

#### Kansas Corporation Commission Oil & Gas Conservation Division

#### 1075105

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip: +	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
☐ New Well ☐ Re-Entry ☐ Workover	Total Depth: Plug Back Total Depth:
□ Oil □ WSW □ SWD □ SIOW	Amount of Surface Pipe Set and Cemented at: Feet
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW	Multiple Stage Cementing Collar Used? Yes No
☐ OG ☐ GSW ☐ Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cmt
If Workover/Re-entry: Old Well Info as follows:	·
Operator:	Drilling Fluid Management Plan
Well Name:	(Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content:ppm Fluid volume: bbls
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD	Dewatering method used:
Conv. to GSW	
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec Twp S. R
ENHR Permit #:	County: Permit #:
GSW Permit #:	County remit #
Spud Date or Date Reached TD Completion Date or Recompletion Date 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 II III Approved by: Date:			

Side Two



Operator Name:			Lease Name	e:			_ Well #:	
Sec Twp	S. R	East West	County:					
time tool open and clos	sed, flowing and shut s if gas to surface tes	I base of formations per in pressures, whether set, along with final chart well site report.	shut-in pressure	reached s	static level,	hydrostatic press	sures, bottom h	ole temperature, fl
Orill Stem Tests Taken (Attach Additional S		Yes No		Log	Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolo		☐ Yes ☐ No	N	lame			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy)	I Electronically	Yes No Yes No Yes No						
List All E. Logs Run:			RECORD [		Used			
	Size Hole	Report all strings set- Size Casing	-conductor, surface Weight		ate, producti Setting	on, etc.  Type of	# Sacks	Type and Percen
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.		Depth	Cement	Used	Additives
		ADDITIONA	L OFMENTING (	00115575	DECORD			
		ADDITIONA	L CEMENTING / :	SQUEEZE	RECORD			
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	d		Type and F	Percent Additives	
Shots Per Foot PERFORATION RECORD - Bridge Plu Specify Footage of Each Interval Pe						cture, Shot, Cement mount and Kind of Ma	•	d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Line	r Run:	Yes No		
Date of First, Resumed I	Production, SWD or ENI	HR. Producing Me	thod:	Gas Li	ift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf	Water	В	bls. (	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS: METHOD C				MPLETION: ually Comp omit ACO-5)	. Cor	nmingled mit ACO-4)	PRODUCTIO	ON INTERVAL:
(If vented, Sub	mit ACO-18.)	Other (Specify) _						

Form	ACO1 - Well Completion		
Operator	owning-Nelson Oil Co Inc		
Well Name	Melvin Jennings 1-4		
Doc ID	075105		

### All Electric Logs Run

Micro	
Sonic	
Dual Induction	
Compendsyrf Porosity	

Form	ACO1 - Well Completion		
Operator	Oowning-Nelson Oil Co Inc		
Well Name	Melvin Jennings 1-4		
Doc ID	1075105		

### Tops

Name	Тор	Datum
Top Anhydrite	1421'	+817
Base Anhydrite	1449'	+789
Heebner	3742'	-1504
LKC	3788'	-1550
ВКС	4085'	-1847
Fort Scott	4263'	-2025
Cherokee Shale	4276'	-2038
Mississippi	4345'	-2107
Gilmore City	4415'	-2177



#### DRILL STEM TEST REPORT

Downing-Nelson Oil Co Inc

4-20s-20w-Pawnee

Po Box 1019 Hays Ks 67601 Melvin Jennings 1-4

Job Ticket: 46391

ATTN: Ron Nelson Test Start: 2012

Test Start: 2012.02.07 @ 17:05:38

DST#: 1

#### GENERAL INFORMATION:

Formation: Miss

Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Initial)

Time Tool Opened: 19:02:08

Tester: Jeff Brown
Time Test Ended: 00:45:38

Unit No: 44

Interval: 4348.00 ft (KB) To 4359.00 ft (KB) (TVD) Reference Elevations: 2139.00 ft (KB)

Total Depth: 4457.00 ft (KB) (TVD) 2131.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 8321 Inside

Press@RunDepth: 145.85 psig @ 4350.00 ft (KB) Capacity: 8000.00 psig

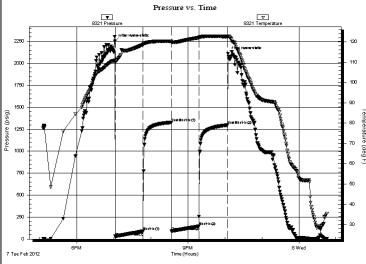
 Start Date:
 2012.02.07
 End Date:
 2012.02.08
 Last Calib.:
 2012.02.08

 Start Time:
 17:05:39
 End Time:
 00:45:38
 Time On Btm:
 2012.02.07 @ 19:01:38

 Time Off Btm:
 2012.02.07 @ 22:05:08

TEST COMMENT: IFP-Good blow BOB in 32 1/2 min

ISI-Dead no blow back FFP-Good blow BOb in 38 min FSI-Dead no blow back



	FIXESSUIVE SOMMAN					
Ī	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)			
	0	2248.07	110.81	Initial Hydro-static		
	1	29.09	109.58	Open To Flow (1)		
	46	87.92	118.58	Shut-In(1)		
4	92	1327.44	120.17	End Shut-In(1)		
empe	92	91.51	119.73	Open To Flow (2)		
rature	136	145.85	122.01	Shut-In(2)		
Temperature (deg F)	183	1296.88	122.54	End Shut-In(2)		
J	184	2109.71	122.75	Final Hydro-static		

Cac Datas

PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)
243.00	MW 10%M90%W	3.13
20.00	WM 20%W80%M	0.28

Oas Ital	.03	
Choko (inchos)	Proceuro (peig)	Gas Pato (Mof/d)

Trilobite Testing, Inc Ref. No: 46391 Printed: 2012.02.08 @ 08:36:55



#### DRILL STEM TEST REPORT

Downing-Nelson Oil Co Inc

4-20s-20w-Pawnee

Po Box 1019 Hays Ks 67601 Melvin Jennings 1-4

Job Ticket: 46391

ATTN: Ron Nelson

Test Start: 2012.02.07 @ 17:05:38

DST#: 1

#### **GENERAL INFORMATION:**

Formation: Miss

Deviated: Test Type: Conventional Straddle (Initial) No Whipstock: ft (KB)

Time Tool Opened: 19:02:08 Tester: Jeff Brown 44

Time Test Ended: 00:45:38 Unit No:

Interval: 4348.00 ft (KB) To 4359.00 ft (KB) (TVD) Reference Elevations: 2139.00 ft (KB)

Total Depth: 4457.00 ft (KB) (TVD) 2131.00 ft (CF)

7.88 inches Hole Condition: Good KB to GR/CF: Hole Diameter: 8.00 ft

Serial #: 8653 Below (Straddle)

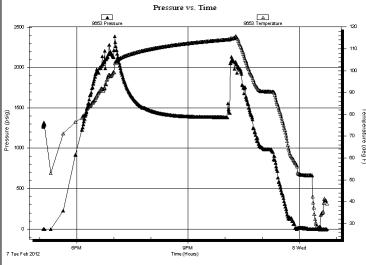
Press@RunDepth: 4364.00 ft (KB) 8000.00 psig psig @ Capacity:

Start Date: 2012.02.07 End Date: 2012.02.08 Last Calib.: 2012.02.08

Start Time: 17:05:46 End Time: Time On Btm: 00:44:15 Time Off Btm:

TEST COMMENT: IFP-Good blow BOB in 32 1/2 min

ISI-Dead no blow back FFP-Good blow BOb in 38 min FSI-Dead no blow back



Р	RESSUF	RE SU	JMMA	RY

	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
Tempera				
Temperature (deg F)				
IJ				

#### Recovery

Length (ft)	Description	Volume (bbl)
243.00	MW 10%M90%W	3.13
20.00	WM 20%W80%M	0.28

#### Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc. Ref. No: 46391 Printed: 2012.02.08 @ 08:36:56



#### DRILL STEM TEST REPORT

**FLUID SUMMARY** 

ppm

Downing-Nelson Oil Co Inc

4-20s-20w-Pawnee

Po Box 1019 Hays Ks 67601 Melvin Jennings 1-4

ATTN: Ron Nelson

Job Ticket: 46391 **DST#:1** 

Test Start: 2012.02.07 @ 17:05:38

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: deg API

Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity:

Viscosity: 60.00 sec/qt Cushion Volume: bbl

Water Loss: 7.99 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 3500.00 ppm Filter Cake: inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
243.00	MW 10%M90%W	3.126
20.00	WM 20% W80% M	0.281

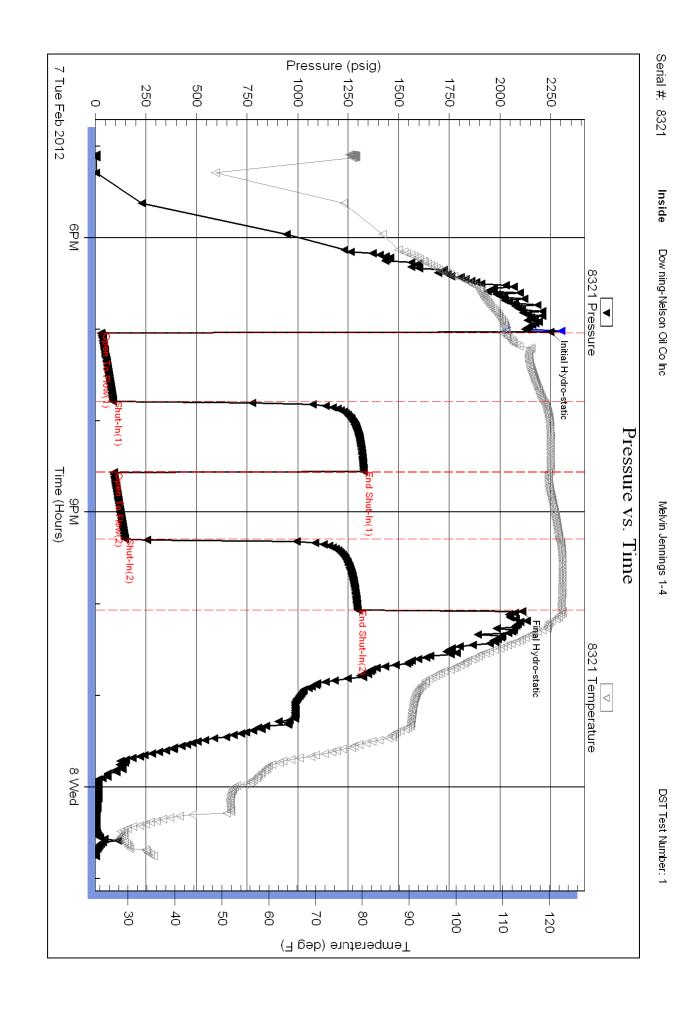
Total Length: 263.00 ft Total Volume: 3.407 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 46391 Printed: 2012.02.08 @ 08:36:56

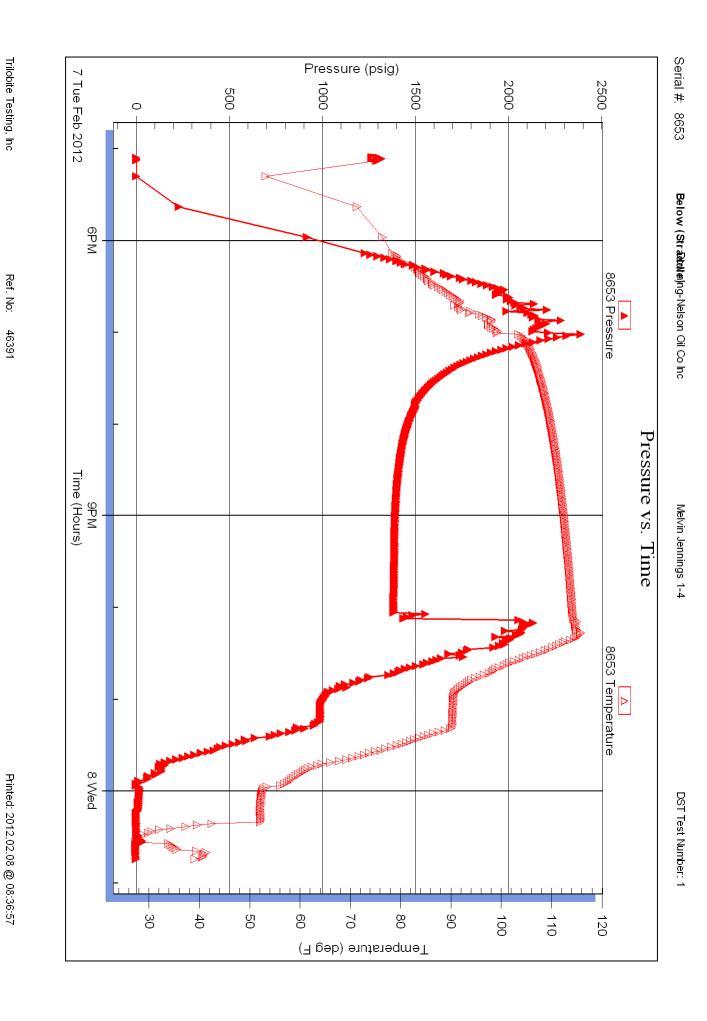


Trilobite Testing, Inc

Ref. No:

46391

Printed: 2012.02.08 @ 08:36:57



Trilobite Testing, Inc

Ref. No:

## ALLIED CEMENTING CO., LLC. 042402

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665		SERVICE POINT:
DATE ( SEC. 4 TWP RANGE 20 CA	ALLED OUT ON LOCA	1 NOOA 1 230 De =
Melvin	1 1 0-	COUNTY STATE
LEASE SKININGS WELL# 1-4 LOCATION ALEXANDE	der Ks 8 Sow	the Bunee KS-
OLD OR (NEW) (Circle one) / equit sout	L' into	
CONTRACTOR V) ISCOVERY RIGHT	OWNER DOWNING -	Nelson Oil Co.
TYPE OF JOB Surface		
HOLE SIZE /2/4 T.D. 52/	CEMENT	200- S AS 1
CASING SIZE 85/8 DEPTH 52/	AMOUNT ORDERED	11/2 3KG (1966 A)
TUBING SIZE DEPTH	3% CC 270 B	e/
DRILL PIPE DEPTH		
TOOL DEPTH	_	
PRES. MAX MINIMUM	COMMON 275	@ 16.25 4.468. Z
MEAS. LINE SHOE JOINT	POZMIX	
CEMENT LEFT IN CSG. 15 PT.	GEL <u>5</u>	@ Z1-3 <u>5</u> 106-2 <u>5</u>
PERFS.		10 @ 58·20 582.5°
DISPLACEMENT	ASC	@
<b>EQUIPMENT</b>		@
PUMBTRUCK CEMENTER (Zrea X		
# 366 HELPER DUSTING		
BULK TRUCK		@
#344/170 DRIVER June (4		@
BULKTRUCK		@
# DRIVER		@
	HANDLING 290	@ 2.25 652.50
	MILEAGE 290 X You	
Pipe ou bottom brest circulation		TOTAL 7085. 50
with Damus Hook up to coment	C	ERVICE
punys gut Mix 215, sks Class A 30/0cc		ERVICE
L9030 and displace with 32, 23 Be	DEPTH OF JOB52	<b>1</b> :
frehungter. Phatru	PUMP TRUCK CHARGE	0-300 //25.00
Yement did circulate	EXTRA FOOTAGE	@
Mag Jown & L'30Am	MILEAGE HUM	80 @ 7.00 560.00
La down	MANIFOLD	@ : .
		80 @ 4.00 320.00
		@
CHARGE TO: Voumma- Nelson Oil Co.		
STREET		TOTAL 2005- 99
CITY		•
CITYSTATEZIP	PLUG & F	LOAT EQUIPMENT
		@
To Allied Cementing Co., LLC.		
You are hereby requested to rent cementing equipment		@

	DAILY PENETRATION	BIT RECORD		901	LL STEM TESTS							TTT	The state of the s			1111	1				TT		THE		T												TTT					7-7
Marc Downing  Consulting Petroleum Geologist 1411 Washington Circle Hays, Ks 67601 Phone: 620-428-1356 (cell) 785-621-2286  GEOLOGIC REPORT LOG		D SIZE WAVE TYPE DEPTH OUT	No.	Interval IFP/Time ISIP/Time FF		ROWER		8						,		1														-								2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	c <u>1</u> 3			
Hays, Ks 67601 LOG Phone: 620-428-1356 (cell) 785-621-2286	Beauty contract of the contrac							SEMAR																														8-435 5-45-4 3 32 1/4 3 3 m	17-129 1-2110 1 26: 1 4 6			
COMPANY Downing-Nelson Oil Co., Inc.							Bolomite	Via																														4344 45-45 45-806 F.F806	FFP: 92- SIP: 132 HP: 2248 Rec: 26 W 243' A 243' A			
WELL Melvin Jennings #1-4							THE S	OIL SHOWS																														18				
FIELD Wildcat			Promoculation (Supplementation)				INAM 5																Contraction of the Contraction o						3	ח זק	The second secon		8 3			121	ť	争。	13-pg			
SEC. 4 TWP. ZO'S RGE. ZOW ELEVATION KB ZZ38	ruel lucesum parameter de la company de la c							S																				Scal		md XI		ndxh,	th' v Fe	41×535	i, A11	mest in str	The seal of	16413 050, 050, 045,	She so	Frank Tat		
COUNTY Pawnee GL 2231			Entraction of the property of					<u>E</u>																				6 b	dxh.	4 4 4	2h ts.	11 ch	at ull	md-o 1:5%.	fr x khox arren	Prx,	Ca, A	2 32 34 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	School A	ms.		1-5
STATE Kansas Samples Saved From 4050 Te: TO	FORMATION INTERVAL	DESCRIPTION OF SHOW	LOG AMALYSIS 8 S W					830																		Secretarion Secre		Fr xt.	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	+62	55 ~	- tom -	15. Sc. Sc.	7 7 5	Start of the start	(A)	1, 3ab	Lane	T. C. C.	++-+	1	2
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COMM: COMP: 2-7-12 Wellsite Geologist Marc Dawning								S)															<u> </u>					Sh.; (5)	3 3 3	5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	35 75	LS:	15: 24:	(3)	15 g g 5 3	3h:	55: 4 4h 5h	Cht.	1 to	\$ × 6		
SURF: 454" @ 520 PROD: None OIL								THOLOGY																				1 1 1	,				<u> -</u>	-     -   -   -						0000		
TOTAL DEPTH LOG 4457  TOTAL DEPTH LOG 4457  Source								espe plan plan																														27t-1				
FORMATION TOPS AND STRUCTURAL POSITION  FORMATION SAMPLE ELECTRIC LOG SUB-SEA STRUCTURAL POSITION						terror and the second s		8		3650		2010		010		000		0		2900		0		1900		00		100		2	,	r	700	0		300		Q		0 97	2	
Top Anhydrite 1422 1421 +817 +12 Base Anhydrite 1450 1449 +749 NA			REM	WRKS AND RECOMMENDATIONS																																		, O	0 0		0	
														(FS)														Ē							+ 266) 266) 146)			<b>1</b> 5	5 5	2	B	
Fort Scatt 4264 4263 -2076 142			The state of the s											21-15 21-15	\$1.5 \$1.5	80												5-184							Scot 11-20 31-20			Z10		Wre (-217)		
CHEROKEE SH. 4274 4274 -2034 +45 Miss 4346 -2107 +58 Gilmore City 4416 -2177 Not Reach	3						直直 3							3745	a a a	Š												8kc 40k							Fort 426.4			W.5.		G:134	3	6122
							Will and the second	D F																																		4516
REFERENCE WELL FOR STRUCTURE A Sufficient				anno en como en entre en como en transcer que en que en como en entre en procesa de como entre en entre en ent En entre en en entre entre en			2	\$ 8-H										A			100	Λ <i>Μ</i> Υ	~~~~	M-1	~^ ~~\	1 my			~~~ <u> </u>		$\sim$ $\sim$ $\sim$	\	AM	A.~~						MA		ħ
REFERENCE WELL FOR STRUCTURE O. A. Suttan Miller #1 C-54-HU Sec. 4-205-200							Ĉ			-1	$\mathcal{M}_{\mathcal{M}}$	Mund	mm		/W Lm		Trum	~~~~	W W			<b>V</b>				V	V (	V	W. V.	/~~~	7/	· · · · · · · · · · · · · · · · · · ·	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	N	MW P	$\sim \sim \sim$	Jam		~~~~~			Ė
			Access to the second se			9192		0177 201																			2								•					•		

# ALLIED CEMENTING CO., LLC. 042428 Federal Tax I.D.# 20-5975804

KEMIT TO P.O. BOX 31

To Allied Cementing Co., LLC.

#### SERVICE POINT:

RUSS	ELL, KA	MSAS 676	65		•	Great Be	nd							
DATE 2-8-12	SEC.	TWP. えの	RANGE 20	CALLED OUT	ON LOCATION	JOB START 730 am	JOB FINISH							
Melvin LEASE Jennings	WELL#	1 – U	S S	c c a: 1	1 -	COUNTY	STATE							
	<del></del>	1-7	LOCATION LACE	S of Alexander	ΔE,	Pawne	KS							
OLD OR NEW C	rcle one)		Sinto		·									
CONTRACTOR 1				OWNER Day	uning - Nelson	<u> </u>								
TYPE OF JOB R	otary				<u>د</u>									
		T.D	527 4456	CEMENT			4							
CASING SIZE 8	2/8	DE	<u>PTH 5ス1</u>	_ AMOUNT OR	DERED 220		<u></u>							
TUBING SIZE		<u>DE</u>	PTH	<u>_a</u>	60/40	4% 90	1							
DRILL PIPE 4	<u>/2</u>	DE	PTH 1470			0								
TOOL		DE	PTH				***							
PRES. MAX		MI	NIMUM	COMMON )	35	@ 14.25	2.193.7							
MEAS. LINE		·-	OE JOINT	POZMIX	90	@ 81.50	765.00							
CEMENT LEFT IN	CSG.			GEL GEL	5		106.25							
PERFS.		·····		CHLORIDE _	<del>.</del>	_@_ <del></del>	100-							
DISPLACEMENT	Fresh	ml = 10	` w. l	_ ASC										
				ASC		_@								
	EQU	JIPMENT				_ @								
<u></u>						_ @								
PUMP TRUCK	CEMENT	ER Shan	e Konzem			_ @								
		Bob				_ @	- <u> </u>							
BULK TRUCK		<del></del>				_ @								
# 482/188	DRIVER	Karin	<b>√</b> .			_ @								
BULK TRUCK	DATE LIC	100	· · · · · · · · · · · · · · · · · ·			_ @								
	DRIVER					_ @								
1	DICITER			<ul><li>HANDLING_</li></ul>	230	@2.25	517.50							
				MILEAGE 2	30 X 40		1012.00							
	RE	MARKS:				TOTAL	4.574.							
Arrived on Loca	tions, e	hecked fo	r Safety Hazard	<u>.</u>										
Rigged up . 15	Pluo m	nix 8 bb	bbls, 4th Ping		SERVI	CE.	•							
mix & bbls 3	TI PING	mix 8	bbls 4th Pine			CL								
mix 3,19 bb	15 , Rat	hole m	ix 5 bbls, mons	E DEPTH OF JO	R NUTO									
Hole mix 3	हिंदि है	Ric don	n and leave				- 00							
location		<del>'')                                   </del>		EXTRA FOOT	CHARGE		3.2							
:		<del>-</del>				_@								
				MILEAGE		@ <u>7.00</u>	560.00							
				<ul><li>MANIFOLD _</li></ul>		_ @	= 40							
				<u></u>	vm 80	@ <u>\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \</u>	320.00							
						_ @								
CHARGE TO: 10c	maine	g = Nel:	son			•								
STREET	•	,		<u> </u>		TOTAL	2130.00							
CITY	· CT	'ATE	ZIP											
	\$1 <i>i</i>	ALE		PLUG & FLOAT EQUIPMENT										
				<b>\</b>										
					Ne	@ 92.00	92.00							
						_								