

**CARRERA ENERGY, LLC
AUTHORITY FOR EXPENDITURE**

201701228

AFE # _____

Date: 9-16-2016

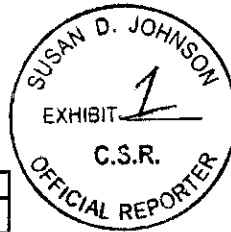
Well Name: Heshey 32-1H

True Vertical Depth 10,300 ft

Measured Depth 20,277 ft

Well Location: Sec 32, T17N, R12W, Blaine County, Oklahoma - 10,000 ft Lateral

Meramec Formation



MAR 21 2017

Account No.	Description	Cost	Account No.	Description	Cost
505010	DRILLING ↓ - Administrative Overhead			COMPLETION CONTINUED ↓	
505025	Air Drilling Costs		510175	Flow Line Installation (Frac Water Delivery Lines)	
505040	Bits/Reamers/Cutters	\$65,000	510185	Forklift	5,000
505050	Casing Crews	\$45,000	510195	Fracturing	2,500,000
505055	Cattle Guards		510210	Fuel & Oil	15,000
505060	Cement & Cement Service	\$126,000	510215	Geological	
505070	Chemicals	\$15,000	510280	Logging	10,000
505090	Consulting	\$99,000	510290	Materials & Supplies	10,000
505095	Contract Labor	\$75,000	510300	Miscellaneous-IDC Completion	5,000
505100	Coring Services		510320	Packers/Packer Rental	
505105	Depth Control Logging		510330	Perforating	175,000
505110	Diagnostic Analysis		510350	Plugging Services	125,000
505115	Directional Control Services	\$280,000	510405	Rental Equipment	45,000
505120	Dirt Work		510410	Reverse Unit	30,000
505125	Drill Stem Tests		510415	Roustabout Services	25,000
505135	Drilling-Daywork 45 days @ \$18,000/day	\$810,000	510475	Sheaves/Pulleys/Hubs	
505136	Drilling-Footage		510490	Stimulation	
505137	Drilling-Turnkey		510500	Supervision	
505145	Electric Logging	\$175,000	510520	Swabbing	
505160	Engineering		510535	Testing/Analysis	
505173	Float Equipment	\$35,000	510540	Trucking/Transportation	15,000
505185	Forklift	\$15,000	510585	Tubular Inspection	35,000
505190	Formation Open Hole Test		510615	Water/Water Hauling	60,000
505210	Fuel & Oil	\$157,500	510625	Welding	5,000
505215	Geological	\$40,000		COMPLETION TOTAL:	3,221,000
505230	Insurance (Well Control)	\$35,000	175002	TANGIBLE ↓ - Lease & Well Equipment	
505260	Legal (Title Opinion)	\$10,000	175005	Casing Head Equipment	5,000
505270	Location, Roads, Damages	\$120,000	175010	Casing-Intermediate 9,000' of 9-5/8" csg @ \$24/ft	216,000
505280	Logging	\$15,000	175015	Casing-Production 20,277' of 5-1/2" csg @ \$16/ft	324,432
505290	Materials & Supplies	\$15,000	175020	Casing-Surface 1,000' of 13-3/8" csg @ \$31/ft	31,000
505300	Miscellaneous IDC-Drill	\$10,000	175025	Compressor	
505310	Move In	\$75,000	175030	Electrify Well	75,000
505311	Move Out		175035	Flowline	125,000
505315	Mud	\$120,000	175040	Heater Treater	
505316	Mud Logging	\$60,000	175045	Liners & Hangers	50,000
505340	PIV/Pit Lining		175050	Meters & Gauges	25,000
505350	Plugging Services		175060	Miscellaneous Tangible Equipment	60,000
505405	Rental Equipment	\$160,000	175065	Peckers & Plugs	
505420	ROW/Easement		175070	Pumping Unit & Engine	
505500	Supervision		175075	Pump/Circulating	
505510	Surveying	\$2,000	175080	Pump/Downhole	
505530	Temperature Surveys		175085	Rods & Rod Guides	
505540	Trucking/Transportation	\$35,000	175087	Roustabout	30,000
505615	Water/Water Hauling	\$15,000	175090	Separator	25,000
505620	Water Well		175095	Tank Battery	195,000
505625	Welding	\$10,000	175100	Tubing	35,000
	DRILLING TOTAL:	\$2,619,500	175102	Tubing Anchor	
510010	COMPLETION ↓ - Administrative Overhead		175105	Tubing Coating	
510015	Acidizing		175110	Tubing Head	10,000
510035	Battery Installation		175115	Valves, Fittings & Connections	15,000
510040	Bits/Reamers/Cutters	\$20,000	175120	Water Disposal System	
510050	Casing Crews		175125	Water Injection System	
510055	Casing Accessories		175128	Well Head	10,000
510060	Cement/Cement Services			TANGIBLE TOTAL:	1,231,432
510070	Chemical/Chemical Treatment			GRAND TOTAL FOR ALL COSTS:	7,071,932
510080	Completion Unit	\$25,000			
510090	Consulting Expense	\$21,000			
510095	Contract Labor	\$20,000			
510110	Diagnostic Analysis				
510115	Directional Control Services				
510120	Dirt Work (Frac Water Ponds)	\$75,000			
510145	Electric Logging				
510160	Engineering				
510173	Float Equipment				

Prepared by:

Ron McIntyre

Printed Name:

Ron McIntyre

Interest:

0.00000000

Total Due:

\$0.00

Date:

12-12-16

ML

3-21-17