

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample
Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No	Name Top Datum
Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No	
Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No	
Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No	
List All E. Logs Run:	

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top _____ Bottom _____
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Quasar Energy Services, Inc.
 3288 FM 51
 Gainesville, TX 76240

Invoice

Date	Invoice #
4/6/2021	140828

Bill To
Bird Dog Oil and Gas 1801 Broadway Suite 200 Denver, CO 80202

As of 09/22/2015 any invoice with a discount must be paid within 60 days of the invoice date. After 60 days the discount will be removed and the invoice will reflect the full price.

Description	Quantity	Rate	Amount	Well	
				Gates-Garrett 1-3H	
Pickup Mileage	150	3.15	472.50		
Equipment Mileage	600	6.00	3,600.00		
Pump Charge	1	2,022.30	2,022.30		
Float Collar	1	607.32	607.32		
Float Shoe	1	472.50	472.50		
Rubber plug	1	50.40	50.40		
Weld	2	44.10	88.20		
Class A Cement	330	15.75	5,197.50		
Class H Cement	840	18.90	15,876.00		
C-17	423	10.71	4,530.33		
Defoamer	9	44.10	396.90		
Gypsum	4,150	0.95	3,942.50		
Kol seal	3,775	0.78	2,944.50		
Mud flush	840	1.26	1,058.40		
Salt	7,250	0.47	3,407.50		
Sodium Metasilicate	600	2.21	1,326.00		
FWCA	200	10.71	2,142.00		
Subtotal			48,134.85		
Discount - 35%		-35.00%	-16,847.20		
Total			\$31,287.65		
Payments/Credits			\$0.00		
Balance Due			\$31,287.65		

All accounts are past due net 30 days following the date of invoice. A finance charge of 1.5% per month or 18% annual percentage rate will be charged on all past due accounts.



QUASAR ENERGY SERVICES, INC.

3288 FM 51
 Gainesville, Texas 76240
 Office: 940-612-3336
 Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2c

3/25/21

CEMENTING JOB LOG

CEMENTING JOB LOG

Company: BIRD DOG OIL AND GAS LLC		Well Name: GATES-GARRETT # 1-3H	
Type Job: Cement- Production		AFE #:	
CASING DATA			
Size:	4 1/2	Grade:	P-110
		Weight:	13.5
Casing Depths	Top:	Bottom:	
Drill Pipe:	Size:	Weight:	
Tubing:	Size:	Weight:	Grade:
Open Hole:	Size: 8 3/4	T.D. (ft):	
Perforations	From (ft):	To:	Packer Depth(ft):
CEMENT DATA			
Spacer Type:		MUD FLUSH	
Amt.	20 BBL	Sks Yield	ft ³ /sk
LEAD:	CLASS A -- 2% GYP, 2% SMS, .2% FWCA, 1/4 # CELLFLAKE, 5% SALT		Density (PPG)
			Excess
Amt.	330	Sks Yield	2.97
			ft ³ /sk
TAIL:	50/50 H --5% GYP, 10% SALT, .6% C-17, .2% FWCA, 5# KOLDSEAL		Density (PPG)
			Excess
Amt.	840	Sks Yield	1.51
			ft ³ /sk
WATER:			
Lead:		gals/sk:	18
Tail:		gals/sk:	6.85
		Total (bbls):	
Pump Trucks Used:	110 -- DP7		
Bulk Equipment:	FB11		
Disp. Fluid Type:	FRESH WATER	Amt. (Bbls.)	87
		Weight (PPG):	8.33
Mud Type:			Weight (PPG):

COMPANY REPRESENTATIVE: _____ **CEMENTER:** KIRBY HARPER

TIME AM/PM	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
	Casing	Tubing	ANNULUS	TOTAL	RATE	
1500						ON LOCATION - SPOT AND RIG UP
1930						CASING ON BOTTOM -- BREAK CIRC
2115						SAFETY MEETING
2126	4000					PRESSURE TEST
2128	200			20	4	START PUMPING MUD FLUSH
2136	200			172	6	START MIXING LEAD CEMENT @ 11.4 PPG
2227	300			226	6	START MIXING TAIL CEMENT @ 13.8 PPG
2314						SHUT DOWN -- DROP PLUG -- CLEAN LINES
2324	700			0	6	START DISPLACING WITH FRESH WATER
2336	1400-1000			77	2	SLOW RATE
2342	1050-1550			87		BUMP PLUG
2347	1550-0			.5		RELEASE PRESSURE -- FLOAT HELD
				35		CIRCULATE CEMENT TO THE PIT

Summary of Changes

Lease Name and Number: GATES-GARRETT 1-3

API/Permit #: 15-185-24077-01-00

New Doc ID: 1880546

Parent Doc ID: 1598091

Correction Number: 1

Approved By: Alexis Vincent

Field Name	Previous Value	New Value
CasingAdd_Type_PctP DF_2		2%GYP, 2%SMS, .2FWCA, 1/4#
CasingAdd_Type_PctP DF_3		CELLFLALKE, 5% Salt 5% GYP, 10% SALT, .6%C-17, .2%FWCA, 5# KOLDSEAL
CasingNumbSacksUse dPDF_2		330
CasingNumbSacksUse dPDF_3		840
CasingPurposeOfString PDF_2		Intermediate
CasingPurposeOfString PDF_3		Production
CasingSettingDepthPD F_2		3716
CasingSettingDepthPD F_3		5905
CasingSizeCasingSetP DF_2		4.5
CasingSizeCasingSetP DF_3		4.5

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
CasingSizeHoleDrilledP DF_1	14.25	12.25
CasingSizeHoleDrilledP DF_2		7.875
CasingSizeHoleDrilledP DF_3		7.875
CasingTypeOfCementP DF_2		CLASS A
CasingTypeOfCementP DF_3		50/50 H
CasingWeightPDF_2		13.5
CasingWeightPDF_3		13.5
Contractor License Number	33132	36032
Contractor Name	Dan D Drilling	Double D Drilling KS LLC
Approved By	Deanna Garrison	Alexis Vincent
Approved Date	11/18/2021	01/23/2026

Summary of Attachments

Lease Name and Number: GATES-GARRETT 1-3

API: 15-185-24077-01-00

Doc ID: 1880546

Correction Number: 1

Attachment Name

Cement Ticket LS (Production)