

Gastar Exploration Inc.
Authorization For Expenditure - Drilling & Completion

Operator: Gastar Exploration Inc.	Prepared By: JMO	Tax Rate
Well Name: TBD 15-1H	Field: Sooner Trend	Depth: 13,000'
Legal: 15-18N-09W	Parish/County: KINGFISHER	Days: 21
Contractor:	State: OK	Spud Date:

Type of Operation	New Drill <input checked="" type="checkbox"/> Other _____	AFE # _____
	Re-Entry _____ Re-Comp _____	Budgeted: Yes <input checked="" type="checkbox"/> No: _____

Work Description
Drill & complete a horizontal Mississippia well.

Well Program (New Drills and Re-Entry Wells)

Casing	Hole Size	Casing Size Weight, & Grade	Depth	Drilling Fluid	Formation Evaluation
Conductor Pipe	26"	20" O.D. H-40	60'	water	
Surface	12 1/4"	9 5/8" 36 #/ft J-55 STC	1500'	WBM	
Intermediate	8 3/4"	7" 28 #/ft P-110 LTC	7,500'	WBM	
Prod. Liner	6 1/8"	4.5" 11.8 #/ft P-110 BTC	13,000'	Water	

Costs

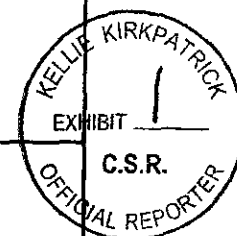
Code	Item	Drilling Cost	Completion Cost	Total Cost
Capitalized Intangible Drilling & Completion Costs		8300/8400	8500/8600	
100	Site Preparation & Maintenance	108,800	11,643	121,443
110	Title Opinion	25,000		25,000
120	Drilling/Completion Rig	375,000		375,000
130	Engineering & Supervision	84,000	37,800	121,800
140	Fuel	45,600		45,600
150	Well Evaluation	52,100	45,500	97,600
160	Casing Services	17,000	12,000	29,000
170	Cementing Services	28,500	25,000	53,500
180	Drilling Tools	47,500	2,200	49,700
190	Fluids, Services, & Rentals	54,600	125,000	179,600
200	Equipment Rentals	26,050	170,350	196,400
210	Drill String	47,625	9,100	56,725
220	Environmental	62,370		62,370
230	Miscellaneous			
240	Specialty Tools & Services	87,000		87,000
250	Trucking & Transportation	10,000	2,500	12,500
260	Welding	5,000		5,000
270	Production Services		1,852,500	1,852,500
300	Contract Labor	12,000	36,000	48,000
310	Plug and Abandonment	15,000		15,000
400	Insurance	7,800		7,800
500	Overhead Allocation			
Total Intangible Cost		1,111,845	2,329,593	\$3,441,438
100	Casing	133,535	35,000	168,535
110	Tubing		34,250	34,250
120	Subsurface Equipment		80,000	80,000
130	Wellhead Equipment	11,500	5,000	16,500
140	Production Equipment		122,128	122,128
150	Miscellaneous Equipment			
Total Tangible Cost		\$145,035	\$276,378	\$421,413
Total Cost		\$1,256,880	\$2,605,971	\$3,862,851
Contingencies				
AFE Cost		\$1,256,880	\$2,605,971	\$3,862,851
Operator	W.I. Share			
WIP #1	W.I. Share			
WIP #2	W.I. Share			
WIP #3	W.I. Share			
Total				

Approvals

Company, Name & Title	Signature	Date
Initiator John O'Dowd		4/25/17
1st Level Rick Johnson		
2nd Level		
3rd Level Russ Porter		

Approvals - Working Interest Partners

Name & Title	Signature	Date
WIP #1		
WIP #2		
WIP #3		



APR 25 2017

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