

COST ESTI	mate - Drill	ling & Completion						
Operator:	Gastar Explorati	on USA, Inc.		Prepared By:	RDJ	Tax Rate		
Well Name:	Townsend 6-1H			Field:	Sooner Trend	Depth:	12,750 '	
Legal:	T16N-R05W, Se	ection 06		Parish/County:	Kingfisher	Days:	30	
Contractor:	TBD			State:		Spud Date:	TBD	
	D.III . 10							
		plete Horizontal Hunton						
Casing		Casing Size Weigh	it, & Grade	Depth	Drilling Fluid	Fo	rmation Evaluati	on
Conductor				30 '	N/A			
Surface				500 '	FW TARRE		CBL, Triple Comb	
Intermediate Production	8 3/4 6 1/8	7" 26# J5 4 1/2" 11.6# F		7,600 '	FW Gel w/ABO FW w/Gel		L, Triple Combo,	
Froduction	0 1/0	4 1/2 11.0#1	110	12,700	rvv w/Gei	00	E, TIPIC COITIDO,	IVII
osts				D-IIII	8300	0	8500	
Code		Item	Item Cost per Unit	Drilling Days/Units	Drilling Cost	Completion Days/No.	Completion Cost	Total Co
THE RESERVE OF THE PARTY OF THE		illing & Completion Co	osts			ectorical control		
		on & Maintenance			124,000	E BUT -	35,000	159,0
	Permits & Surve				5,000			5,
	Location, Roads				60,000		5,000	65,
Water/Water Well/Plugging				30,000	94	5,000	35,	
		sehole Installation			9,000			9,0
	Site Restoration				10,000		5,000	15,
	Wellsite Security Roustabouts & L							
		Juni			10,000		20,000	30,
	Title Opinion				5,000		2,500	7,
120	Drilling/Comp	letion Rig		Will Francisco	785,000		4,500	789,
	Mob/Demob				125,000			125
	Rig Rental		22,000	30	660,000		4,500	664
	Top Drive & Mou	usehole		-			.,	
	Additional Crew/							
130	Engineering &	Supervision		and the same of	88,000	THE STATE OF THE S	14,000	102,
	Wellsite Supervi	sion	1,400	30	42,000	10	14,000	56,
	Engineering & G		1,130		15,000		. 1,000	15,
	Rig Supervisor C	Camp			30,000			30,
	Communications	3			500			
100	Field/Office Supp	olies			500			
140	Fuel	A Company of the Comp	1,200	30	36,000		1,500	37,
150	Well Evaluation	on		100	72,500		80,000	152,
	Open Hole Logg	ing			35,000		60,000	95,
	Cased Hole Log				7,500		10,000	17,
	Mud Logging		1,500	20	30,000		10,000	30,
	Core Analysis							
	Drill Stem Testin	g						
	Fluid Analysis							
	Production Testi					10	10,000	10
160	Casing Servic	es			23,500		29,500	53,
	Casing Crews &				20,000		25,000	45,
	Roustabouts & C				3,500		4,500	8,
	Thread Specialis							
	Cementing Se				35,000		40,000	75,
	Primary Cementi				35,000		40,000	75.
	Remedial Cemer	nting						
	Loss Circulation							
	Squeeze Packer	s & Cementers						
	Kick-Off Plugs	And the American State of the Control of the Contro						
	Drilling Tools			The second	60,000		7,500	67,
	Drill Bits				60,000		7,500	67
	Core Bits Stabilizers/Ream	nore						
	Drilling Jars	tors/Turbines (ATK)						
	Shock Subs							
		letion Fluids & Services			120.000		40.000	440
	Fluids & Servcies				130,000		10,000	140,
	Shaker Screens				125,000 5,000		10,000	135,
	Equipment Re	ntals			62,500		53,500	116,
	Shale Shaker			- 7.7	02,000		00,000	110,
	Mud Cleaner							
	Centrifuge							
	Transfer Pumps						10,000	10,
	Steam Cleaners							
	Wear Bushing							
	Rentals - Surface				60,000			60,
	Rentals - Subsur	face						
	PVT/Flo-Show							
	BOP Rental							
	Forklift				2,500		3,500	6,
	Hydraulic Choke							
	Tankage (Frac Ta	anks)					40,000	40,
	Drill String				25,000	CALL CARE		25,0
	Dall Dina				20,000			20,
1	Drill Pipe							
1	Drill Collars							
1	Drill Collars Drill Pipe Protects							
1 1	Drill Collars	pair			5,000			5,

EXHIBIT C.S.R.

201305483



	Gastar Exploration USA, Inc.		Prepared By:	RDJ	Tax Rate		
	Townsend 6-1H		Field:	Sooner Trend	Depth:	12,750 '	
Legal:	T16N-R05W, Section 06		Parish/County:	Kingfisher	Days:	30	
Contractor:	TBD		State:	OK	Spud Date:	TBD	
	Solid Waste Disposal			5,000			5.0
	Brine & Water Disposal			5,000		15,000	20.0
	Cuttings Haul-off & Disposal			10,000		5,000	15,0
	Closed Loop Services			25,000			25,0
	Reserve & Flare Pit Closure						
	Spill Cleanup					Marcal B.	
230	Miscellaneous			20,000		10,000	30,0
240	Specialty Tools & Services		E THE STATE OF THE	260,000		10,500	270,5
	Directional & MWD Services			260,000			260,0
	Well Surveying (SS,EMS,Gyro)						
	Fishing Tools and Services						
	Sidetrack: Whipstock, Mills, Service						
	Coring Services						
	Safety (H2S)						
	Control Of Well						
	BOP NU & Testing Services					6,000	6,0
	Wellhead Technician			40.000		4,500	4,5
	Trucking & Transportation			10,000		7,500	17,5
	Welding			7,500		3,000	10,5
270	Production Services				THE RESERVE	2,080,000	2,080,0
	Stimulation					1,600,000	1,600,0
	Perforating					100,000	100,0
	Wireline Services					25,000	25,0
	Stimulation Water/ Transfer					80,000	80,0
	Coil Tubing & Nitrogen Services					200,000	200,0
	Misc. Rental Equipment					50,000	50,0
	Pressure Testing Services						
	Facilities Construction Contract Labor			40.000		25,000	25,0
				10,000		20,000	30,0
	Plug and Abandonment OEE Insurance			5,000			
	Overhead Allocation			5,000		40.000	5,0
				15,000		10,000	25,0
tai intang	gible Cost			\$1,819,000		\$2,439,000	\$4,258,0
ngible Dril	ling & Completion Costs			8400		8600	
	01						
100	Casing	25-9 17-1-9		162.800		151.200	314.0
	Casing Conductor Casing			<b>162,800</b> 15,000		151,200	
		22	500	15,000		151,200	15,0
	Conductor Casing	22	500 7600	15,000 11,000		151,200	15,0 11,0
	Conductor Casing Surface Casing			15,000		151,200	15,0 11,0
	Conductor Casing Surface Casing Protection Casing Protection Casing Drilling Liner & Tieback			15,000 11,000		151,200	15,0 11,0
	Conductor Casing Surface Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing			15,000 11,000		151,200 151,200	15,0 11,0 136,8
110	Conductor Casing Surface Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing	18	7600 12600	15,000 11,000		151,200 32,200	15,0 11,0 136,8 151,2 32,2
110	Conductor Casing Surface Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing	18	7600	15,000 11,000		151,200 32,200 31,200	15,1 11,0 136,8 151,2 32,2 31,2
110	Conductor Casing Surface Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Pups and cross-overs	18	7600 12600	15,000 11,000 136,800		151,200 32,200 31,200 1,000	15, 11, 136,8 151, 32, 31,
110	Conductor Casing Surface Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Pups and cross-overs Subsurface Equipment	18	7600 12600	15,000 11,000		151,200 32,200 31,200	15, 11, 136,8 151, 32, 31,
110	Conductor Casing Surface Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer	18	7600 12600	15,000 11,000 136,800		151,200 32,200 31,200 1,000 <b>63,000</b>	15,0 11,1 136,8 151,2 32,2 31,2 67,5
110	Conductor Casing Surface Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals	18	7600 12600	15,000 11,000 136,800		151,200 32,200 31,200 1,000 63,000	15,0 11,0 136,8 151,2 32,2 31,2 67,5
110	Conductor Casing Surface Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment	18	7600 12600	15,000 11,000 136,800		151,200 32,200 31,200 1,000 <b>63,000</b> 8,000 15,000	15,1 11,0 136,8 151,2 32,2 31,2 67,5
110	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves	18	7600 12600	15,000 11,000 136,800		151,200 32,200 31,200 1,000 63,000	15,1 11,0 136,8 151,2 32,2 31,2 67,5
110	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves Pumps	18	7600 12600	15,000 11,000 136,800		151,200 32,200 31,200 1,000 <b>63,000</b> 8,000 15,000 20,000	151,2 136,8 151,2 32,2 31,2 67,5 8,0 19,5
110	Conductor Casing Surface Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Liff Mandrels & Valves Pumps Bridge Plugs	18	7600 12600	15,000 11,000 136,800 4,500		151,200 32,200 31,200 1,000 63,000 8,000 15,000 20,000	15,( 11,0 136,6 151,2 32,2 31,2 1,0 67,5 8,0 19,5 20,0
110	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves Pumps Bridge Plugs Wellhead Equipment	18	7600 12600	15,000 11,000 136,800		151,200 32,200 31,200 1,000 63,000 8,000 15,000 20,000	15, 11, 136, 151, 32, 31, 1, 67, 8, 19, 20, 20, 25,0
110 120 130 140	Conductor Casing Surface Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Liff Mandrels & Valves Pumps Bridge Plugs	18	7600 12600 7800	15,000 11,000 136,800 4,500		151,200 32,200 31,200 1,000 63,000 8,000 15,000 20,000 20,000 10,000 78,000	15,( 11,0 136,8 151,2 32,2 31,2 1,0 67,5 8,0 19,5 20,0 25,0 78,0
110 120 130 140	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves Pumps Bridge Plugs Wellhead Equipment Production Equipment Production Equipment	18	7600 12600	15,000 11,000 136,800 4,500		151,200 32,200 31,200 1,000 63,000 15,000 20,000 10,000 78,000 21,000	15,( 11,0 136,8 151,2 32,2 31,2 1,0 67,5 8,0 19,5 20,0 25,0 78,0 21,0
110 120 130 140	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves Pumps Bridge Plugs Wellhead Equipment Production Equipment Stock Tanks 400 BL Water Tank 400 BBL Sand Separator	18 12 4	7600 12600 7800	15,000 11,000 136,800 4,500		151,200 32,200 31,200 1,000 63,000 8,000 15,000 20,000 20,000 10,000 78,000	15,( 11,( 136,8  151,2 32,2 31,2 1,( 67,5 8,( 19,5 20,( 25,0 78,0 21,( 9,6
110 120 130 140	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves Pumps Bridge Plugs Bridge Plugs Welthead Equipment Production Equipment Stock Tanks 400 BL Sand Separator Gas Meters	10,500 9,000 4,500	7600 12600 7800 2 1	15,000 11,000 136,800 4,500		151,200 32,200 31,200 1,000 63,000 8,000 15,000 20,000 10,000 78,000 21,000 9,000	15,( 11,( 136,8  151,2 32,2 31,2 1,( 67,5  8,( 19,6, 20,( 25,0 78,0 21,( 9,( 6,6,6,6,6)
110 120 130 140	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Protection Casing Production Casing Production Liner/Casing Production Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves Pumps Bridge Plugs Wellhead Equipment Production Equipment Stock Tanks 400 BL Water Tanks 400 BL Sand Separator Gas Meters Separator - 2 Phase 36"x 10"	10,500 9,000 4,500 8,500	7600 12600 7800 2 1 3 1	15,000 11,000 136,800 4,500		151,200 32,200 31,200 1,000 63,000 8,000 15,000 20,000 10,000 78,000 21,000 9,000 6,000 13,500 8,500	15,0 11,0 136,8 151,2 32,2 31,2 1,0 67,5 8,0 20,0 25,0 78,0 9,0 6,0 13,5 8,5
110 120 130 140	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves Pumps Bridge Plugs Wellhead Equipment Production Equipment Stock Tanks 400 BL Water Tank 400 BBL Sand Separator Gas Meters Separator - 2 Phase 36"x 10" Heater Treater 6"x 20"	10,500 9,000 4,500	7600 12600 7800 2 1	15,000 11,000 136,800 4,500		151,200 32,200 31,200 1,000 63,000 15,000 20,000 20,000 21,000 21,000 9,000 6,000 13,500 8,500 20,000	15,( 11,0 136,8 151,2 32,2 31,2 1,0 67,5 8,0 19,6 20,0 25,0 78,0 21,0 6,0 13,5
110 120 130 140	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves Pumps Bridge Plugs Wellhead Equipment Production Equipment Stock Tanks 400 BL Water Tank 400 BL Sand Separator Gas Meters Separator - 2 Phase 36"x 10" Heater Treater 6"x 20" Miscellaneous Equipment	10,500 9,000 4,500 8,500	7600 12600 7800 2 1 3 1	15,000 11,000 136,800 4,500		151,200 32,200 31,200 1,000 63,000 8,000 15,000 20,000 10,000 78,000 21,000 9,000 13,500 8,500 8,500 20,000 45,000	15,( 11,0 136,8 151,2 32,2 31,2 1,0 67,5 8,0 19,5 20,0 25,0 78,0 21,0 9,0 6,0 13,5 8,5 20,0 45,0
110 120 130 140	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves Pumps Bridge Plugs Wellhead Equipment Stock Tanks 400 BL Water Tank 400 BL Sand Separator Gas Meters Separator - 2 Phase 36"x 10" Heater Treater 6"x 20" Miscellaneous Equipment Surface Lines/Gathering System	10,500 9,000 4,500 8,500	7600 12600 7800 2 1 3 1	15,000 11,000 136,800 4,500		151,200 32,200 31,200 1,000 63,000 15,000 20,000 10,000 78,000 21,000 9,000 6,000 13,500 8,500 20,000 45,000 20,000	15,0 11,0 136,8 151,2 32,2 31,2 1,0 67,5 8,0 19,5 20,0 25,0 9,0 6,0,0 13,5 8,5 20,0 45,0
110 120 130 140	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Protection Casing Production Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves Pumps Bridge Plugs Wellhead Equipment Production Equipment State Tanks 400 BL Water Tank 400 BL Sand Separator Gas Meters Separator - 2 Phase 36"x 10" Heater Treater 6"x 20" Miscellaneous Equipment Surface Lines/Gathering System Line Pipe/Fittings	10,500 9,000 4,500 8,500	7600 12600 7800 2 1 3 1	15,000 11,000 136,800 4,500		151,200 32,200 31,200 1,000 63,000 8,000 15,000 20,000 10,000 78,000 21,000 9,000 13,500 8,500 8,500 20,000 45,000	15,( 11,( 136,8 151,2 32,2 31,2 1,( 67,5 8,( 19,5 20,( 25,0,0 21,( 9,0 6,( 13,5 8,5 20,0 45,0 20,0
110 120 130 140	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves Pumps Bridge Plugs Wellhead Equipment Stock Tanks 400 BL Water Tank 400 BBL Sand Separator Gas Meters Separator - 2 Phase 36"x 10" Heater Treater 6"x 20" Miscellaneous Equipment Surface Lines/Gathering System Line Pipe/Fittings Sucker Rods	10,500 9,000 4,500 8,500	7600 12600 7800 2 1 3 1	15,000 11,000 136,800 4,500 4,500		151,200 32,200 31,200 1,000 63,000 15,000 20,000 20,000 21,000 9,000 6,000 13,500 8,500 20,000 45,000 25,000	15,0 11,0 136,8 151,2 32,2 31,2 1,0 67,5 8,0 19,6 20,0 25,0 78,0 6,0 6,0 13,5 8,5 20,0 6,0 13,5 8,0 13,5 8,0 13,5 8,0 14,0 15,0 15,0 15,0 15,0 15,0 15,0 15,0 15
110 120 130 140	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves Pumps Bridge Plugs Wellhead Equipment Stock Tanks 400 BL Water Tank 400 BBL Sand Separator Gas Meters Separator - 2 Phase 36"x 10" Heater Treater 6"x 20" Miscellaneous Equipment Surface Lines/Gathering System Line Pipe/Fittings Sucker Rods	10,500 9,000 4,500 8,500	7600 12600 7800 2 1 3 1	15,000 11,000 136,800 4,500 4,500 15,000		151,200 32,200 31,200 1,000 63,000 15,000 20,000 21,000 9,000 6,000 13,500 20,000 45,000 25,000	15,0 11,0 136,8 151,2 32,2 31,2 1,0 67,5 8,0 19,6 20,0 25,0 78,0 21,0 9,0 6,0 13,5 8,5 20,0 25,0 25,0 25,0 25,0 25,0 25,0 25
110 120 130 140	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves Pumps Bridge Plugs Wellhead Equipment Stock Tanks 400 BL Water Tank 400 BBL Sand Separator Gas Meters Separator - 2 Phase 36"x 10" Heater Treater 6"x 20" Miscellaneous Equipment Surface Lines/Gathering System Line Pipe/Fittings Sucker Rods	10,500 9,000 4,500 8,500	7600 12600 7800 2 1 3 1	15,000 11,000 136,800 4,500 4,500		151,200 32,200 31,200 1,000 63,000 15,000 20,000 20,000 21,000 9,000 6,000 13,500 8,500 20,000 45,000 25,000	15,0 11,0 136,8 151,2 32,2 31,2 1,0 67,5 8,0 19,6 20,0 25,0 78,0 6,0 6,0 13,5 8,5 20,0 6,0 13,5 8,0 13,5 8,0 13,5 8,0 14,0 15,0 15,0 15,0 15,0 15,0 15,0 15,0 15
110 120 130 140 150	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves Pumps Bridge Plugs Wellhead Equipment Stock Tanks 400 BL Water Tank 400 BBL Sand Separator Gas Meters Separator - 2 Phase 36"x 10" Heater Treater 6"x 20" Miscellaneous Equipment Surface Lines/Gathering System Line Pipe/Fittings Sucker Rods	10,500 9,000 4,500 8,500	7600 12600 7800 2 1 3 1	15,000 11,000 136,800 4,500 4,500 15,000 5182,300 Drilling		151,200 32,200 31,200 1,000 63,000 15,000 20,000 21,000 21,000 6,000 13,500 20,000 45,000 25,000 \$379,400  Completion	15,0 11,0 136,8 151,2 32,2 31,2 1,0 67,5 8,0 19,5 20,0 25,0 78,0 21,0 9,0 6,0 13,5 8,5 20,0 25,0 25,0 25,0 25,0 25,0 25,0 25
110 120 130 140 150	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves Pumps Bridge Plugs Wellhead Equipment Stock Tanks 400 BL Water Tank 400 BBL Sand Separator Gas Meters Separator - 2 Phase 36"x 10" Heater Treater 6"x 20" Miscellaneous Equipment Surface Lines/Gathering System Line Pipe/Fittings Sucker Rods le Cost	10,500 9,000 4,500 8,500 20,000	7600 12600 7800 2 1 3 1	15,000 11,000 136,800 4,500 4,500 15,000 5182,300 Drilling \$2,001,300		151,200 32,200 31,200 1,000 63,000 15,000 20,000 21,000 21,000 6,000 13,500 20,000 45,000 25,000 \$379,400  Completion \$2,818,400	15,0 11,0 136,8 151,2 32,2 31,2 1,0 67,5 8,0 19,6 20,0 25,0 78,0 21,0 6,0 6,0 13,5 8,5 20,0 25,0 25,0 78,0 13,5 8,5 13,5 8,6 14,0 15,0 15,0 15,0 15,0 15,0 15,0 15,0 15
110 120 130 140 150	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves Pumps Bridge Plugs Wellhead Equipment Stock Tanks 400 BL Water Tank 400 BBL Sand Separator Gas Meters Separator - 2 Phase 36"x 10" Heater Treater 6"x 20" Miscellaneous Equipment Surface Lines/Gathering System Line Pipe/Fittings Sucker Rods Le Cost  Total Cost Lengencies	10,500 9,000 4,500 8,500	7600 12600 7800 2 1 3 1	15,000 11,000 136,800 4,500 4,500 15,000 5182,300 Drilling \$2,001,300 \$100,065		151,200 32,200 31,200 1,000 63,000 15,000 20,000 21,000 9,000 6,000 13,500 20,000 45,000 25,000 \$379,400  Completion \$2,818,400 \$140,920.00	15,0 11,0 136,8 151,2 32,2 31,2 1,0 67,5 8,0 19,5 20,0 25,0 78,0 21,0 9,0 6,0 13,5 8,5 20,0 25,0 78,0 13,5 8,5 20,0 13,5 8,5 20,0 13,5 8,6 14,0 15,0 16,0 16,0 16,0 16,0 16,0 16,0 16,0 16
110 120 130 140 150	Conductor Casing Surface Casing Protection Casing Protection Casing Protection Casing Protection Casing Drilling Liner & Tieback Production Liner/Casing Production Tubing Tubing Pups and cross-overs Subsurface Equipment Liner Hanger & Packer Production Packer, Anchor, Seals Cementing Equipment Gas Lift Mandrels & Valves Pumps Bridge Plugs Wellhead Equipment Stock Tanks 400 BL Water Tank 400 BBL Sand Separator Gas Meters Separator - 2 Phase 36"x 10" Heater Treater 6"x 20" Miscellaneous Equipment Surface Lines/Gathering System Line Pipe/Fittings Sucker Rods le Cost	10,500 9,000 4,500 8,500 20,000	7600 12600 7800 2 1 3 1	15,000 11,000 136,800 4,500 4,500 15,000 5182,300 Drilling \$2,001,300		151,200 32,200 31,200 1,000 63,000 15,000 20,000 21,000 21,000 6,000 13,500 20,000 45,000 25,000 \$379,400  Completion \$2,818,400	314,0 15,0 11,0 136,8 151,2 32,2 31,2 1,0 67,5 8,0 19,5 20,0 25,0 78,0 21,0 9,0 45,0 20,0 25,0 \$561,7 Total \$4,819,7 \$240,9

Approved By:

Company: Gastar

Title: Arilling Engineen

Signed this 13 day of September 3.