Notary Public LD

Date Commission Expires 8-9-Zoo

DEBBIE FRANKLIN Notary Public, State of Texas

My Commission Expires .UG. 9, 2001 <del>zaz</del>⊁ o d<del>a</del> o

API NO.\_15-071-207110000\_

## STATE CORPORATION COMMISSION OF KANSAS OIL & GAS CONSERVATION DIVISION WELL COMPLETION FORM

WELL COMPLETION FORM	CountyGreeley
ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	s/2NE/4-sW/4 sec. 19 Twp. 20 Rge. 39X_W
Operator: License # _4894	1500 Feet from S/N (circle one) Line of Section
Name: _Horseshoe Operating, Inc	1980 Feet from E/© (circle one) Line of Section
Address _500 W. Texas, Suite 1190	Footages Calculated from Nearest Outside Section Corner: NE, SE, NW or (circle one)
	Lease Name _Wa. tson Farms Well # _2
City/State/ZipMidland, Tx 79701	Field Name _Bradshaw
Purchaser: Heritage Gas	Producing FormationWinfield
Operator Contact Person: S. L. Burns	· · · · · · · · · · · · · · · · · · ·
Phone (915_)_683-1448	Elevation: Ground3531 KB3540
Contractor: Name: _Murfin Drilling Co.	Total Depth2945 PBTD
License: _30606	Amount of Surface Pipe Set and Cemented at 6 jts @ _242 Feet
Wellsite Geologist: 11-29-99	Multiple Stage Cementing Collar Used? Yes _X No
	If yes, show depth set Feet
Designate Type of Completion ### Workover ### Workover ####################################	If Alternate II completion, cement circulated from2944
Oil SWD SIOW Temp. Abd.	feet depth tosurface w/725 sx cmt.
X Gas ENHR SIGW Other (Core, WSW, Expt., Cathodic, etc)	Drilling Fluid Management Plan AH. 2 /2-29-99 (Data must be collected from the Reserve Pit)
If Workover/Reentry: Old Well Info as follows:	
Operator:	Chloride contentppm Fluid volumebbls
Well Name:	Dewatering method used
Comp. Date Old Total Depth	Location of fluid disposal if hauled offsite:
Deepening Re-perf Conv. to Inj/SWD	Operator Name
Plug Back PBTD PBTD PBTD PBTD PBTD PBTD PBTD PBTD	
Dual Completion Docket No. Other (SWD or Inj?) Docket No.	Lease NameLicense No
10/25/99 10/27/99 11/11/99	Quarter Sec TwpS RngE/W
10/25/99	County Docket No
- Room 2078, Wichita, Kansas 67202, within 120 days of the Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on 12 months if requested in writing and submitted with the	side two of this form will be held confidential for a period of e form (see rule 82-3-107 for confidentiality in excess of 12 report shall be attached with this form. ALL CEMENTING TICKETS
All requirements of the statutes, rules and regulations promulga with and the statements herein are complete and correct to t	ated to regulate the oil and gas industry have been fully complied he best of my knowledge.
Signature Skippy 2 Burns	K.C.C. OFFICE USE ONLY  F CLetter of Confidentiality Attached
TitleVice-President Date	-13-99 C Vireline Log Received
Subscribed and sworn to before me this 23 day of _Novembo	er, C Geologist Report Received  Distribution
- A A	KCCSWD/RepNGPA

Form ACO-1 (7-91)

Ptug

ORIGINAL

Other (Specify)

•			SIDE TWO	15-07	M2071	1-00	-00
Operator Name _Horses	_	_	Lease Name	Watson F	arms	Well # .	_2
Sec19 Twp20s_	[ Rge39 [	East X West	County	Greeley_		. ,,	
INSTRUCTIONS: Show interval tested, time hydrostatic pressures, if more space is need	ne tool open ar bottom hole te	nd closed, flowing mperature, fluid reco	and shut~in pres	sures, whetl	her shut-in pre	ssure read	hed static level.
Drill Stem Tests Take (Attach Additional		Yes X No	Log	Formation	n (Top), Depth	and Datums	•
Samples Sent to Geold	ogical Survey	☐ Yes 【X】No	Name		Тор		Datum
Cores Taken		Yes X No	Base Stor	ne Corral ield		(+1136) (+750')	
Electric Log Run (Submit Copy.)		☐ Yes 【X】No	Base Pord Top of To	Top of Porosity 2799' (+741') Base Porosity 2812' (+728') Top of Towanda 2825' (+720')			
List All E.Logs Run:			1	Porosity	2905 '	(+690') (+665')	
Compensated Neutron Dual Spaced Cement Bo			Top of Fi Top of Po Base of I		2905 '	(+650') (+635') (+618')	
		CASING RECORD			<u> </u>		
	Report al	l strings set-condu	New X Us		production, et	c.	
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
Surface	12-1/4	8-5/8	24	242	c	180	3% cc 2% gel
Production	7-7/8	4-1/2	10.5	2944	c	725	10%salt 1/4# flose
	ADDITIONAL CI	EMENTING/SQUEEZE REC	ORD	· · · · · · · · · · · · · · · · · · ·			
Purpose: Perforate	Depth Top Bottom	Type of Cement	#Sacks Used	ks Used Type and Percent Additives			s
Protect Casing Plug Back TD							
Plug Off Zone	<u>                                     </u>						
Shots Per Foot		RECORD - Bridge Place of Each Interval		Acid, (Amount an	Fracture, Shot, d Kind of Mater	Cement Sq ial Used)	ueeze Record Depth
1 2	2854'-58'; 2865	'-70'		1000 gals 7-1/2% HCL			
1				8000# 20/4	0 sand		1, 1
				4000# ACFR	AC 4000 25# gel		
TUBING RECORD	\$ize 2-3/8	Set At 2890	Packer At	Liner Run	☐ <sub>Yes</sub> [χ]	No	
Date of First, Resur Waiting on evulation		SWD or Inj. Prod ipeline	ucing Method F	lowing XJPu	mping Gas L	ift 🗆 ot	her (Explain)
Estimated Production Per 24 Hours	n Oil	Bbls. Gas 290 es	Mcf Wate		Gas-Oil	Ratio	Gravity
Disposition of Gas:		COMPLETION 101	_	_	oduction Interv		
Vented X Sold (If vented, sub	Used on Lomit ACO-18.		Hole X Perf.			ingled _	<del>.</del>
		— Othe	. (upcol13)			_	<del>-:</del>

Vicinity Andrews

## ALLIED CEMENTING CO., INC. 1684 Federal Tax I.D.a. 1684

REMIT TO P.O. BOX 31

,	±00 ,
	WF
SERVICE POINT:	۲۰۰۰
SERVICE FOINT.	1/1

RUSSELL, KANSAS 6/665				<u>t/ak</u>	14
DATE 10-28-99 19 20 3 RANG	GE (	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
Watson Facus	٠			COUNTY,	STATE
OLD OR NEW Circle one)	ATION /s.b.	me 115-	4 E-15-16 E-14N	brueley	Kun
CONTRACTOR Mus Fin D. C	2, #24	OWNER	Same	•	
TYPE OF JOB Production String	*				
HOLE SIZE 1/1/8 T.D.	2945	CEMENT		<b>6</b>	de: - 11
CASING SIZE 4/2 DEPTH	2937			SK3 C " /	0% Salt
TUBING SIZE DEPTH DRILL PIPE DEPTH		_600	SKS 1,70, 14"	Flo-Sec.	
TOOL DEPTH		<del></del>			
PRES. MAX 1400 MINIMUM	и 50	COMMON	125 sts C"	@ <u>935</u>	1, 168-
MEAS. LINE SHOE JOI	<del></del>	POZMIX		@	
CEMENT LEFT IN CSG.	2-55'	GEL		_@	
PERFS. DISPLACEMENT 46.4		CHLORIDE		@ <u>/ 65</u>	200.00
		1.te	600 SKs 10 SKs	@ <u>0=</u>	3,990
EQUIPMENT		Flo-Sec		@ 115	17250
PUMP TRUCK CEMENTER May	,			@	
PUMPTRUCK CEMENTER May # 102 HELPER (16)	T			@	
BULK TRUCK	<del>/</del>	HANDLING		@ 105	-761 = -761
# 347 DRIVER Long	y i e	MILEAGE _	44 px 5/C/14	ile	2,030 €
BULK TRUCK					\$ 10050
# 303 DRIVER				TOTAL	8,19250
REMARKS:	SERVICE				
Plux Rat + Mouse Hole with 250	ck-11+	DEPTH OF	IOP	*	
Int 4's Can With 5 75ghe Lit			CK CHARGE		1.080 0
SKG Class C Washup lumpt		EXTRA FO		@	
Drag Plug Pisplace 46.6 11	3L Land		70-miles	@ <u></u>	nic
Plug Float Held Cemen	T pid	PLUG		. @	
Circulate.		<del></del>		.@	
				.@	
				TOTAL	1080 00
CHARGE TO: Horseshoe OF	wichus In			TOTAL	400
STREET		-	<b>7</b>		
STREET			FLOAT EQUI	PMENT	
CITY STATE	ZIP		4/2		00//00
		1- AF-C	Flort Shee		200
		8- Court	colonia Plus 1855	@ <u>25</u> @	<u> 300                                  </u>
		- O LONI		@	
To Allied Cementing Co., Inc.				@	
You are hereby requested to rent cementing	equipment				
and furnish cementer and helper to assist or				TOTAL	<u> 724 <sup>∞</sup></u>
contractor to do work as is listed. The above	ve work was				
done to satisfaction and supervision of owr		TAX			
contractor. I have read & understand the "	TERMS AND	TOTAL OIL	. D.O.E.		
CONDITIONS" listed on the reverse side.			ARGE		
11.		DISCOUNT		IF PAID	IN 30 DAYS
SIGNATURE Kipper Z Burn	2	<i>SK</i> ,	PPER L. Bu	ins	
State.	·-p		PRINTE	D NAME	
	<10N				

REN De To

Land Aggers

## ALLIED CEMENTING CO., INC. 1683.

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665		SERV	ICE POINT:	Klex
DATE 10-25-99 SEC. TWP. RANGE 39 39 39 39	CALLED OUT ON L	OCATION .	JOB START	JOB FINISH Pm
Watson-Farms WELL# 2 LOCATION Tribe	ue. 115- 40E		COUNTY	STATE
OLD OR NEW (Circle one)	1112 113 - 70E	1/4N	6 seda	X KCUA
CONTRACTOR MURFIN Dr/s Ca#24  TYPE OF JOB SUFFACE	owner Sc	us L		
HOLE SIZE 12/4 T.D. 255	CEMENT			
CASING SIZE 85/8 DEPTH 2.54	AMOUNT ORDERE	D/80	) SKS 6/40	per
TUBING SIZE DEPTH	3	% cc-29	6 Cel	
DRILL PIPE DEPTH TOOL DEPTH		<del></del>		<del></del>
PRES. MAX MINIMUM	COMMONIOS	5K3	@ 7 <i>55</i>	815 40
MEAS. LINE SHOE JOINT	POZMIX 72	SKS	@ <u>725</u>	234 85
CEMENT LEFT IN CSG. 15"	GEL 3	5Ks	@ <i>95</i> 0	28 00
PERFS.	CHLORIDE5	SKs_	@ <u>28.</u>	140 00
DISPLACEMENT			_ @	
EQUIPMENT			_@	
			-@	
PUMPTRUCK CEMENTER Walt			- <sup>@</sup> ———	<del></del>
# 102 HELPER BULK TRUCK	HANDLING 180	SKS	@ /05	189.00
# 240 DRIVER Jim W	MILEAGE 44	Dr ISK	Inila	50450
BULK TRUCK  # DRIVER	,	,	TOTAL	1,910 90
REMARKS:		SERVIC	CE	
	DEPTH OF JOB			
Conunt Del Cra	PUMP TRUCK CHAI			470°°
	EXTRA FOOTAGE		@	
	MILEAGE 70-	Milas	_@	45-6161
	PLUG 8%			<u> </u>
De l'A			@	
				- · - 00
CHARGE TO: Horseshoe Openting			TOTAL	<u>515°°</u>
STREET	FLO	AT EQUI	PMENT	
CITY STATE ZIP				
			@	
			. @	
			.@	
m . W . G			. @	
To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or				
contractor to do work as is listed. The above work was				
done to satisfaction and supervision of owner agent or	TAX			
contractor. I have read & understand the "TERMS AND	TOTAL CHARGE			
CONDITIONS" listed on the reverse side.				
	DISCOUNT		IF PAID	O IN 30 DAYS
2 .2	/			
SIGNATURE Laura Mc Runa	LOUIS M			
STATE		PRINTE	D NAME	
מסורי	,			
1 1 1 7 2				

County Manager