T10N-R27W		

## NORTH ARKANSAS FIELD RULE SUMMARIES

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FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	88-94	Franklin	Atoka & Morrow	Amend 5-93 to create "Participating Area Unit" - SW NE, S/2 NW, SW/4 & W/2 SE Sec. 19 & NW NE & N/2 NW Sec. 30-T10N-R26W; & SE NE, E/2 SE Sec. 24. & NE NE Sec. 25-T10N-R27W	640	
	126-2000-10	Franklin	Woolsey Sand Reservoir	Amend and clarify 36-59 which established a gas storage reservoir to define precisely the Woolsey Reservoir and describe areal extent included within unit. Part of Sect. 13, All of Sec. 14, Part of sec. 15, ,22,23,24		
	31-2003-03	FRANKLIN	Weddington, Boone & Penters	Ext. to include Wedington, Boone & Penters Formations & stratigraphic equivalents		
	111-2005-07	Franklin		Sossamon Unit - Pilot Commingle Project - E/2 Sec. 25-T10N-R28W & W/2 Sec. 30-T10N-R27W		
	136-2005-09	Franklin		Sossman Unit - Pilot Depletion Project - E/2 Sec. 25-T10N-R28W & W/2 Sec. 30-T10N-R27W - Commingling test for 6 months		
	115-2006-05 (Remand & Corrected2)	Franklin	Pitkin	3/8 mile buffer; D-18 - Sossamon Unit - Comingle. No add'tl wells above base of Pitkin w/o approval		
	180-2006-06			Ord. making 136-2005-09 permanent for test wells		
	167-2008-03	Franklin	Pitkin	Additional well		
	261-2008-05	Franklin	Pitkin	Additional well		
WHITE ROCK-MOUNTAIN	168-86	Franklin	Morrow & Wedington	1,000' FUB; Gov Sec	640	Rule B-15
	24-95	Franklin		Dissolve 22, 23, 26 & 27-T12N-R28W ; Create oversized unit 22, 23, 26 & 27-T12N-R28W (2,560 Ac.) - 1,000' from well	640	
WINSLOW	67-88	Washington	Wedington	280' FUB or W/2 Gov. ¼ Sec.; N/2, S/2, E/2 of W/2 of Gov. ¼ sec.	80	Rule B-15
	104-88	Washington	Wedington	Amend location provisions & Ext. to cover Sec. SE/4 14, W/2 SE/4 22, E/2 23, and all of 24-13N-30W; N/2, S/2. E/2. W/2 of Gov ¼ sec	80	
	95-89	Washington	Hale	300' FUB; N/2 S/2 E/2 or W/2 of Gov. ¼ Sec	80	Rule B-15
	88-90	Washington	Hale	Delete 1500' minimum distance between wells		
	5-91	Washington	Wedington	Dissolve D.U. (N/2 & S/2 SE/4 Sec. 13-13N-30W) Reform D.U. (W/2 & E/2 SE/4 Sec. 13-13N-30W)		
WITCHERVILLE	8-70	Sebastian	Atoka	1320'; Gov. sec.	640	200'
	18-71	Cleburne, Conway, Crawford, Franklin, Johnson, Logan, Pope, Scott, Sebastian & Yell		1,320' FUB - All gas wells		
	53-71	Sebastian	Atoka	Ext. to cover Sec. 1, 12, 13-5N-31W; 34, 35, 36-6N-31W		
	8-92	Sebastian, Logan & Scott	Atoka Upper & Mid. (Alma & Basham)	Designation of "Tight Formation"		

## NORTH ARKANSAS FIELD RULE SUMMARIES

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FIELD	ORDER	COUNTY	RESERVOIR	LOCATION/DESCRIPTION	UNIT	SURFACE CASING
	103-2005-07	Sebastian	Atoka	560' FUB or other well producing from same source of supply; Sec. 22, 23, 24, 25, 26, 27, 34, 35 & 36 T6N-R31W & Sec. 1, 2, 3, 4, 5, 7,8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 20, 21 & 23 T5N-R31W & Sec. 7, 18 & 19-T5N-R30W; & Sec.13-T5N-R32W		