

Kansas Corporation Commission
Oil & Gas Conservation Division

1091462

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	33922		API No. 15 - 15-165-21971-00-00						
	nergy Corporation		Spot Description:						
Address 1: PO BOX 11	121		NE_NW_SE_NW_Sec. 6 Twp. 16 S. R. 18 ☐ East West						
Address 2:									
City: HAYS	State: KS Zip:	67601 +	1845 Feet from East / West Line of Section						
Contact Person: Rodni Phone: (785) 62	ey Brin 3-0533		Footages Calculated from Nearest Outside Section Corner:						
CONTRACTOR: License			County: Rush						
Name: Discovery Drii	lling		Lease Name: Werth Well #: 1						
Wellsite Geologist: Herb	Deines		Field Name: Big Timber Northwest						
Purchaser:			Producing Formation: None						
Designate Type of Comp		Workover	Elevation: Ground: 2004 Kelly Bushing: 2012 Total Depth: 3660 Plug Back Total Depth:						
Oil W Gas Ø Di OG CM (Coel Bed Meth	SW SWD &A ENHR GSW	SIOW SIGW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: 1185 Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from:						
If Workover/Re-entry: Ol			feet depth to: w/sx cmt.						
			Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)						
	Original Tota Re-perf. Conv. to Ef	NHR Conv. to SWD	Chloride content: 18000 ppm Fluid volume: 400 bbls Dewatering method used: Evaporated						
Plug Back:	Plug E	Back Total Depth	Location of fluid disposal if hauled offsite:						
Commingled	Permit #:		Operator Name:						
Dual Completion			Lease Name: License #:						
SWD			Quarter Sec Twp S. R						
☐ ENHR			County: Permit #:						
☐ GSW	Permit #:	_	County.						
5/5/2012	5/11/2012	5/12/2012							
Spud Date or Recompletion Date		Completion Date or Recompletion Date							

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY								
Letter of Confidentiality Received								
Date:								
Confidential Release Date:								
☑ Wireline Log Received								
Geologist Report Received								
UIC Distribution								
ALT I I II Approved by: Doenna Garibo Date: 08/29/2012								

Side Two



Operator Name: Mus	ו ַ	Lease Name: Werth Well #:1									
Sec. 6 Twp. 16	s. R. <u>18</u>	East	✓ West	County	: Rush	1					
INSTRUCTIONS: Sho time tool open and clos recovery, and flow rate: line Logs surveyed. At	sed, flowing and shu s if gas to surface te	t-in press st, along	ures, whether si with final chart(s	hut-in pres	sure read	ched static level,	hydrostatic pres	sures, bottom (nole tempe	rature, fluid	
Drill Stem Tests Taken (Attach Additional S.	haatal	√ Y	es No		V L	og Formatio	n (Top), Depth a	nd Datum	☐ Si	ample	
Samples Sent to Geolo	•	ПΥ	es √ No		Nam	_		Тор	_	atum	
Cores Taken	ogical outvey	□ Y			Anhyd	rite		1181 +831			
Electric Log Run		✓ Y	· · · · · · · · · · · · · · · · · · ·		Base			1210	+80		
Electric Log Submitted	·-	₹ Y	es 🗌 No		Heebr	er		3254	-12		
(If no, Submit Copy)					LKC			3301	-12		
List All E. Logs Run:					BKC	01		3546	-15 16		
Attached					Reaga	an Sand		3627	-16	13	
	•		ort all strings set-c	RECORD	✓ Ne urface, inte	w Used ermediate, producti	ion, etc.				
Purpose of String	Size Hole Drilled		ze Casing it (In O.D.)	Wei		Setting Depth	Type of Cement	# Sacks Used		nd Percent ditives	
Surface Pipe	12.25	8.625		23		1185	Common	450	2% Gel	3%cc	
								<u> </u>			
			ADDITIONAL	CEMENTI	NG / SOI	JEEZE RECORD					
Purpose:	Depth	Type	of Cement	# Sack:		LLZE RECORD	Type and	Percent Additives			
Perforate	Top Bottom	.,,,,									
Protect Casing Plug Back TD	-										
Plug Off Zone	-										
		^		•		1					
Shots Per Foot			RD - Bridge Plug Each Interval Perl				cture, Shot, Cemer mount and Kind of M		rd	Depth	
 	· · · · · · · · · · · · · · · · · · ·										
			~ ~~	·	···•··································						
TUBING RECORD:	Size:	Set At	:	Packer A	Mt:	Liner Run:	Yes No)			
Date of First, Resumed F	Production, SWD or EN	IHR.	Producing Meth	nod:	ng 🔲	Gas Lift 🔲 C	Other (Explain)				
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er B	bls.	Gas-Oil Ratio		Gravity	
2:0000:		<u> </u>		JETHOD C		TION	-	AAA			
DISPOSITIO	_		_	∕IETHOD O1 ☐ Perf.			nmingled	PRODUCT	ON INTERV	AL:	
Vented Sold Sold	Used on Lease		Other (See: 45)	1 001,	(Submit		mit ACO-4)				

Form	ACO1 - Well Completion
Operator	Mustang Energy Corporation
Well Name	Werth 1
Doc ID	1091462

All Electric Logs Run

Micro Log	
Dual Induction	
Compensated Neutron Density	
Sonic Log	



MUSTANG ENERGY CORPORATION

Scale 1:240 Imperial

Well Name:

WERTH #1

Surface Location:

NE NW SE NW 6-16S-18W

Bottom Location:

API:

15-165-21971-0000

License Number: Spud Date:

Region:

33922

5/5/2012

RUSH

5/12/2012

1340' FNL & 1845' FWL

Surface Coordinates: **Bottom Hole Coordinates:**

Ground Elevation:

Drilling Completed:

2004.00ft

K.B. Elevation: 2012.00ft Logged Interval: 1185.00ft

Total Depth:

3660.00ft

FRESH WATER/CHEMICAL GEL

OPERATOR

Company: MUSTANG ENERGY CORPORATION

Address:

Formation: **Drilling Fluid Type:**

P.O. BOX 1121

HAYS, KS 67601

Contact Geologist:

ROD BRIN

Contact Phone Nbr:

(785) 623-0533

Well Name:

WERTH #1

Location:

NE NW SE NW 6-16S-18W

API:

Time:

Time:

To:

3:34 PM

5:50 PM

3659.00ft

15-165-21971-0000

Pool:

Field:

BIG TIMBER NORTHWEST

State: **KANSAS** Country: USA

SURFACE CO-ORDINATES

Well Type:

Longitude: N/S Co-ord: Vertical -99.3574623

1340' FNL

E/W Co-ord: 1845' FWL Latitude:

38.6931176

LOGGED BY



Company:

SOLUTIONS CONSULTING

Address:

108 W 35TH HAYS, KS 67601

Phone Nbr:

(785) 259-3737

Logged By: Geologist

CONTRACTOR

Contractor: **DISCOVERY DRILLING**

> Rig #: 4

Rig Type: **MUD ROTARY** 5/5/2012

Spud Date: Time: 3:34 PM TD Date: Time: 5/12/2012 5:50 PM Rig Release: 4/12/2012 Time: 10:00 PM

ELEVATIONS

K.B. Elevation: 2012.00ft Ground Elevation: 2004.00ft

K.B. to Ground: 8.00ft

NOTES

DUE TO NON-COMMERCIAL RECOVERY ON ALL DST'S, DECISION WAS MADE TO PLUG & ABANDON THE WERTH #1.

RESPECTFULLY SUBMITTED, JEFF LAWLER

Name:

JEFF LAWLER

	P&A 12-86								P&A 7-96					P&A 4-85									
	R.P. NIXON								+		NIXON		_		STEUPLOR O	n		NCRA					
					RTH 84					_	BIEKER#1				BIECKER #1								
		WER	Tites	N2 SW NW 6-16-18				1	NW NE SW NW 6-16-18				NE NW SW 6-16-18				NW NW SE 6-16-18						
	KB	Г	2012		KB		2009		KB	ſ	2007		i k		2014			кв		2011			
	Mary .	Salver Carrier	SAMP	LE TOPS	CARD/SI	MPL TOPS	· 38	SMPL	CARD/S	MPLTOPS	13 D 16	SMP		TA SOURCE	200	SM	PL.	. DATA S	SOURCE	Se inte	SM		
FORMATION	DEPTH	And Street on the	DEPTH	DATUM		DATUM	Line Line	CORR	ОЕРТН	DATUM	100	COR) DEPT	H DATUM	Skranna	8	RR	ОЕРТН	DATUM	5	co		
ANHYDRITE TOF	1181		1171	841	1172	837	1 ""	4 4	1182	825	PA CA	÷	16 11	76 858			9	1169	842				
BASE	1210		1213	799	1215	794	1. 274	+ 5	1210	797	P. 1. 1. 1.	·+	2 12	18 796	40年2月至月	4	а			1.			
TARKIO		1				<u> </u>	48 July 1			L .	P. A. F. A.				14C 151	(
TOPEKA	2971	,	2969	-957	2971	-962	Mg +	+ 5	2967	-960	12 5	+	3 29	73 -959	100	+	2		I				
OREAD				I	<u> </u>	İ				I	A				建新		Ι			2			
HEEDNER SHALE	_3254_		3254	-1242	3252	-1243		+ 1	3249	-1242	原本原 性	+	0 32	58 -1244	支弧扩散		2	3255	-1244	'	•		
TORONTO	\$275	100	3276	-1264	3272	1263	$ \cdot \leq t$. 1	3268	-1261	企業用等	-	3		後 第								
DOUGLAS				İ			3. 3				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		_1		10 10	1	Ι.						
BROWN LINE											## E				是果麼籍		<u> </u>						
TAC	3301	S	5299	-1287	3298	-1289	- 1 ° 6	+ 2	3298	-1291	是最高國	+	4 33	08 -1294			7	3299	-1288		•		
S ec	3546		3544	-1532	3536	-1527	机厂艺术	_ 5	3532	-1525	医4.5%	·	7 35	36 -1522			10			1 .			
CONG.SAND		7" 1					* T				包括自我				E 12			3590	-1579				
MAPRIZEESIM		Y					S 30				4.5												
ARBUCKLE	3501	£.	3600	-1588	3575	-1566	H	. 2	3574	-1567	原则		21 35	93 -1579			9	3603	-1592] - 1 i	+		
REAGAN	3627				I						新聞の養				新聞 電視		<u> </u>	3626	-1615				
RTD			3660	-1648			3 3	\Box	3590	-1583	M Pi		65 36	06 -1597			56	3630	1619		·		
ਗ਼	3659	No. 1			3582	-1579	77. 1		3585	-1578	446		36	06 -1592			1	3630	-1619				

DST #1 LKC "D-F"



DRILL STEM TEST REPORT

Mustang Energy Corporation 6-16s-18w-Rush

PO Box 1121 Werth #1 Hays, KS. 67601

Job Ticket: 47287 DST#: 1

ATTN: Jeff Lawler Test Start: 2012.05.10 @ 04:36:58

Jason McLemore

54

GENERAL INFORMATION:

Formation: D-B-F

Deviated: No Whipstock 0.00 ft (KB) Test Type: Conventional Bottom Hole (Initial) Time Tool Opened: 06:26:28 Tester:

Time Test Ended: 12:12:43 Unit No:

3335.00 ft (KB) To 3372.00 ft (KB) (TVD) interval: Reference Bevations: 2012.00 ft (KB)

Total Depth: 3372.00 ft (KB) (TVD) 2004.00 ft (OF)

8.00 ft Hole Diameter: 7.80 inchesHole Condition: Good KB to GR/CF:

Serial #: 8366

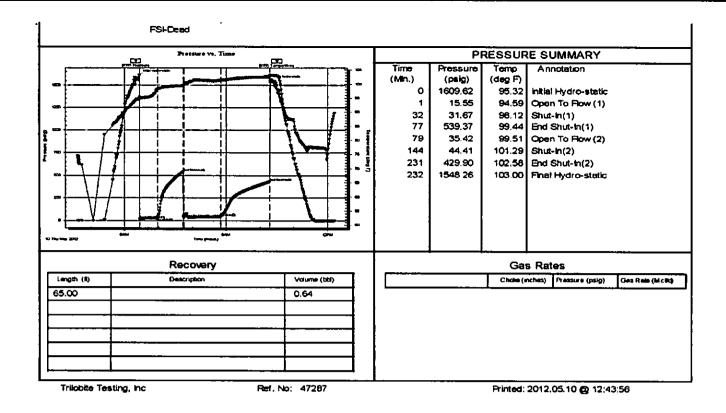
inskie 3339.00 ft (KB)

Press@RunDepth: 44.41 psig 🙋 8000.00 psig Capacity: Start Date: 2012.05.10 End Date: 2012.05.10 Last Calib.: 2012.05 10 Start Time: 04:37:00 End Time: 12:12:43 Time On Etm: 2012.05.10 @ 06:26:13

Time Off Btm: 2012.05.10 @ 10:17:43

TEST COMMENT: IFF-Weak Blow, Built to 2-1/2"

ISI-Dead FFF-Weak Blow , Bulltto 3"



DST #3 CONGLOMERATE



DRILL STEM TEST REPORT

Mustang Energy Corporation

PO Box 1121

Hays, KS. 67601

ATTN: Jeff Lawler

6-16s-18w-Rush

Werth #1

Job Ticket: 47289

DST#: 3

Test Start: 2012.05.11 @ 17:58:31

GENERAL INFORMATION:

Formation:

Deviated: No Time Tool Opened: 19:45:31 Time Test Ended: 22:26:31

Whipstock

0.00 ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Jason McLemore

Unit No:

interval:

3520.00 ft (KB) To 3600.00 ft (KB) (TVD)

Total Depth:

3600.00 ft (KB) (TVD)

Hole Dameter:

7.80 InchesHole Condition: Good

Reference Bevations:

2012.00 ft (KB)

2004 00 ft (CF)

KB to GR/CF:

8.00 ft

Serial #: 8366 Press@RunDepth.

47.61 psig 🙆

3587.00 ft (KB)

Capacity.

8000 00 psig

Start Date: Start Time: 2012.05,11 17:58:33 End Date: End Time:

2012.05.11 22:26:31 Last Callb.: Time On Btm:

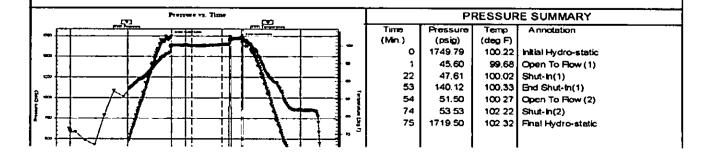
2012.05 11 2012.05.11 @ 19:45:16

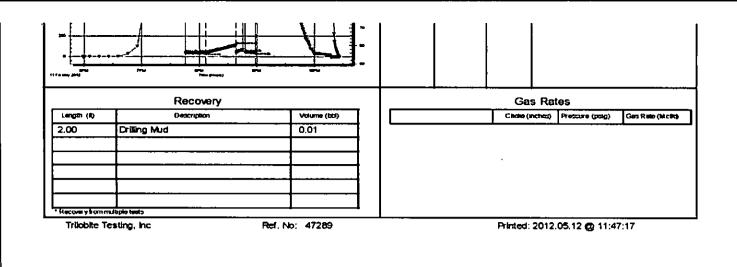
Time Off Btm:

2012.05.11 @ 20;59:31

TEST COMMENT: IFF-Weak Surface Blow, Dead in 10 Min.

FFP-Dead, Flush Tool, DeadAfter Surge, Pull Tool





LKC #4 ARBUCKLE



DRILL STEM TEST REPORT

Mustang Energy Corporation

6-16s-18w-Rush

PO Box 1121 Hays, KS. 67601

Job Ticket: 47290

Werth #1

DST#: 4

ATTN: Jeff Lawler

Test Start: 2012.05.12 @ 12:05:12

GENERAL INFORMATION:

Formation:

Whipstock Deviated: No Time Tool Opened: 13:29:42

0.00 ft (KB)

Tester:

Test Type: Conventional Straddle (Reset) Jason McLemore

Unit No: 54

Time Test Ended: 16:39:57 Interval:

3604.00 ft (KB) To 3619.00 ft (KB) (TVD)

Total Depth: Hole Dameter: 3619.00 ft (KB) (TVD)

7.80 InchesHole Condition: Good

Reference Bevations:

2012.00 ft (KB) 2004.00 ft (CF)

KB to GRYCP:

8.00 ft

Serial #: 8366 ins ide

Press@RunDepth:

17.05 psig 👩

3605.00 ft (KB)

2012.05.12

Capacity:

8000.00 psig

Start Date:

2012.05.12

End Date:

Lest Calib.:

12:05:14

⊖nd Time:

2012.05 12

Start Time:

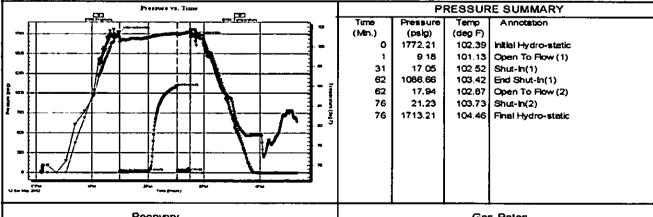
16:39:57

Time On Btm: Time Off Btm: 2012.05.12 @ 13:29:27 2012.05.12 ② 14:45:12

TEST COMMENT: FF-Weak Surface Blow

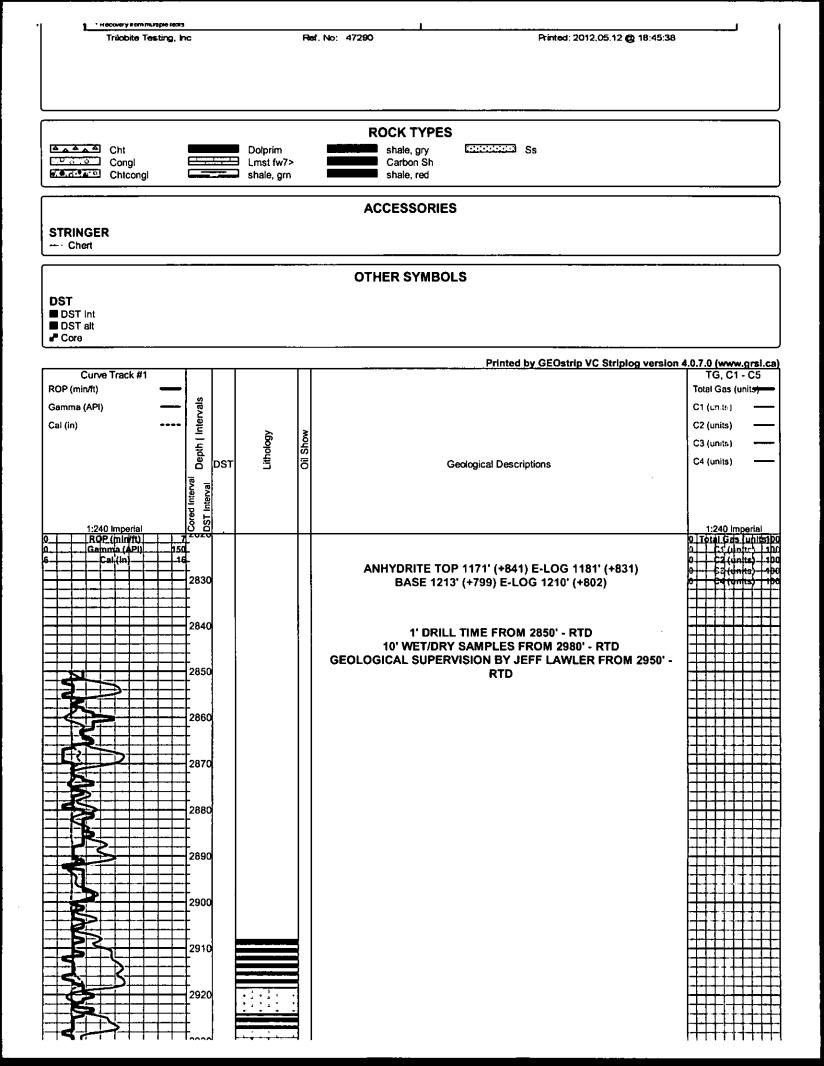
ISI-Dead

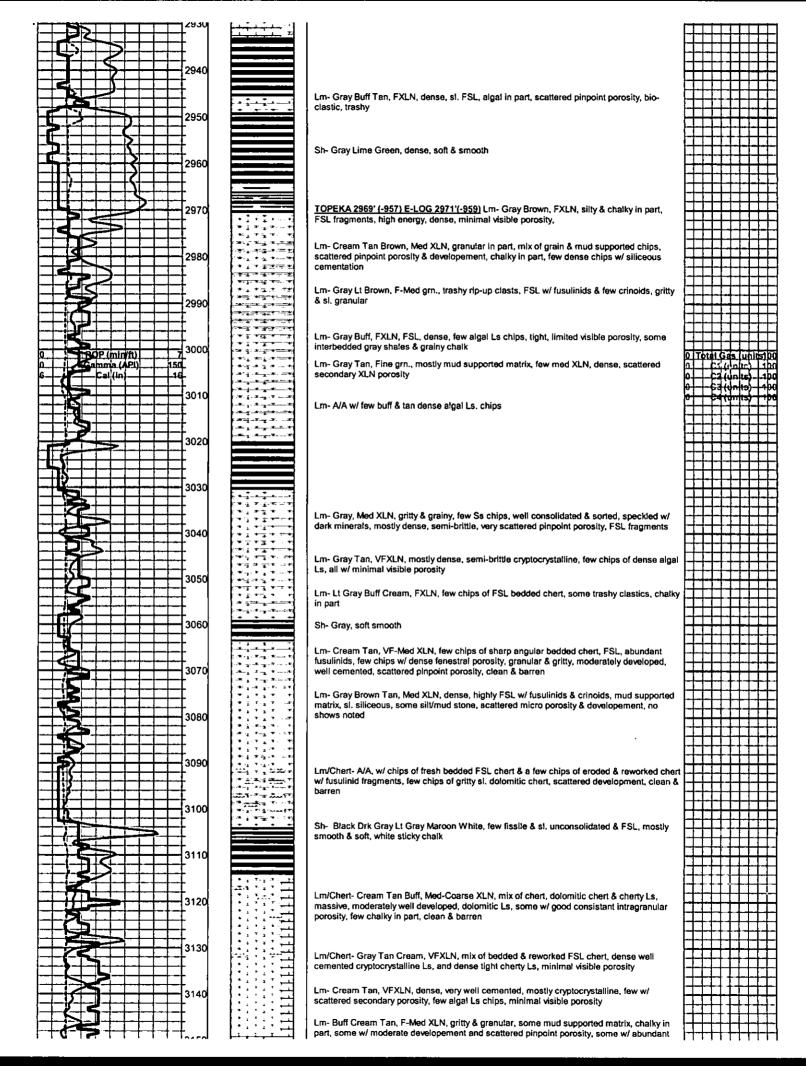
FFF-Dead, Pull Tool

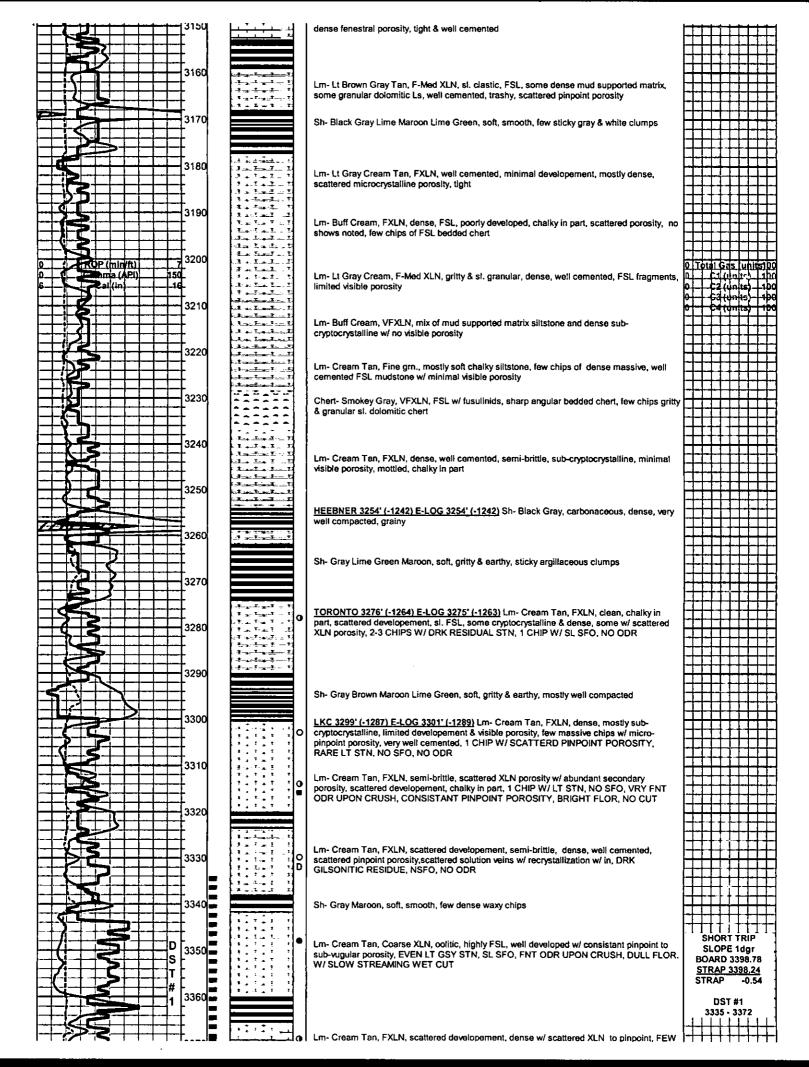


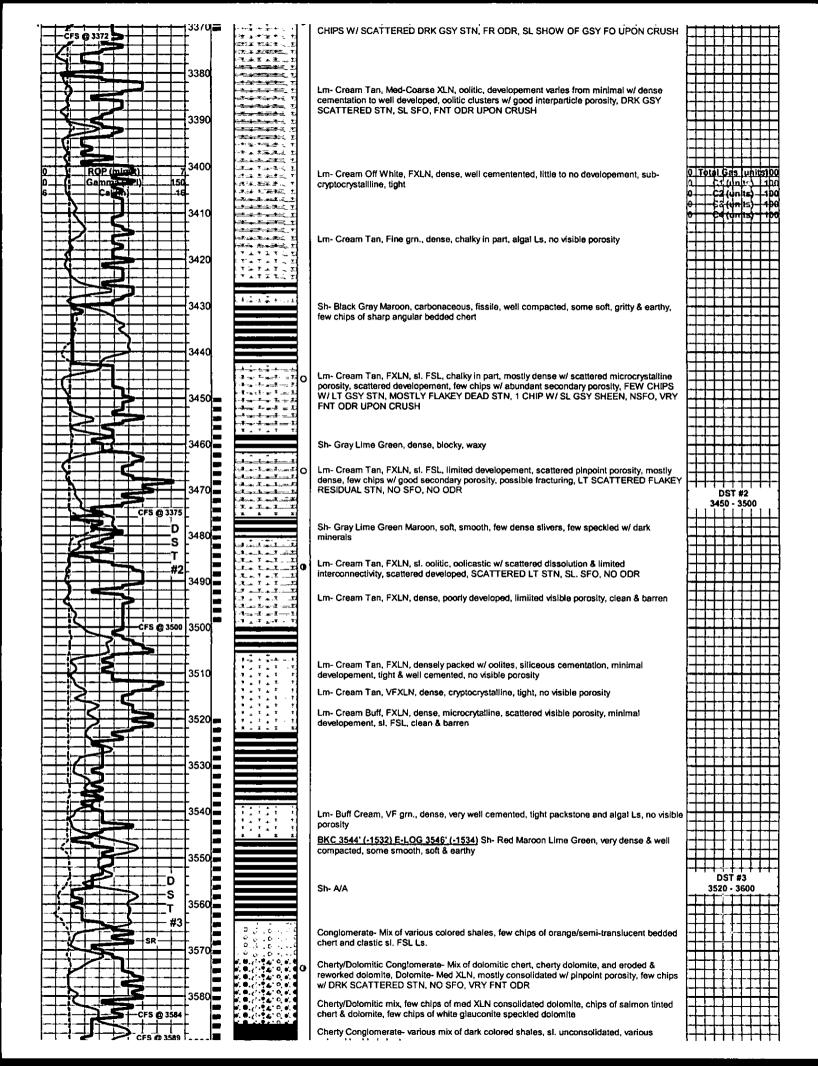
length (fi)	Description	Volume (bb						
3.00	Drilling Mud	0.01						
	<u> </u>							
	_							
	· - 							
		 						

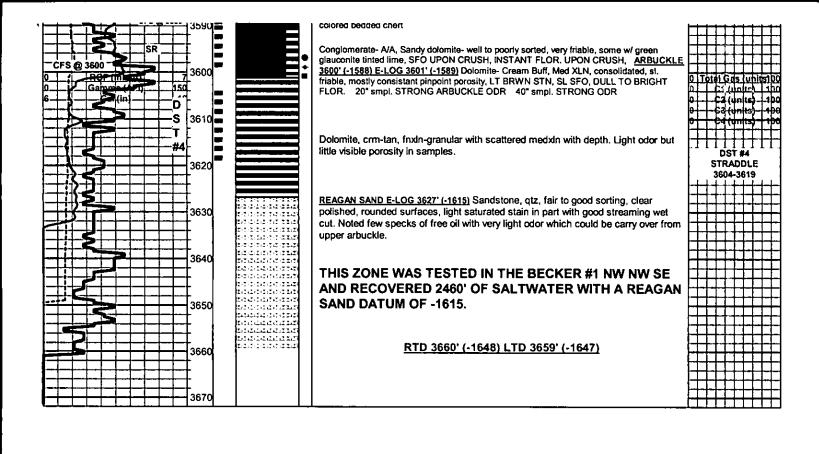
Gas Rai	62	
Chain (inches)	Pressure (psig)	Cars Rate (Mc#d)











QUALITY OILWELL CEMENTING, INC.

Home Office P.O. Box 32 Russell, KS 67665 Phone 785-483-2025 Cell 785-324-1041 On Location Finish State County Twp. Range BOPM Well No 4 L Owner Contractor To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. 36601 T.D. Hole Size Charge To Depth Csg Depth Street Tbg. Size State Depth City Tool The above was done to satisfaction and supervision of owner agent or contractor. Shoe Joint Cement Left in Csg. Cement Amount Ordered Displace 4713 Meas Line **EQUIPMENT** No. Cementer Common **Pumptrk** |Driver [] Poz. Mix Bulktrk Driver (Driver No. Gel. JOB SERVICES & REMARKS Calcium Hulis Remarks: Salt Rat Hole Flowseal Mouse Hole Kol-Seal Centralizers Mud CLR 48 Baskets CFL-117 or CD110 CAF 38 D/V or Port Collar Sand Handling Miléage FLOAT EQUIPMENT **Guide Shoe** Centralizer **Baskets** AFU inserts Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount

Total Charge

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025 Cell 785-324-1041 Home Office P.O. Box 32 Russell, KS 67665

No. 347

Cell 785-324-1041					<u>'</u>	T	· · · · · · · · · · · · · · · · · · ·	,						
:	Sec.	Twp.	Range	1	County ·	State	On Location	Finish						
Date 5-6+2	6	16	18	Rus		K.5	<u>L, </u>	10.30m						
Lease Werth	v	Vell No.	<u> </u>	Location	tion Hays & CO. Line 21/4 w Sinto									
Contractor D'Score	/#4	<u>/</u>		<u> </u>	Owner									
Type Job Surface	•				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish									
Hole Size 12:14		T.D.	8.5		1	nd helper to assist ow	ner or contractor to d	o work as listed.						
Csg. 85/8		Depth	1185		Charge M	Ustancy Enorgy	/							
Tbg. Size		Depth			Street									
Tool	كلاح	Depth			City State									
Cement Left in Csg.	200	Shoe J	loint 🚁 🗸	5			and supervision of owne	1 1 .						
Meas Line		Displac	· 2	32	Cement Amount Ordered 450 com 3 /occ 2 /occ									
	EQUIP	MENT	73/2	34	Y4#F0									
Pumptrk 1.5 No. Ceme		2'3			Common 4	150								
Bulktrk No. Driver		y			Poz. Mix									
Bulktrk /2 No. Driver	Lldy				Gel. 9									
JOB SE	RVICES	& REMA	ARKS		Calcium /6									
Remarks:					Hulls									
Rat Hole					Salt									
Mouse Hole				·	Flowseal // 2.47									
Centralizers					Kol-Seal									
Baskets					Mud CLR 48									
D/V or Port Collar		~ ~~	<i></i>		GFL-117 or CD110 CAF 38									
85/Ron botto	n. Es	t	wation	1	Sand									
Mix 450SCY D	511/19	e Pl	ia-		Handling 10.5									
			<u>ی</u>		Mileage									
Cement (/	slat	10!			FLOAT EQUIP	MENT							
		·			Guide Shoe	,								
Vloa land	(d)	7	1004.		Centralizer 83/8									
					Baskets Baffle Plate									
Shot in @	70	沙 井			AFU Inserts									
					Float Shoe									
				Latch Down										
	•													
·														
				-, -,	Pumptrk Ch	narge / marco	Sinface							
					Mileage	15	2000							
	•						Tax	(
					1		Discoun	t						
X Signature	Tin				1		Total Charge							
Citingral MAN SAN	WIN-		·-		_			·						