1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6181 Fax: (575) 393-0720

DISTRICT 1.

DISTRICT II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 478-3480 Far: (505) 478-3462

State of New Mexico Energy, Minerals & Natural Resources Departmend BBS Submit one copy to appropriate

Form C-102

District Office

1220 South St. Frances Dr. MAR 2 3 2016

Santa Fe. NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

**OIL CONSERVATION DIVISION** 

### RECEIVED

□ AMENDED REPORT

< . Pool Name API Number Pool Code 98178 <u> 30-025-00367</u> WC-U25 GOI 51632111 San Andres **Property** Code Well Number **Property** Name ANDERSON RANCH UNIT 017 OGRID No. **Operator** Name Elevation CAMBRIAN MANAGEMENT, LTD 4273 155471 Surface Location North/South line East/West line Feet from the Feet from the Lot Idn County UL or lot No. Section Township Range 1981,980 1984 2 16 S 32. E SOUTH EAST LEA J 1980 Bottom Hole Location If Different From Surface North/South line Feet from the Feet from the East/West line UL or lot No. Section Township Range Lot Idn County 32 E 1500 NORTH 2330 EAST LEA G 14 16 S Joint or Infill Consolidation Code Order No. Dedicated Acres NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION L13 115 118 14 Surface Location Scale: 1"=2000' **OPERATOR CERTIFICATION** Plane Coordinate L ĸ 3 I 2 X = 683.712.5eby certify that the information contained herein is true and #17 (SL) Y = 709,373.0 the best of my knowledge and better, and that this organization either œ 1984' 25'51'25" as a morking interest or unleased mineral interest in the land incl Geographic Coordinate used bottom hole location or has a right to drill this well at this 795.1 Lot. 32\*56'55.34" N location personal to a contract with an owner of such a mineral or working it, or to a voluntary pooling agreem Long, 103'44'04.05" W ent or a ce heretofore entered by the division. 981 1 267 0 P М - 10 3-18-16 mosi Signature Denise Jones Printed Name diones@cambriangmt. com (5279) Elmail Address 8046 SURVEYOR CERTIFICATION ţ I hereby certify that the well location shown on this re Transverse "New Mexico st Zone, North own hereon gre plat was plotted from field notes of actual surveys 2 7 made by me or under my supervision, and that the same is true and correct to the best of my belief. 00'21' the "N East Z( shown S vn hereon form to th w Mexico E Distances s values. Morch 16, 2016 Date of Survey Date of Survey Signature & Seal of Protestant Very 3DE SH HENCO 1 en a ) Plane Coordinate: Mercator Grid an Coordinate Syster American Datum o maan horizontal 500 **Bottom Hole Location** 23263 Plane Coordinate 14 171 X = 683,415.9Y = 700,614.22330' (BHL) Geographic Coordinate (Ò. 0154 ay tegging to strain the strain t Lot. 32'55'28.69" N NOTE: Lon. 103'44'08.12" W Certificate No. Lindsoy ÷

(/}



FIRM REGISTRATION NUMBER: 100682-00 110 W. LOUISIANA AVE., SUITE 110 MIDLAND, TEXAS 79701 (432) 687-0865 - FAX (432)687-0868











### HOBBS OCD

MAR 2 3 2016

RECEIVED

Cambrian Management Ltd 415 W. Wall St, #900 Midland, TX 79701

> Anderson Ranch Unit #17 Lea County, NM API Number: 0

# Cementing Proposal 5.5" Production

Prepared For: Dallas Frazier Email: dfrazier@cambrianmgmt.com

Service Point: Midland, TX

Operations Manager: Josh Leininger Business Phone: 432-563-4440 Mobile Phone: 432-466-9018 email: josh.leininger@alliedservices.com

Sales & Technology Manger: Jared Booker Business Phone: 432-563-4440 Mobile Phone: 432-301-1553 email: jared.booker@alliedservices.com



## THANK YOU FOR YOUR BUSINESS!

Operator Name: Well Name: March 08, 2016

Cambrian Management Ltd Anderson Ranch Unit #17

# 

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4060 to 13220 ft. MD 7 7/8 in. 1904.4 ft <sup>3</sup> 791.5 ft <sup>3</sup> 5.0 ft <sup>3</sup> 0 to 4060 ft. MD					
7 7/8 in. 1904.4 ft <sup>3</sup> 791.5 ft <sup>3</sup> 5.0 ft <sup>3</sup> 0 to 4060 ft. MD					
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791.5 ft <sup>3</sup> 5.0 ft <sup>3</sup> 0 to 4060 ft. MD					
5.0 ft <sup>3</sup> 0 to 4060 ft. MD					
0 to 4060 ft. MD					
	.				
0 5 /0 :	1				
8 5/8 in.					
7.921 in.					
32.00 lbs/ft					
J-55					
0.4- 10000 6 110					
	32.00 lbs/ft J-55 0 to 13220 ft. MD 5 1/2 in. 4.78 in. 20.00 lbs/ft	32.00 lbs/ft J-55 0 to 13220 ft. MD 5 1/2 in. 4.78 in. 20.00 lbs/ft	32.00 lbs/ft J-55 0 to 13220 ft. MD 5 1/2 in. 4.78 in. 20.00 lbs/ft	32.00 lbs/ft J-55 0 to 13220 ft. MD 5 1/2 in. 4.78 in. 20.00 lbs/ft	32.00 lbs/ft J-55 0 to 13220 ft. MD 5 1/2 in. 4.78 in.

### Pump Schedule

#### 5.5" Production

Fluid #	Fluid Type - Name.	Surface Density (Ib/gal)	Estimated Avg: Rate (bbl/min)	Downhole: Volume (bbl)	Water Required (bbl.)
Spacer 1	Mud Clean	9.50	5	40.0	40.0
Lead 1	ALLIED HIGH-YIELD - CLASS C	11.80	5	140.5	106.7
Tail 1	ALLIED 50/50 POZ BLEND - CLASS C	14.40	5	339.0	200.6
Displacement 1	Fresh Water	8.33	5	291.0	291.0
			TOTALS	810.5	638.3
		Estimated pump time @ 4 bpm		3.38	hrs

Estimated pump time @ 4 bpm 3.38 Estimated pump time @ 8 bpm 1.69

hrs

Page 2

Operator Name: Well Name: Cambrian Management Ltd Anderson Ranch Unit #17

Fluids Design	5.5" Produ	ction		
Spacer 1 Mud Clean		Fluid Density:	9.50 lb/gal	
		Fluid Volume:	40.0 bbis	
Lead 1 ALLIED HIG	H-YIELD - CLASS C			
Base Slurry 50:50 Class	C : Poz Blend, 10% Gel, 5 lb/sk Salt			
0.4% BWOC	Fluid Loss Additve - Low Density Slurries	Slurry Density:	11.80 lb/gal	
0.2% BWOC	Retarder - Low Temperature	Slurry Yield:	2.39 ft <sup>3</sup> /sk	
		Mixing Water	13.58 gal/sk	
Top of Cement Calculated	to be Circulated to Surface	Total sacks	330 sks	
Volume of Cement Based Off	10% Excess of Previous Casing	Total barrels	140.5 bbls	
Tail 1 ALLIED 50/5	0 POZ BLEND - CLASS C	······		
Base Slurry 50:50 Class	C : Poz Blend, 2% Gel			
0.4% BWO0	Fluid Loss Additive - Mod Temp	Slurry Density:	14.40 lb/gal	
0.2% BWO0	Retarder - Low Temperature	Slurry Yield:	1.22 ft³/sk	
		Mixing Water	5.38 gal/sk	
Top of Cement Calc	ulated to be 4,060 ft	Total sacks	1565 sks	
Volume of Cement Based O	ff 20% Excess of Gauge Hole	Total barrels	339.0 bbls	
Displacement 1 Fresh Wate	r	Fluid Density:	8.33 lb/gal *	
		Fluid Volume:	291.0 bbls	

Operator Name: Well Name: March 08, 2016

Cambrian Management Ltd . Anderson Ranch Unit #17

Cost Estimate

5.5" Production

Services	Qty	UoM	Unit Price	Total Price
Casing Pump Charge 13000' to 14000'	1.00	Min. 8 hr	\$3,249.90	\$3,249.90
Data Acquisition	1.00	per job	\$304.92	\$304.92
Cementing Head Rental with Manifold - Low Pressure	1.00	per day	\$138.60	\$138.60
Field Bin Rental, per five day period or fraction	2.00	per day	\$162.00	\$324.00
Bulk Materials Service Charge	2037.46	per cu. ft.	\$0.50	\$1,008.54
Ton Mileage (per ton per mile basis, from nearest operating location)	6269.49	ton-mile	\$0.50	\$3,103.40
Light Vehicle Mileage, round trip from nearest operating location	150.00	per mile	\$0.94	\$141.21
Heavy Vehicle Mileage, round trip from nearest operating location	450.00	per mile	\$1.39	\$623.70
		Subtotal:	\$8,894.27	
E. L	<u> </u>	1		
Equipment Sales	Qty	<u>UoM</u>	<u>Unit Price</u>	Total Price
Top Rubber Plug	1.00	each	\$154.70	\$154.70
·			Subtotal:	\$154.70
Materials	Qty	UoM	Unit Price	Total Price
Mud Clean	40.00	per bbl	\$11.15	\$446.12
ALLIED HIGH-YIELD - CLASS C	330.00	per sack	\$7.99	\$2,635.91
CFL-330	111.00	per lb	\$5.98	\$663.91
CR-100	56.00	per lb	\$1.45	\$81.08
ALLIED 50/50 POZ BLEND - CLASS C	1565.00	per sack	\$6.42	\$10,047.46
CFL-300	526.00	per lb	\$6.55	\$3,442.93
CR-100	263.00	per lb	\$1.45	\$380.77
Defoamer - Liquid	20.00	per gal	\$16.88	\$337.59

TOTAL EXCLUDING ADDITIONAL ITEMS: \$27,084.74

Subtotal:

\$18,035.77

Additional Items	Qty	UoM	Unit Price		Total Price		
Additional hours, in excess of set hours	1.00	per hour	\$	632.50	\$	632.50	
Derrick Charge	1.00	per event	\$	143.55	\$	143.55	
						\$ 776.05	



The data contained in this proposal is based on the best information available at the time of writing and is subject to further analysis and testing. The prices contained in this proposal are estimates and may vary depending on the work actually performed. Pricing does not include federal, state and local taxes or royalties. This quotation is based on being awarded the work on a first call basis and may be subject to change for second or third call. This quotation is valid for thirty (30) days after listed proposal date, and may be subject to change if the work is performed more than thirty (30) days after the listed proposal date.

#### TERMS and CONDITIONS

Allied Oil and Gas Services' performance of services and sale of materials is expressly conditioned upon the applicability of the Terms and Conditions listed on the service ticket provided at the job site. The Terms and Conditions include, among other things, an indemnity in favor of Allied Oil and Gas Services from Customer for damage to the well bore, reservoir damage, loss of the hole, blowouts and loss of control of the well, even if caused by the negligence or other fault of Allied Oil and Gas Services. The Terms and Conditions also limit the warranties provided by Allied Oil and Gas Services and the remedies to which Customer may be entitled in the event of a breach of warranty by Allied Oil and Gas Services. For these reasons, we strongly recommend that you carefully review a copy of the Terms and Conditions.

By requesting that Allied Oil and Gas Services perform the services described herein, Customer acknowledges that such Terms and Conditions are applicable to the services. Further, by requesting the services, Customer warrants that its representative on the well location or other service site will be fully authorized to acknowledge such Terms and Conditions by executing a service ticket or other document presented by Allied Oil and Gas Services containing such Terms and Conditions.

In the event that Customer and Allied Oil and Gas Services have executed a Master Services Agreement covering the work to be performed, such Master Services Agreement shall govern in place of the Terms and Conditions.



-900 -600 -300 0 300 600 E.Offset (US ft) (Scale: 300USft/in)

HOBBS CCD