Gruntmeir 1H-18X			NEWFIELD		
PLAY TYPE:	AFE Drill Days = 34		TIL TILLED		
PROJECT DESCRIPTION & OBJECTIVE 10000' LOL					
		AFE #:			
		PROPOSED TD:	community of the wilder of the control of the contr		
		DATE: 12-22-14	AND THE RESERVE AND THE PARTY OF THE PARTY O		
		AFE TYPE:	Onill and Complete		
			Criginal		

			Onll and Complete Original		
DETAIL OF ESTIMATED EXPENDITURES	COST CODE	ORILLING 880	COMPLETION	FACILITIES 883	TOTAL
NTANGIBLES Base / Field Office Operations (housing, utilities, trash etc.)	101	\$56,100	\$0	663	\$56,10
Cased Hote Electric Wireline	102	\$0	\$412,500		\$412,50
Services - Casing Crews and Running Tools	103	\$68,000	\$0		\$68,00 \$207.00
Services Cementing	105	\$207,000 \$0	\$0 \$0		
Cost Tubing Unit Communications	109	\$8,000	50		\$8,00
Consultants	110	\$0	\$250,000	\$3,000	\$253,00
Core / Fluid Analysis	111	\$0	50	\$10,000	\$10,00
Ingineering • Process	115	\$0	\$0		\$
Engineering - Structural	116	50	\$0		5
Directional Drilling Operations	113	\$403,700	\$0		\$403,70
nvironmental & Safety Services	117	\$2,000	50		\$2,00
ishing Services	119	\$0 \$20,400	\$0 \$150,000		\$170,40
luids Disposal (includes transportation)	121	\$120,000	\$150,000		\$120,00
tervices Formation Evaluation omation Stimulation - Fracturing	122	\$0	\$3,845,000		\$3,845,00
omation Stimulation - Other	123	50	\$100,000		\$100,00
rspection - Bottom Hole Assembly	129	\$18,500	\$0		\$18,50
nspection - Casing	130	\$1,500	\$0		\$1,50
spection - Onll Pipe	131	\$43,000	\$0		\$43,00
spection - Tubing	133	\$0	\$0		5
estallation / Removal - Pipeline	135	\$163,100	\$250,000	\$85,000	\$85,00
abor - Company Supervision	139	\$153,100 \$0	\$250,000	\$500	\$403,10
ompany Labor	140	50	50	3300	\$ \$
abor - Contract Employees ocation Preparation	143	\$135,000	\$75,000		\$210,00
ocation Preparation ocation Remediation & Maintenance	144	\$311,900	\$50,000		\$361,90
ervices Miscellaneous	146	\$102,500	\$100,000	commission introduction	\$202,50
lud Logging Services	147	\$54,700	\$0		\$54,70
roject Management	149	\$0	\$0		3
nilling & Completion Rig Costs #DIV/01	150	\$778,400	\$350,000	\$14,000	\$1,142,40
rilling Well Turnkey Costs	152	\$0 \$254,100	\$0		\$254,10
ig Mobilization & De-Mobilization	153	\$254,100	\$0 \$0		\$234,10
ecurity Services	155	\$0	\$0		- 5
lickline Services	156	\$3,000	\$0		\$3,00
urvey - Location urvey - Well (not associated with directional drilling)	157	\$2,500	\$0		\$2,50
esting - Well Control Equipment	160	\$35,000	\$0		\$35,00
ransportation - Land	162	\$26,400	\$20,000	\$3,000	\$49,40
ubular Conveyed Perforating & Drill Stem Testing Services	165	\$0	\$0		\$
ervices Welding	166	\$7,500	\$5,000		\$12,50
rill Bits	301	\$198,800	\$175,000		\$373,80
low Out Preventor	302	\$34,700	\$0		\$34,70 \$4,50
ompletion Fluids	304	\$0	\$4,500		\$4,50 \$
ompressors	305	\$0 \$0	\$0 \$0		\$
(ines	309	50	\$0	1	Š
ehydration Unit rill String	310	\$54,000	SO		\$54,00
lectrical Repairs	311	\$0	:\$0		\$
ive!	313	\$260,100	\$429,000		\$689,10
as Measurement	317	\$0	\$0	\$34,000	\$34,00
onerators	318	\$0	\$0		S
lent Lost in Hole	325	SO SO	50		\$
ent Miscellaneous Surface Equipment	328	\$35,100	\$50,000	\$50,000	\$135,10
lud - Onlling	329	\$508,900	\$0 \$0		\$508,90 \$78,40
lud Maniforing & Processing Equipment	330 341	\$78,400 \$20,600	30		\$20,60
tabilizer, Under-Reamer, Hole-Opener	346	\$20,000	\$0	\$85,000	\$85.00
ools & Supplies apor Recovery System	349	so so	\$0	\$20,000	\$20,00
apor Recovery System Initing Water	350	\$9,400	\$10,000		\$19,40
Vater Handling Equipment	351	- \$0	\$0		\$
Initing Insurance	501 503	\$0	\$0		\$
ogal Foos	503	\$3,000	\$10,000		\$13,00
egulatory Compliance	511	\$0	02	denn or viscous	\$67,00
verticad	965	\$17,000 \$4,032,300	\$50,000 \$6,336,000	\$304,500	\$10,672.80
ubtotal - Intangibles		880	881	883	J.ur z
ANGIBLES	332	\$0	001		\$
il Measurement Equipment ine Pipe & Battery Fittings	335	\$0			
umps	336	\$0			A THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN
eparators	340	\$0		\$62,000	\$62,00
lock Tanks	345	\$0		\$65,000	\$65,00
roalers	347	\$0			****
rlificial Lift	601	\$0		\$25,000	\$25,00
asing Accessories	602	\$25,000			\$25,00
liscellaneous Tangible Equipment	603	\$0		50	
ackers / Anchors / Liner Hangers	604	\$0		30	
Vater Casing (Conductor Casing)	607	\$0 \$72,000			\$72.00
ipe Surface Casing (\$48 / ft)	609	\$72,000			3/2.0
ipe Intermediate Casing roduction Casing/Liner #VALUE!	610	\$548,200		\$0	\$548.20
roduction Casing/Liner #VALUE:	611	\$0			1000
ubing Linds	613	\$0	1100 1 100	\$50,000	\$30.00
Pods	614	\$0		\$0	
Ubing Accessories	616	\$0			****
Veilhead	617	\$22,500			\$22,5
iubtotal - Tangibles		\$667,700		\$202,000 \$506,500	\$869,70 \$11,542,50
			\$6,336,000	walle alli !	- ALL MAY DU
		\$4,700,000			4111042100
AFE TOTAL	Scope By	Prepared By D. Wayne Johnson	Prepared By Cody Bass	Prepared By Jamid Franke	011,042,00

This AFE is only an estimate. By returning one signed copy the undersigned hereby agrees to pay its share of all the actual costs incurred in this operation.

NAME:	CC	COMPANY:	
PRINTED NAME:	A CONTRACTOR OF THE PROPERTY O	DATE:	
TITLE:			

