

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

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 # 19752  
Name: Primexx Operating Corporation  
Address 1: Two Energy Square  
Address 2: 4849 Greenville Ave., Ste. 1600  
City: Dallas State: Texas Zip: 75206 + \_\_\_\_\_  
Contact Person: Andrea Molinar  
Phone: ( 214 ) 369-5909  
CONTRACTOR: License # 33132  
Name: Dan darling Drilling  
Wellsite Geologist: \_\_\_\_\_  
Purchaser: Conoco Phillips

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SLOW
- Gas     D&A     ENHR     SIGW
- OG     GSW     Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW

Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>7/20/2011</u>	<u>7/30/2011</u>	<u>8/25/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 077-21742-00-00

Spot Description: \_\_\_\_\_  
\_\_\_\_\_ SE SW Sec. 3 Twp. 35 S. R. 5  East  West  
660 Feet from  North /  South Line of Section  
2,020 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Harper

Lease Name: Kolarik Well #: 3-1

Field Name: Wildcat

Producing Formation: Mississippi

Elevation: Ground: 1256 Kelly Bushing: 15

Total Depth: 5300 Plug Back Total Depth: 5249

Amount of Surface Pipe Set and Cemented at: 226 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**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.

Signature: Andrea Molinar

Title: Regulatory Analyst Date: 11/30/2011

**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: Dlg Date: 12/6/11

Operator Name: Primexx Operating Corporation Lease Name: Kolarik Well #: 3-1  
 Sec. 3 Twp. 35 S. R. 5  East  West County: Harper

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: Density Neutron Log Micro Resistivity Log Array Induction Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border: none;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Mississippi</td> <td>4690'</td> <td>1256'</td> </tr> </table>	Name	Top	Datum	Mississippi	4690'	1256'
Name	Top	Datum					
Mississippi	4690'	1256'					

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
Surface	12 1/4	8 5/8	24#	226'	Class A	300	CC 2%
Production	7 7/8	5 1/2	15.5#	5293'	Class H	225	No Fill

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
2 SPF	5044-5072	41 bbls of 15% NeFe Acid 61 bbls of 2% KCL Water	

TUBING RECORD: Size: <u>2 7/8</u> Set At: <u>5023'</u> Packer At: <u>4984'</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>9/23/2011</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>20</u>	Gas Mcf <u>0</u> Water Bbls. <u>304</u> Gas-Oil Ratio <u>-</u> Gravity <u>40</u>

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 checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>5044-5072</u>
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SUPERIOR WELL SERVICES

WEST-AUG-10a-SALES & SERVICE TICKET

TICKET

41- 00000

DATE

7/20/2011

PAGE

1 of 1

CHARGE TO

PRIMEXX OPERATING

LEASE NAME OR PROJECT

KOLARIC #3-1

ADDRESS

GET FROM CUSTOMER

STATE

KS

COUNTY

HARPER

ADDRESS

GET FROM CUSTOMER

FIELD

SEC. 3-35S-5W

WELL PERMIT NUMBER

OWNER

SERVICE ENGINEER

DATE / PURCHASE ORDER / CONTRACT / REFERENCE

GET FROM CUSTOMER

JOB TYPE

8 5/8 SURFACE

ON LOCATION

TIME

DATE

7/20/2011

COMPLETED

TIME

DATE

SIGNATURE

X

NAME (PLEASE PRINT)

JERRY OGLE

I have read, understood and agreed to the terms and conditions printed on the reverse side hereof which include, but are not limited to, LIMITED WARRANTY, INDEMNITY, RELEASE and PAYMENT and represent that I have full power and authority to execute this agreement.

LOC	ITEM REFERENCE	QTY	DESCRIPTION	DISC ACCT	UNIT PRICE	AMOUNT
-	20-200-0001	300	Mileage DOT Units - Cmt - per unit, per mile, one way	69.00	7.60	2,280.00
-	20-200-0002	150	Mileage non-DOT Units -Cmt - per unit, per job	69.00	4.30	645.00
-	20-220-0003	1	Depth Pumped 0' to 300' - first 4 hours, per unit	69.00	1,350.00	1,350.00
-	20-299-0008	1	AccuDat Recording System- each, per job	69.00	1,230.00	1,230.00
-	20-299-0010	1	High Energy Mix System (HEMS) - each, per job	69.00	746.00	746.00
-	20-299-0007	1	Plug Container HP or Double - each, per job	69.00	710.00	710.00
-	50-760-0085	1	Rubber Plug Top 8-5/8 - each	69.00	235.00	235.00
-	25-315-0020	5	No Foam 2 - per gallon	69.00	141.00	705.00
-	20-200-0008	45,000	Bulk Cement Delivery - per sack, per one way mile	69.00	0.18	8,100.00
-	20-215-0001	300	Bulk Blending Service - per sack	69.00	3.20	960.00
-	25-305-1000	300	Cement-Standard - per sack	69.00	38.89	11,667.00
-	25-300-0002	564	Calcium Chloride (CaCl2) - per pound	69.00	1.89	1,065.96
-	25-335-0001	71	Super Flake - per pound	69.00	6.40	454.40
-	20-220-1000	-	Depth Add Hrs - Stand-by - per unit, per hour	-	514.00	-
-	20-200-0020	-	Delivery Additional Hours - Cmt - per unit, per hour	-	196.00	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	50-740-0086	1	Guide Shoe 8-5/8 - each	45.00	387.00	387.00
-	50-745-0086	1	Insert Float Valve 8-5/8 - each	45.00	387.00	387.00
-	50-725-0862	3	Centralizer 8-5/8 X 12 - each	45.00	164.00	492.00
-	50-750-0001	1	Thread Lock - each	45.00	153.00	153.00
-	50-736-0609	1	Auto Fill Unit Float Equip - 6-5/8 to 9-5/8 - each	45.00	105.00	105.00
-	-	-	-	-	-	-
-	-	-	-	-	-	-

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Continuation Page \$

CUSTOMER OR AGENT SIGNATURE / COMMENTS	Subtotal	\$	31,672.36
X	Special Discount	0.00%	\$ -
	Line Item Discounts		\$ (21,488.17)
	Special Allowance		\$ -
Receipt: The customer or customer's agent acknowledges that the equipment, materials and services were received as listed on this field ticket.	Subtotal	\$	10,184.19
	Fuel Surcharges	2.50%	\$ 254.60
	<b>AMOUNT DUE ==&gt;</b>	<b>\$</b>	<b>10,438.80</b>

Unless satisfactory credit terms have been established prior to services payment in advance may be required. All invoices rendered for services performed by Superior Well Services shall be paid as indicated on the invoice within thirty days (30) from date of receipt. If not paid within thirty (30) days the unpaid amount is subject to interest at one and one half percent (1 1/2%) per month (eighteen percent per annum). All discounts indicated on the invoice are based upon payment within the invoice payment term and are subject to being cancelled by Superior Well Services if not paid within terms. If it should be necessary to employ an attorney to collect the amount due, you will be held liable for attorneys' fees and collection costs. Superior Well Services, price book is incorporated herein by reference, which also contains all invoice payment terms.

**Cement Report**

**Client Information**

Client Reference	PR
Client	Primexx Operating
Representative	Jerry Ogle

**Lease/Project/Well Information**

Job Type	Casing Cement Job - 8 5/8
Lease or Project	Kolarick
Lease Number	3-1
Physical Location	4-35S-5W
County	KIOWA
State	KS

**Service Center Information**

Service Center	Clinton
Location Code	41
SWSI Entity	Superior Well Services
Location Address	22096 Hwy 73 West
City State Zip	Clinton OK 73601
Phone	580-323-0058

**Pre-Job Information**

**Well Information**

Casing Size	8 5/8
Casing Weight	24
Casing Connection	stc 8 round
Casing I.D.	
Hole Size	12 1/4
Calculated Annular Excess %	100
BHST	85
T.D.	240
Casing Length	226
Shoe Joint	42
Float Collar	183
Calculated T.O.C.	Surface
Previous Casing Depth	
Previous Casing Size	
Previous Casing Weight	
Drill Pipe Size	4.5
Drill Pipe Weight	16.6

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41-000003-00 / Thu, Jul 21, 2011

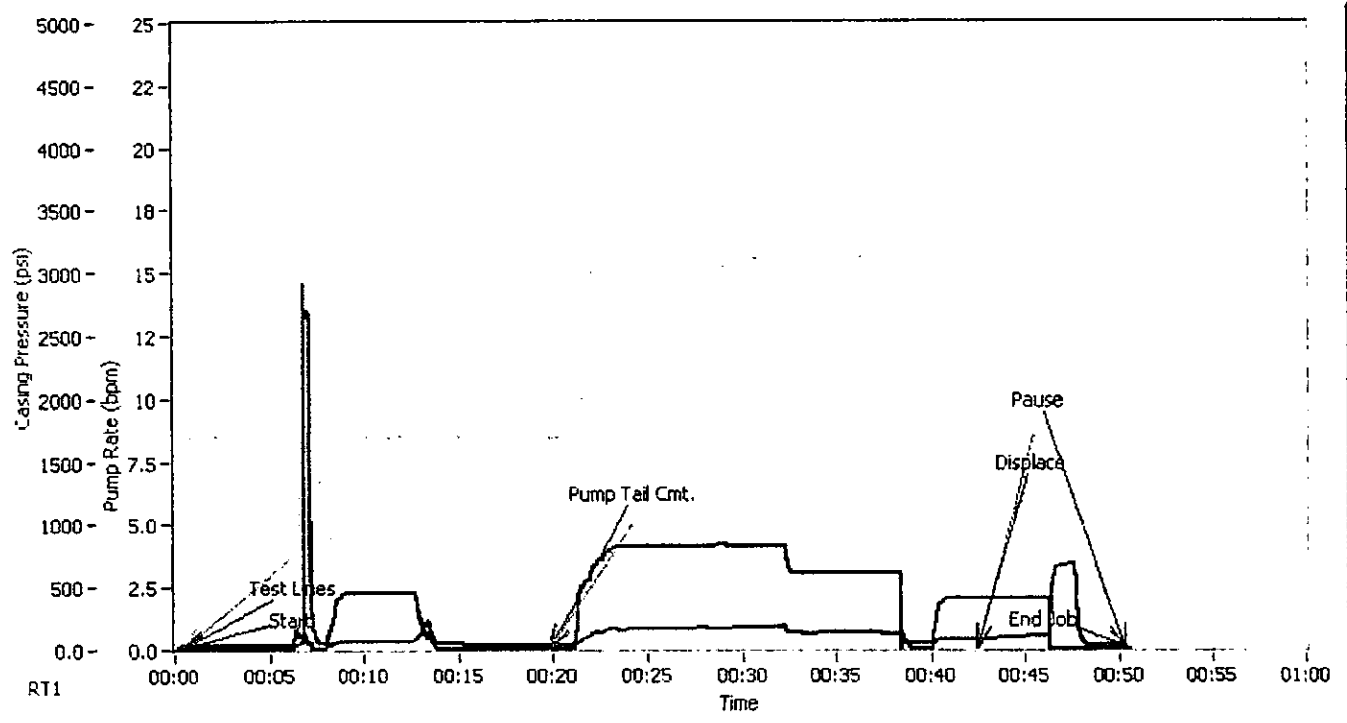
Page 1 of 5

# Call-Out Information

Service Center(s)	Clinton OK
Bulk Location(s)	Same
Pumping Equipment	3002
Auxilliary Equipment	
Time Called Out	1900
Time On Location	0020
Planned Time of Job	AM
Weather Conditions	80

## [1] New Stage

### [1] New Stage - Recorded Time Plot 1

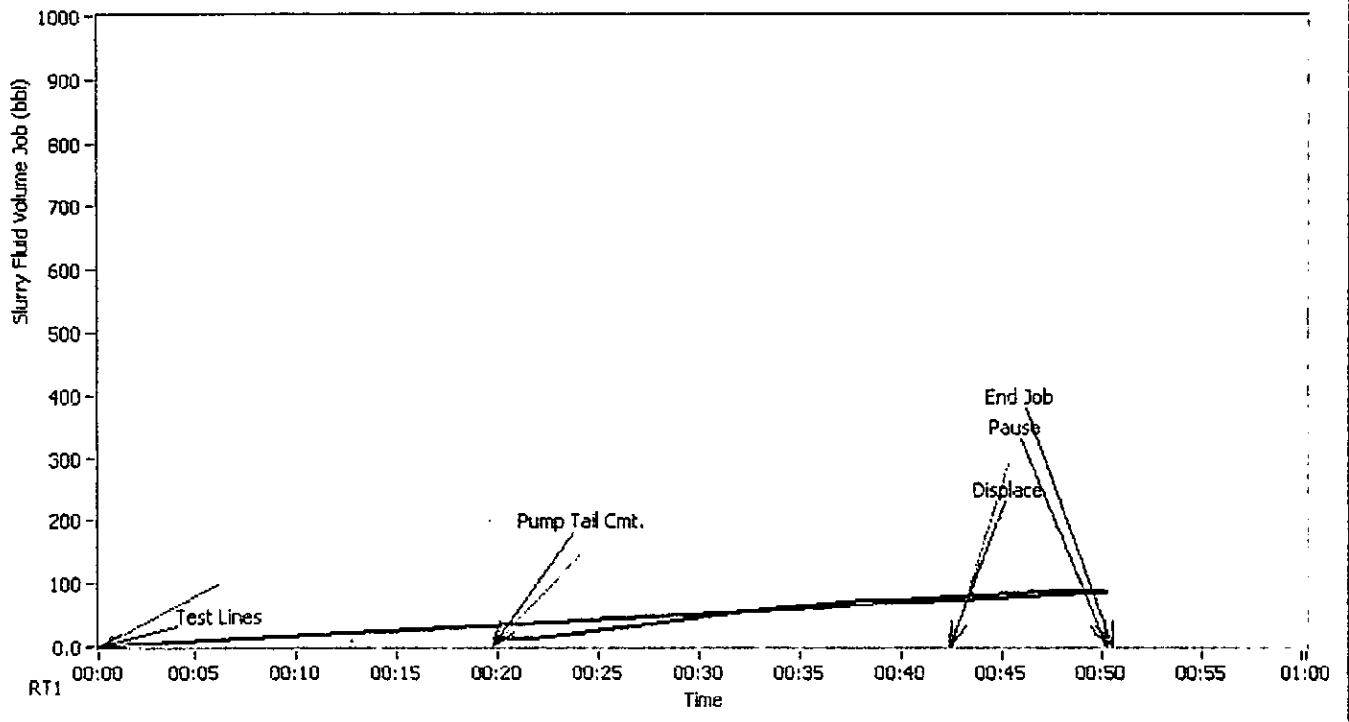


[1] New Stage - Recorded Time Plot 1

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[1] New Stage - Recorded Time Plot 2



[1] New Stage - Recorded Time Plot 2

[1] New Stage - Total(s)

Time	Comment	SLRY VOL STG-bbls	SLRY VOL TOT-bbls
19:00:00			
03:44:54	Test Lines	0.0	0.0
04:04:18	Pump Tail Cmt.	0.0	10.9
04:27:03	Displace	0.0	77.2
04:35:02		7.6	84.8

[1] New Stage - Job Log

Time	Comment	DENSITY-ppg	PUMP RATE- bpm	SLRY VOL STG-bbls	SLRY VOL TOT-bbls	CASING-psi (2)
03:44:53	Test Lines	8.40	0.0	0.0	0.0	32
03:44:54	Test Lines	8.40	0.0	0.0	0.0	31
03:44:54		8.40	0.0	0.0	0.0	31
03:47:51	Test Lines	8.40	0.0	0.0	0.0	29
03:50:51	Test Lines	3.32	0.0	0.0	0.0	29
03:53:51	Test Lines	8.41	2.2	2.6	2.5	57
03:56:51	Test Lines	8.38	2.2	9.1	9.1	59
03:59:52	Test Lines	8.40	0.0	10.9	10.9	36
04:02:52	Test Lines	8.38	0.0	10.9	10.9	35
04:04:18	Pump Tail Cmt.	8.40	0.0	0.0	10.9	35
04:04:19		8.40	0.0	0.0	10.9	35
04:04:22	Pump Tail Cmt.	8.40	0.0	0.0	10.9	35
04:05:52	Pump Tail Cmt.	8.41	2.2	0.1	11.0	45



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Time	Comment	DENSITY-ppg	PUMP RATE- bpm	SLRY VOL STG-bbls	SLRY VOL TOT-bbls	CASING-psi (2)
04:08:52	Pump Tail Cmt.	15.49	4.1	10.8	21.6	153
04:11:52	Pump Tail Cmt.	15.60	4.1	23.0	33.9	164
04:14:53	Pump Tail Cmt.	15.63	4.1	35.3	46.2	174
04:17:53	Pump Tail Cmt.	15.52	3.0	46.5	57.4	122
04:20:53	Pump Tail Cmt.	15.64	3.0	55.4	66.4	125
04:23:53	Pump Tail Cmt.	13.70	0.0	61.8	72.8	39
04:26:54	Pump Tail Cmt.	9.32	2.0	65.9	76.9	71
04:27:02	Displace	9.06	2.0	66.2	77.2	72
04:27:03	Displace	9.05	2.0	0.0	77.2	72
04:27:03		9.05	2.0	0.0	77.2	72
04:29:54	Displace	8.44	2.0	5.7	82.8	99
04:32:54	Displace	8.45	0.0	7.6	84.8	32
04:35:00	End Job	8.41	0.0	7.6	84.8	29

[1] New Stage - Key & Unit(s)

Name	Abbreviation	Units
Casing Pressure	CASING-psi (2)	psi
Pump Rate	PUMP RATE-bpm	bpm
Pump 1 Rate	PUMP1f	bpm
Pump 2 Rate	PUMP2f	bpm
Cement Density	DENSITY-ppg	ppg
Slurry Fluid Volume Stage	SLRY VOL STG-bbls	bbl
Slurry Fluid Volume Job	SLRY VOL TOT-bbls	bbl
Pump 1 Pressure	PUMP1p	psi

## Post-Job Information

### Post Job Summary

Pressure Test	1500
Initial Circulating Rate	2
Initial Circulating Pressure	100
Lead Slurry Sacks	300
Lead Slurry Volume	63
Tail Slurry Sacks	
Tail Slurry Volume	
Bottom Plug Displacement	11.7
Top Plug Displacement	
Cmt Vol Circulated to Surface	30
Average Displacement Rate	2
Final Circulating Rate	2
Final Circulating Pressure	180
Plug Bumped?	YES
Pressure When Plug Bumped	675
Floats Hold?	yes
WEIGHED CEMENT WITH PRESSURIZED MUD SCALES	
THANK YOU Bobby Lewis & Crew	

## Disclaimer



ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND SUPERIOR WELL SERVICES (SUPERIOR) CANNOT AND DOES NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS. SUPERIOR EXCLUDES AND DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, AMONG OTHERS, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, EXCEPT FOR WARRANTY OF TITLE. SUPERIOR DOES NOT GUARANTEE OR WARRANT: (1) THAT ITS CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA SUPPLIED BY SUPERIOR IS ABSOLUTELY ACCURATE DUE TO THE NUMEROUS VARIABLES WITHIN A WELL; (2) OR THE EFFECTIVENESS OF THE PRODUCT OR THE RESULT OF ITS' USE. THE REMEDY OF THE CUSTOMER IN ANY CLAIM OR LITIGATION ARISING FROM THE SALE OR USE OF ITS PRODUCT IS EXPRESSLY LIMITED TO THE REPLACEMENT COST OF THE PRODUCT. SELLER SHALL NOT BE LIABLE TO CUSTOMER OR ANY OTHER PARTY FOR ANY OTHER DAMAGES, INCLUDING BUT NOT LIMITED TO, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR WHATEVER. THESE INTERPRETATIONS ARE ALSO SUBJECT TO OUR CURRENT GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE.

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**Cement Report**

**Client Information**

Client Reference	PR
Client	Primexx Operating
Representative	Jerry Ogle

**Lease/Project/Well Information**

Job Type	Casing Cement Job - 8 5/8
Lease or Project	Kolarick
Lease Number	3-1
Physical Location	4-35S-5W
County	KIOWA
State	KS

**Service Center Information**

Service Center	Clinton
Location Code	41
SWSI Entity	Superior Well Services
Location Address	22096 Hwy 73 West
City State Zip	Clinton OK 73601
Phone	580-323-0058

**Pre-Job Information**

**Well Information**

Casing Size	8 5/8
Casing Weight	24
Casing Connection	stc 8 round
Casing I.D.	
Hole Size	12 1/4
Calculated Annular Excess %	100
BHST	85
T.D.	240
Casing Length	226
Shoe Joint	42
Float Collar	183
Calculated T.O.C.	Surface
Previous Casing Depth	
Previous Casing Size	
Previous Casing Weight	
Drill Pipe Size	4.5
Drill Pipe Weight	16.6

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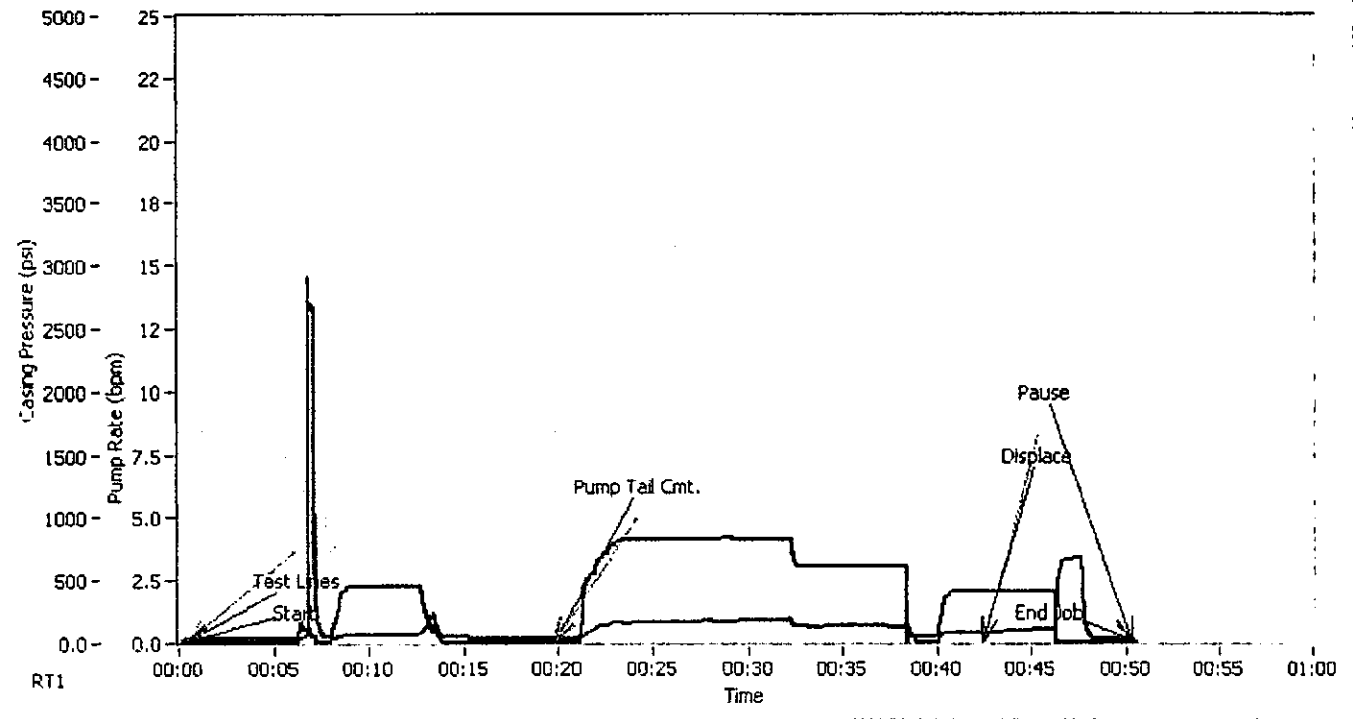
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# Call-Out Information

Service Center(s)	Clinton OK
Bulk Location(s)	Same
Pumping Equipment	3002
Auxilliary Equipment	
Time Called Out	1900
Time On Location	0020
Planned Time of Job	AM
Weather Conditions	80

## [1] New Stage

### [1] New Stage - Recorded Time Plot 1

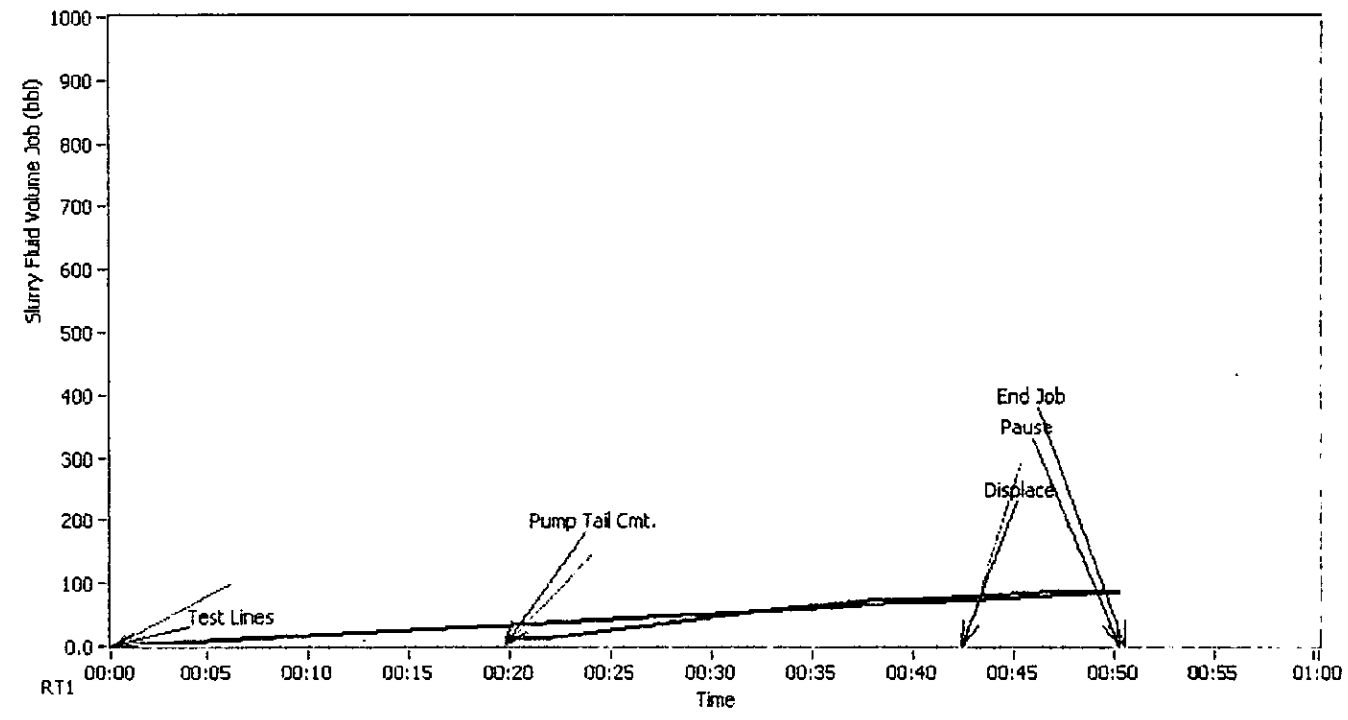


[1] New Stage - Recorded Time Plot 1

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[1] New Stage - Recorded Time Plot 2



[1] New Stage - Recorded Time Plot 2

[1] New Stage - Total(s)

Time	Comment	SLRY VOL STG-bbls	SLRY VOL TOT-bbls
19:00:00			
03:44:54	Test Lines	0.0	0.0
04:04:18	Pump Tail Cmt.	0.0	10.9
04:27:03	Displace	0.0	77.2
04:35:02		7.6	84.8

[1] New Stage - Job Log

Time	Comment	DENSITY-ppg	PUMP RATE- bpm	SLRY VOL STG-bbls	SLRY VOL TOT-bbls	CASING-psi (2)
03:44:53	Test Lines	8.40	0.0	0.0	0.0	32
03:44:54	Test Lines	8.40	0.0	0.0	0.0	31
03:44:54		8.40	0.0	0.0	0.0	31
03:47:51	Test Lines	8.40	0.0	0.0	0.0	29
03:50:51	Test Lines	3.32	0.0	0.0	0.0	29
03:53:51	Test Lines	8.41	2.2	2.6	2.5	57
03:56:51	Test Lines	8.38	2.2	9.1	9.1	59
03:59:52	Test Lines	8.40	0.0	10.9	10.9	36
04:02:52	Test Lines	8.38	0.0	10.9	10.9	35
04:04:18	Pump Tail Cmt.	8.40	0.0	0.0	10.9	35
04:04:19		8.40	0.0	0.0	10.9	35
04:04:22	Pump Tail Cmt.	8.40	0.0	0.0	10.9	35
04:05:52	Pump Tail Cmt.	8.41	2.2	0.1	11.0	45

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DEC 02 2011

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Time	Comment	DENSITY-ppg	PUMP RATE- bpm	SLRY VOL STG-bbls	SLRY VOL TOT-bbls	CASING-psi (2)
04:08:52	Pump Tail Cmt.	15.49	4.1	10.8	21.6	153
04:11:52	Pump Tail Cmt.	15.60	4.1	23.0	33.9	164
04:14:53	Pump Tail Cmt.	15.63	4.1	35.3	46.2	174
04:17:53	Pump Tail Cmt.	15.52	3.0	46.5	57.4	122
04:20:53	Pump Tail Cmt.	15.64	3.0	55.4	66.4	125
04:23:53	Pump Tail Cmt.	13.70	0.0	61.8	72.8	39
04:26:54	Pump Tail Cmt.	9.32	2.0	65.9	76.9	71
04:27:02	Displace	9.06	2.0	66.2	77.2	72
04:27:03	Displace	9.05	2.0	0.0	77.2	72
04:27:03		9.05	2.0	0.0	77.2	72
04:29:54	Displace	8.44	2.0	5.7	82.8	99
04:32:54	Displace	8.45	0.0	7.6	84.8	32
04:35:00	End Job	8.41	0.0	7.6	84.8	29

[1] New Stage - Key & Unit(s)

Name	Abbreviation	Units
Casing Pressure	CASING-psi (2)	psi
Pump Rate	PUMP RATE-bpm	bpm
Pump 1 Rate	PUMP1f	bpm
Pump 2 Rate	PUMP2f	bpm
Cement Density	DENSITY-ppg	ppg
Slurry Fluid Volume Stage	SLRY VOL STG-bbls	bbl
Slurry Fluid Volume Job	SLRY VOL TOT-bbls	bbl
Pump 1 Pressure	PUMP1p	psi

**Post-Job Information**

Post Job Summary

Pressure Test	1500
Initial Circulating Rate	2
Initial Circulating Pressure	100
Lead Slurry Sacks	300
Lead Slurry Volume	63
Tail Slurry Sacks	
Tail Slurry Volume	
Bottom Plug Displacement	11.7
Top Plug Displacement	
Cmt Vol Circulated to Surface	30
Average Displacement Rate	2
Final Circulating Rate	2
Final Circulating Pressure	180
Plug Bumped?	YES
Pressure When Plug Bumped	675
Floats Hold?	yes
WEIGHED CEMENT WITH PRESSURIZED MUD SCALES	
THANK YOU Bobby Lewis & Crew	

**Disclaimer**



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**CEMENT QUALITY CONTROL SHEET**

COMPANY: Primexx DATE: 7/20/2011  
 LEASE: Kolarick 3-1 TICKET: \_\_\_\_\_  
 SERVICE SUPERVISOR'S SIGNATURE: \_\_\_\_\_  
 CREW: \_\_\_\_\_

BULK PLANT LOCATION Clinton, OK

NAME OF LOADER: Greg Martin

WAS BULK TRUCK/BIN BLOWN DOWN BEFORE LOADING:  YES  NO

IF PUT IN FIELD BIN, WAS BIN BLOWN DOWN:  YES  NO

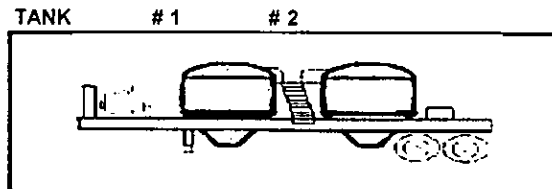
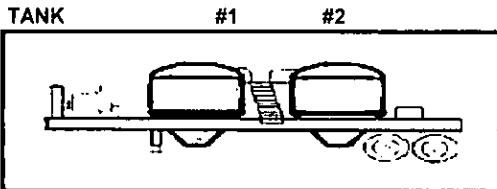
MSDS PROVIDED:  YES  NO

UNIT # 3776

UNIT # \_\_\_\_\_

DRIVER # \_\_\_\_\_

DRIVER # \_\_\_\_\_



SACKS: 150 SACKS: 150

SACKS: \_\_\_\_\_ SACKS: \_\_\_\_\_

**CEMENT ADDITIVES**

Class A Cement	Class A Cement
2% Calcium Chloride	2% Calcium Chloride
.25 lb/sk Super Flake	.25 lb/sk Super Flake

CEMENT ADDITIVES	

DRY SAMPLE  DRY SAMPLE:

DRY SAMPLE:  DRY SAMPLE:

**SLURRY DATA**

STAGE # 1

	LEAD	TAIL
SKS	_____	_____
H2O/SK	_____	_____
FT3/SK	_____	_____
# / GAL	_____	_____

STAGE # 2

	LEAD	TAIL
SKS	_____	_____
H2O/SK	_____	_____
FT3/SK	_____	_____
# / GAL	_____	_____

**PRE-JOB CHECKLIST**

MSDS LEFT ON LOCATION:  YES  NO

SLURRY & JOB REVIEWED WITH COMPANY REP: \_\_\_\_\_

SAFETY MEETING HELD: \_\_\_\_\_ YES/NO

CLEAN UP SITE DISCUSSED: \_\_\_\_\_ YES/NO

SPACERS DISCUSSED: \_\_\_\_\_ TYPE \_\_\_\_\_

DISPLACEMENTS DISCUSSED \_\_\_\_\_ TYPE \_\_\_\_\_ VOLUME \_\_\_\_\_ BBLs

FLOATING EQUIPMENT VERIFIED BY CUSTOMER: \_\_\_\_\_

DV TOOL/PLUG SET CALIPERED	<input type="checkbox"/>	YES/NO
WAS VOLUME OF MIXING H2O CHECKED:	<input type="checkbox"/>	YES/NO
WAS CEMENT & ADDITIVES RETURNED	<input type="checkbox"/>	YES/NO HOW MUCH?

THREAD TYPES  
 AT SURFACE \_\_\_\_\_  
 AT DV TOOL \_\_\_\_\_  
 AT FLT EQUIP \_\_\_\_\_

LANDED PLUG? \_\_\_\_\_ POST-JOB RESULTS  
 COMMENTS \_\_\_\_\_ FLOAT HELD? \_\_\_\_\_

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22096 West Highway 73  
Clinton, Oklahoma 73601

Office: 580 323 0058

Fax: 580 323 8629

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## BREAK THROUGH

# Primary Cementing Proposal

## PRIMEXX OPERATING

### KOLARIC #3-1

### 8 5/8 IN SURFACE CASING

#### Well Location

Field: SEC. 3-35S-5W  
County: HARPER  
State: KS

Rig Name: **LOGAN ELDORADO #7**

#### Well Information

Casing Size: 8 5/8 [in]  
Casing Depth: 425 [ft]  
TVD: 425 [ft]  
O.H. Size: 12 1/4 [in]  
O.H. Depth: 425 [ft]

#### Water Estimates

Spacer: 10.0 [bbls]  
Total Mix Water: 43.3 [bbls]  
Displacement: 24.3 [bbls]  
Wash up: 30.0 [bbls]



Pvs.Casing Size: 20 [in]  
Pvs. Casing Depth: 60 [ft]  
BHST: 83.8 [°F]  
BHCT: #N/A [°F]

Total Water Estimate: 107.6 [bbls]

## BREAK THROUGH

Prepared For: JERRY OGLE  
RUSTY RAYBORN

Date Prepared: 5/14/11

Prepared By: JOEY BITTEL

Phone: 580-530-1201

Fax: 580-323-8629

Email: [joeyb.fittich@carbois.com](mailto:joeyb.fittich@carbois.com)

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## BREAK THROUGH

### Well Bore Information

PRIMEXX OPERATING

KOLARIC #3-1

8 5/8 IN SURFACE CASING

Drilling Fluid 9.0 ppg Water Based Drilling Fluid

Spacers

Previous Casing Depth:  
60 [ft]

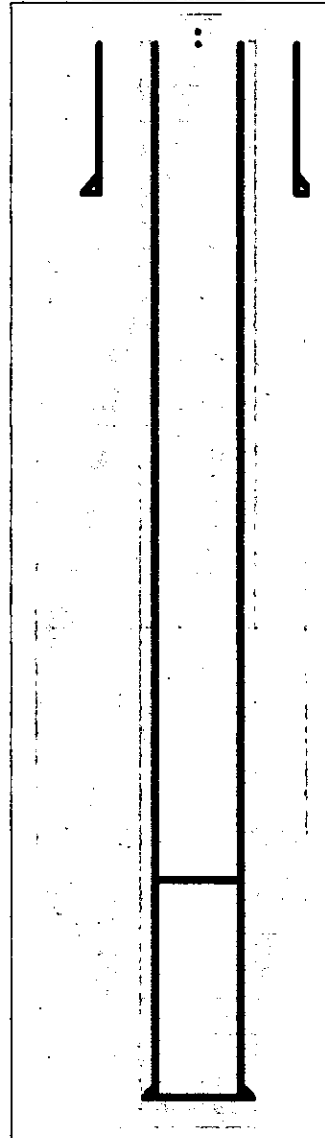
Casing in Casing Factor:  
1.5974 [cuft/ft]

Differential Pressure  
144 [psi]  
[assumes vertical hole]

Total Annular Excess  
103.5 %

Casing in OH1 Factor:  
0.4127 [cuft/ft]  
(Without Excess)

Casing Capacity Factor:  
0.3581 [cuft/ft]



#### Tail Cement

Top: Cement to Surface  
Fill: 425 [ft]  
Excess: 104 %  
Vol: 418 [cuft]

Shoe Track Length  
44 [ft]

Measured Depth  
425 [ft]

Note: Drawing may not be 100%  
Accurate with different situations.

Displacement Volume: 24 [bbls]

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**BREAK THROUGH**

PRIMEXX OPERATING

KOLARIC #3-1

8 5/8 IN SURFACE CASING

## Mud / Cement Spacer System:

10 bbls Water @ 8.32 [lb/gal]

## No Lead System

## Tail System

350 sks

Standard Cement + 2% Calcium Chloride + 0.25 LB/SK Super Flake

Mix Weight:	15.60 [lb/gal]
Yield:	1.19 [cuft/sk]
Mix Water:	5.20 [gal/sk]

## Displacement Fluid

24 bbls of Water

*Always refigure on location!!!!*



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## BREAK THROUGH

Price Code	Description	Amount	Units of Sale	Unit Cost	Total Cost
20-200-0001	Mileage DOT Units - Cmt - per unit, per mile, one way	300	ut-mi	\$ 7.60	\$ 706.80
20-200-0002	Mileage non-DOT Units -Cmt - per unit, per job	150	ut-mi	\$ 4.30	\$ 199.95
20-220-0005	Depth Pumped 301' to 500' - first 4 hours, per unit	1	unit	\$ 1,600.00	\$ 496.00
20-299-0008	AccuDat Recording System- each, per job	1	ea	\$ 1,230.00	\$ 381.30
20-200-0008	Bulk Cement Delivery - per sack, per one way mile	52500	sk-mi	\$ 0.18	\$ 2,929.50
20-215-0001	Bulk Blending Service - per sack	350	sk	\$ 3.20	\$ 347.26
20-299-0007	Plug Container HP or Double - each, per job	1	ea	\$ 710.00	\$ 220.10
20-299-0010	High Energy Mix System (HEMS) - each, per job	1	ea	\$ 746.00	\$ 231.26
25-315-0020	No Foam 2 - per gallon	5	gal	\$ 141.00	\$ 218.55
50-760-0085	Rubber Plug Top 8-5/8 - each	1	ea	\$ 235.00	\$ 72.85
25-305-1000	Cement-Standard - per sack	350	sk	\$ 38.89	\$ 4,220.31
25-300-0002	Calcium Chloride (CaCl2) - per pound	658	lb	\$ 1.89	\$ 385.59
25-335-0001	Super Flake - per pound	88	lb	\$ 6.40	\$ 173.63

-- Fuel Surcharge - as applied 1 ea \$ 853.48 \$ 264.58

Gross Price \$ 34,992.51

Discounted Price \$ 10,847.68

### Items not Requested

Price Code	Description	Amount	Units of Sale	Unit Cost	Total Cost
50-740-0086	Guide Shoe 8-5/8 - each	1	ea	\$ 387.00	\$ 387.00
50-745-0086	Insert Float Valve 8-5/8 - each	1	ea	\$ 387.00	\$ 387.00
50-725-0862	Centralizer 8-5/8 X 12 - each	3	ea	\$ 164.00	\$ 492.00
50-750-0001	Thread Lock - each	1	ea	\$ 153.00	\$ 153.00
50-736-0609	Auto Fill Unit Float Equip - 6-5/8 to 9-5/8 - each	1	ea	\$ 105.00	\$ 105.00

45.00 % Special Discount Applied \$

838.20

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**BREAK THROUGH.**

## Superior Chemical Descriptions

Chemical	Description
<i>Standard Cement</i>	<i>Standard Portland Cement (Class A or Type I)[94 lbs/sk]</i>
<i>Calcium Chloride</i>	<i>Accelerator for low temperature application when early compressive strengths are needed.</i>
<i>Super Flake</i>	<i>Cellophane or Polyester flakes used as a loss circulation additive.</i>

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## BREAK THROUGH

### Superior Equipment and Personnel Requested

Well Head Connection	8 5/8" Cement Head	Single Plug Pull Pin Style with Quick Latch Bowl type connection
	<i>This bid includes the use of Superior's circulating equipment (5 loops, 2 chicks, and the appropriate swage) to be used at the request of the client. The co-rep should give Superior 24 hrs notice to get the equipment delivered to location.</i>	
Cement Pump Truck	<i>1 Superior tractor trailer mounted cement double pump. Superiors tractor trailer cement pumps consist of a recirculating jet mixer, non-radioactive densiometer, 2 high pressure triplex pumps, and data ports to record pressures, rates and densities with Superior's AccuDat software.</i>	
	<i>This quote is for 4 hours on location, after that time any down hole pump will be charged at \$575.00 (0% discount) per hour and any standby pump at \$514.00 per hour .</i>	
Cement Bulk Units	<i>Superior Tractor Trailer style bulk trucks with 2 330 cuft bulk material bottles.</i>	
	<i>This quote is for 4 hours on location for the mobile bulk equipment, additional hours will be charged at \$196.00 (0% discount) per hour per truck on mobile bulk units only.</i>	
AccuDat Software	<i>Superior records all jobs with our AccuDat acquisition software. It is capable of recording pressures, rates, and densities simultaneously. AccuDat shows graphs and digital displays as the job is happening. After the job a post job report can be printed out and given to the customer.</i>	
Wellsite Services	<i>A derrick charge of \$886 can be applied when the plug container is more than 10 ft off the rig floor, a \$2220 charge for circulating equipment requested before the crew arrives, and a \$123 charge for a plug container left on the well. All are subject to the appropriate discount.</i>	
Technical Services	<i>Superior Provides may other services at no charge. Included in that are pressurized mud scales, Cement Job Simulation (requested), Wet and Dry Samples, and Cementing Lab testing when applicable.</i>	
Personnel Services	<i>Superior's personnel are provided at no charge for this job</i>	

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---

**BREAK THROUGH**

May 14, 2011

JERRY OGLE  
RUSTY RAYBORN

The services and materials quoted are based on the best information available at the time that this quotation was prepared. When the actual work is performed the amounts and types of services and materials may require adjustments from this quotation. Actual amounts and types of services and materials will be charged at the time the work is performed. Unit prices from Superior's current price list and discounts quoted are applied as per this quotation, unless otherwise noted.

This quotation is for the materials and services presented under this cover letter. The prices and discounts are based on Superior being awarded the work on a first call basis. Prices maybe adjusted if the work is not on a first call basis. Prices are valid for a period of 3 months following this quotation. Taxes, if any, will be applied to the actual invoice.

All services and materials sold and provided by Superior are subject are General Terms and Conditions, which includes warranty and limited liability provisions. It is agreed between both parties that all materials and services are furnished within the Superiors' General Terms and Conditions and customary Work Order Agreement.

Sincerely

JOEY BITTEL

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# Sacks: 300 sacks      Total # Sacks for Job 300 sacks      # of Pulls 1  
 Spacer Vol: bbl      Ft<sup>3</sup> per Sack 1.05 ft<sup>3</sup>      Max. amount sacks per Bulk Tank 25-2 6215  
 Spacer Wt: b/gal      Bulk Tank Capacity 320 ft<sup>3</sup>  
 Mileage: 150 miles (one way)  
 Prepared by: JOEY BITTEL      Number of Samples Caught: \_\_\_\_\_  
 Date: 7/20/2011  
 Customer: PRIMEXX OPERATING  
 Well Name: KOLARICK #3-1  
 Job Type: 8.625 SURFACE  
 Slurry Type: CLASS A

Density	15.60 ppg
Yield	1.19 cu/ft/sk
Water	5.20 gpc

**Bulk Materials for Cement (300-sacks)**

Concentration	Material Name	Abs Vol (gal/lb)	lb/sk	gal/sk	Total Wt (lbs)	Running Total Material	Material Quantities
5.2 gpc	Water	0.1200	43.316	5.200			
100.00 %	Standard	100003684	94.000	3.594	28.200	28.200	300 sacks
2.00 %	Calcium Chloride	0.0558	1.880	0.105	564	28.764	11 sacks
0.25 gpc	Super Fleke	100005049	0.235	0.020	71	28.835	71 lb

**Bulk Materials for Spacer**

Concentration	Material Name	Total Weight	Number of Sacks	cu-ft
b/bbl	Barite	100003681	-	-
b/bbl	CBS-100	100003654	-	-
b/bbl	Tuned Blend	12219	-	-
b/bbl	FE-2	100001615	-	-
b/bbl	CR-1	-	-	-
b/bbl	-	-	-	-

**Bulk Material Charges (Sub-Total)**

Service Charge (cu-ft) for Cement:	314	Bulk Cement Materials Weight:	Pounds 28,835	Tons 14
Service Charge (cu-ft) for Spacer:	-	Bulk Spacer Materials Weight:	-	-
Service Charge (cu-ft):	314	Bulk Material Weight (tons):	-	14
		Ton Mileage Based on 150-miles (one way):	2,183	

**Total Job Bulk Material Charges**

Total Service Charge (cu-ft):	314
Total Bulk Material Weight (tons):	14
Total Ton Mileage Based on 150-miles (one way):	2,183

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THROUGH.

COMPANY <b>PRIMEXX OPERATING</b>			FACILITY <b>CLINTON</b>		API Number <b>GET FROM CUST.</b>		DATE July 20, 2011		
CONTRACTOR <b>DAN DARLING #1</b>			TOWN <b>KIOWA</b>		STATE <b>KS</b>		LEGAL DESCRIPTION <b>SEC. 4-35S-5W</b>		
LEASE / WELL NUMBER <b>KOLARICK #3-1</b>			Ticket Number <b>41:000000</b>		COUNTY <b>HARPER</b>		MILEAGE ONE WAY <b>150</b>		
DIRECTIONS <b>HWY 11 &amp; RED HILL ROAD - GO 13 MILES NORTH TO THE KANSAS STATE LINE ( THERE WILL BE A "T" ) - GO 1/2 MILE EAST ON CR SE 106 TO BLUFF RD - GO 2 MILES NORTH ON BLUFF RD TO SE 90 - GO 1.50 MILES EAST ON SE 90 - NORTH INTO LOCATION</b>									
Pumping Services	<input checked="" type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Longstring <input type="checkbox"/> Plug Back <input type="checkbox"/> Conductor <input type="checkbox"/> Liner <input type="checkbox"/> Squeeze <input type="checkbox"/> Acid <input type="checkbox"/> PTA <input type="checkbox"/> Other <input type="checkbox"/> H2S								
	Casing Size/Weight	Thread	Tong/DP Size	Thread	Plug. Cont.	Swage	Top Plug	Bottom Plug	% Excess
	<b>8 5/8" / 24#</b>	<b>8RD</b>			<b>X</b>	<b>X</b>	<b>X</b>		<b>100</b>
	Number and Type Units <b>1 - PUMP TRUCK, 1 - BULK TRUCK</b>						BHST <b>85</b>	BHCT <b>80</b>	Hole Size <b>12 1/4</b>
Remarks <b>HAVE A SAFE JOB!</b>						Depth-TMD <b>230</b>	Depth-TVD <b>230</b>	Mud Weight/Type <b>9.0# WBM</b>	
Cementing Materials	CEMENT	# of Sacks	Type	Additives					
		<b>300</b>	<b>CLASS A</b>	<b>2% CALCIUM CHLORIDE + 0.25 LB/SK SUPER FLAKE</b>					
		Weight PPG	Yield Ft <sup>3</sup> /Sk	Water Gal/Sk					
		<b>15.6</b>	<b>1.19</b>	<b>5.20</b>	<b>357                      63</b>				
		# of Sacks	Type	Additives					
		Weight PPG	Yield Ft <sup>3</sup> /Sk	Water Gal/Sk					
		# of Sacks	Type	Additives					
Weight PPG	Yield Ft <sup>3</sup> /Sk	Water Gal/Sk							
Spacer or Flush	Quantity	Type	REMARKS						
	<b>10 BBL</b>	<b>FRESH WATER</b>	<b>SPACER</b>						
Spacer or Flush	Quantity	Type	Additives						
Other	Quantity	Type	Additives						
	<b>13 BBL</b>	<b>FRESH WATER</b>	<b>DISPLACEMENT (ALWAYS REFIGURE ON LOCATION)</b>						
Remarks/HSE	<b>TAKE 8 5/8 PLUG CONTAINER + MANIFOLD + 8 RD BOWEL + + TAKE 10 GALS OF NO FOAM + CIRCULATING IRON AND FLOAT EQUIPMENT ALREADY ON LOCATION(M.JAMES) + TALK WITH CUSTOMER ABOUT PROCEDURES</b>								
Sales Items	Casing Size	<b>8 5/8</b>	Casing Weight	<b>24#</b>	Thread	<b>8RD</b>			
	Guide Shoe	<b>1</b>	Float Shoe		Float Collar		Insert Float Valve	<b>1</b>	
	Centralizers - Number	<b>3</b>	Size	<b>8 5/8 X 12 1/4</b>	Type				
	Well Cleaners - Number		Type		MSC (DV Tool)		MSC Plug Set	<b>KGC WICHITA</b>	
	Limit Clamps		Weid-A	<b>1</b>	Other		<b>BALL FOR INSERT</b>		
	Remarks								
Customer Rep. <b>JERRY OGLE</b>			Phone Number <b>580-541-9124</b>		Fax		Time of Call <b>W/C</b>		
Call Taken by <b>JOEY BITTEL</b>							Time Ready <b>W/C</b>		

10  
37

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**Cement Report**

**Client Information**

Client Reference	PR
Client	Primexx Operating
Address	4849 Greenville Ave 1600
City State Zip	Dallas TX. 75206
Representative	Jerry Ogle

**Lease/Project/Well Information**

Job Type	Casing Cement Job - 8 5/8
Lease or Project	Kolarick
Lease Number	3-1
Physical Location	4-35S-5W
County	KIOWA
State	KS

**Service Center Information**

Service Center	Clinton
Location Code	41
SWSI Entity	Superior Well Services
Location Address	22096 Hwy 73 West
City State Zip	Clinton OK 73601
Phone	580-323-0058

**Pre-Job Information**

**Well Information**

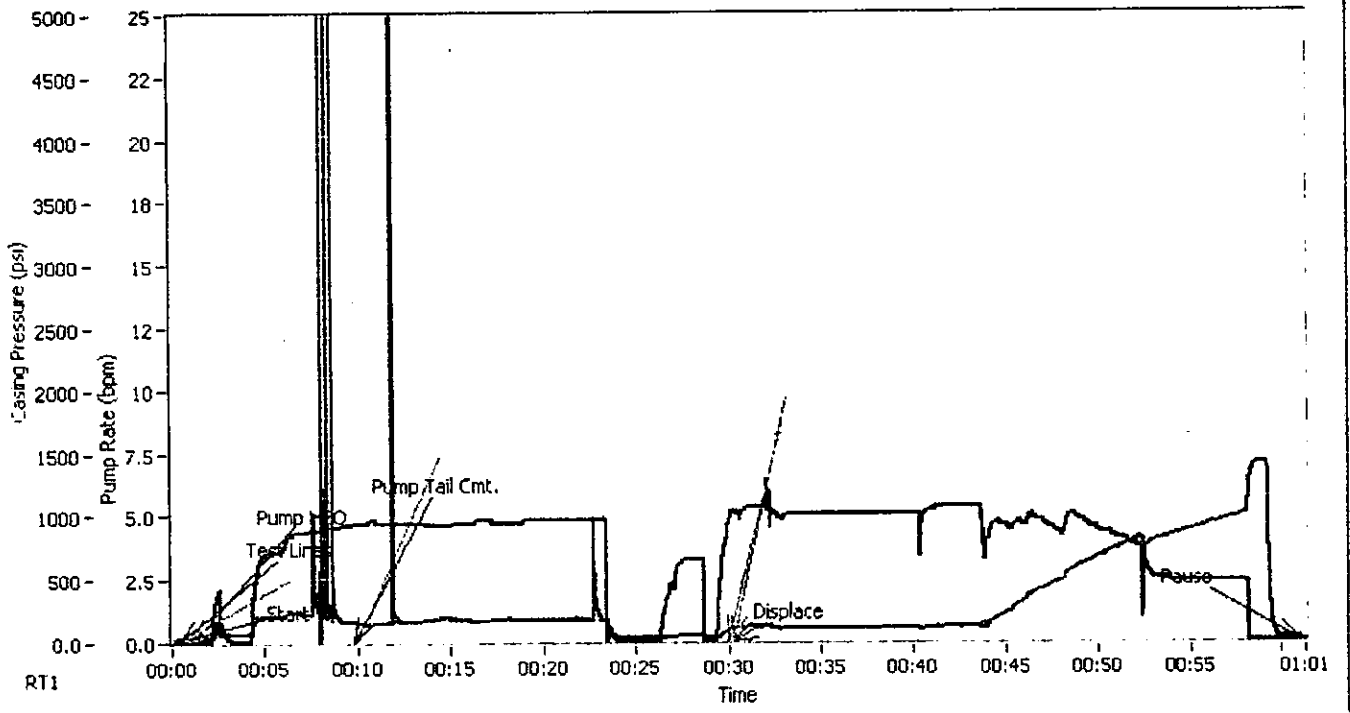
Casing Size	5.5	
Casing Weight	15.5	
Casing Connection	stc 8 round	
Casing I.D.		
Hole Size	7 7/8	
Calculated Annular Excess %	25	
BHST	134	
T.D.	5300	
Casing Length	5300	
Shoe Joint	42	
Float Collar	5258	
Calculated T.O.C.		
Previous Casing Depth		RECEIVED
Previous Casing Size	8 5/8	DEC 02 2011
Previous Casing Weight	24	
Drill Pipe Size	4.5	
Drill Pipe Weight	16.6	KCG WICHITA

# Call-Out Information

Service Center(s)	Clinton OK
Bulk Location(s)	Same
Pumping Equipment	3002
Auxilliary Equipment	3781
Time Called Out	0130
Time On Location	0600
Planned Time of Job	AM
Weather Conditions	90

## [1] New Stage

[1] New Stage - Recorded Time Plot 1

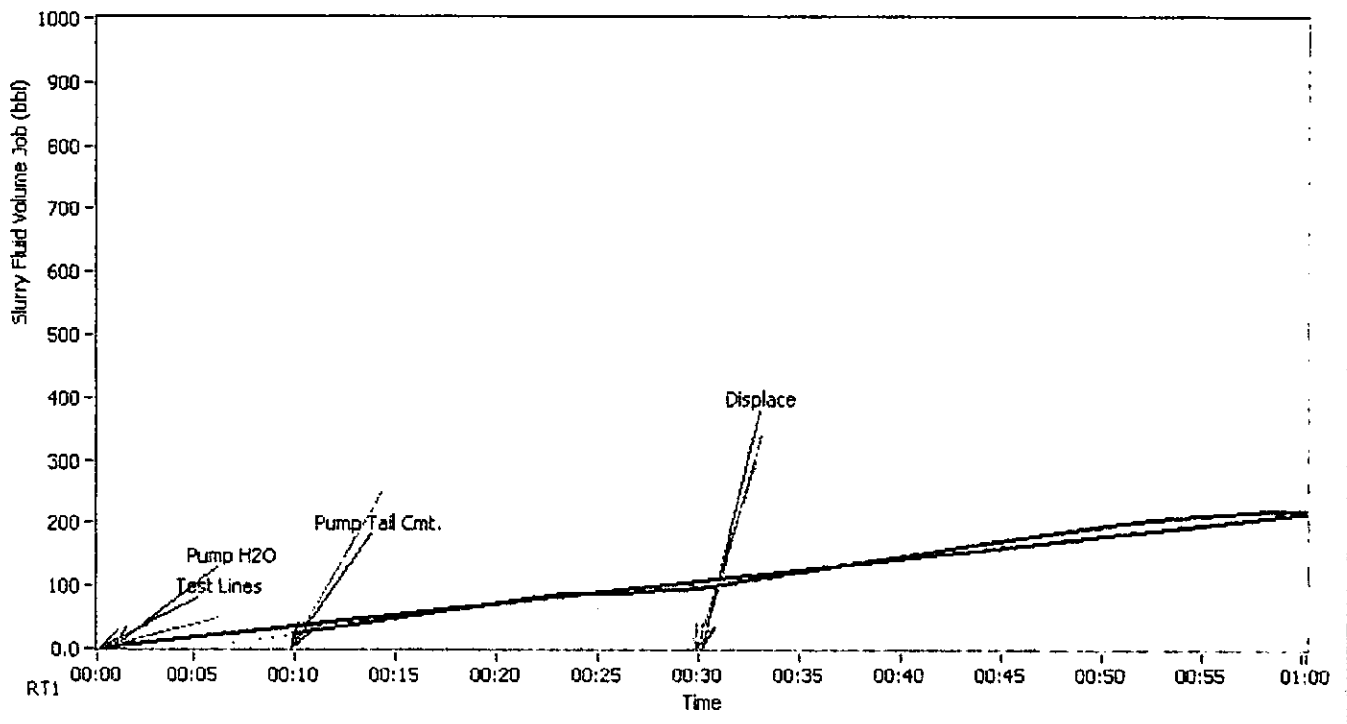


[1] New Stage - Recorded Time Plot 1

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[1] New Stage - Recorded Time Plot 2



[1] New Stage - Recorded Time Plot 2

[1] New Stage - Total(s)

Time	Comment	SLRY VOL STG-bbls	SLRY VOL TOT-bbls
19:00:00			
09:32:48	Test Lines	0.0	0.0
09:42:20	Pump Tail Cmt.	0.0	23.1
10:02:21	Pump Tail Cmt.	0.0	94.5
10:02:40	Displace	0.0	96.0
10:33:40		121.6	217.6

[1] New Stage - Job Log

Time	Comment	DENSITY-ppg	PUMP RATE-bpm	SLRY VOL STG-bbls	SLRY VOL TOT-bbls	CASING-psi (2)
09:32:47	Test Lines	3.43	0.0	0.0	0.0	29
09:32:48		3.41	0.0	0.0	0.0	29
09:32:54	Test Lines	3.34	0.0	0.0	0.0	29
09:33:31	Pump H2O	3.26	0.0	0.0	0.0	29
09:35:50	Pump H2O	8.19	0.0	0.8	0.8	59
09:38:50	Pump H2O	12.28	4.2	7.6	7.6	232
09:41:50	Pump H2O	14.04	4.6	20.8	20.8	161
09:42:19	Pump Tail Cmt.	13.61	4.7	23.0	23.0	152
09:42:20	Pump Tail Cmt.	13.60	4.7	0.0	23.1	151
09:42:21		13.59	4.7	0.1	23.1	152
09:44:50	Pump Tail Cmt.	13.04	4.7	11.8	34.8	153
09:47:50	Pump Tail Cmt.	14.19	4.7	25.8	48.8	178



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Time	Comment	DENSITY-ppg	PUMP RATE- bpm	SLRY VOL STG-bbls	SLRY VOL TOT-bbls	CASING-psi (2)
09:50:50	Pump Tail Cmt.	14.13	4.7	39.9	62.9	180
09:53:51	Pump Tail Cmt.	13.99	4.8	54.1	77.1	176
09:56:51	Pump Tail Cmt.	12.88	0.0	64.2	87.2	29
09:59:51	Pump Tail Cmt.	10.62	3.1	66.2	89.3	39
10:02:21	Pump Tail Cmt.	8.03	4.1	0.0	94.5	77
10:02:22		8.03	4.1	0.0	94.5	77
10:02:40	Displace	8.21	5.2	0.0	96.0	105
10:02:41		8.21	5.2	0.0	96.0	105
10:02:44	Displace	8.22	5.1	0.3	96.3	101
10:02:51	Displace	8.22	5.1	0.9	97.0	102
10:05:51	Displace	8.19	5.0	16.4	112.4	98
10:08:51	Displace	8.19	5.0	31.4	127.4	97
10:11:52	Displace	8.16	5.0	46.4	142.4	97
10:14:52	Displace	8.18	5.3	61.7	157.7	109
10:17:52	Displace	8.15	4.5	76.3	172.2	257
10:20:53	Displace	8.16	4.9	90.1	186.2	553
10:23:52	Displace	8.16	4.0	103.7	199.7	762
10:26:53	Displace	8.11	2.4	112.5	208.5	854
10:29:53	Displace	8.12	2.4	119.7	215.7	982
10:32:54	Displace	8.11	0.0	121.6	217.6	28
10:33:38	End Job	8.11	0.0	121.6	217.6	27

[1] New Stage - Key & Unit(s)

Name	Abbreviation	Units
Casing Pressure	CASING-psi (2)	psi
Pump Rate	PUMP RATE-bpm	bpm
Pump 1 Rate	PUMP1f	bpm
Pump 2 Rate	PUMP2f	bpm
Cement Density	DENSITY-ppg	ppg
Slurry Fluid Volume Stage	SLRY VOL STG-bbls	bbl
Slurry Fluid Volume Job	SLRY VOL TOT-bbls	bbl
Pump 1 Pressure	PUMP1p	psi

**Post-Job Information**

Post Job Summary

Pressure Test	2500
Initial Circulating Rate	3
Initial Circulating Pressure	150
Lead Slurry Sacks	25
Lead Slurry Volume	25
Tail Slurry Sacks	225
Tail Slurry Volume	73
Bottom Plug Displacement	125
Top Plug Displacement	
Cmt Vol Circulated to Surface	
Average Displacement Rate	5
Final Circulating Rate	2.5
Final Circulating Pressure	1100
Plug Bumped?	YES



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Pressure When Plug Bumped	1450
Floats Hold?	yes
WEIGHED CEMENT WITH PRESSURIZED MUD SCALES	
THANK YOU Bobby Lewis & Crew	

## Disclaimer

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**LOCATION WATER TEST**

**General Information**

Customer: PRIMEXX OPERATING Date: 7/31/2011  
 Sales Order #: KOLARIC #3-1 Time: 7/31/2011  
 Lease Name & #: KOLARIC #3-1 Water Source: Tank  
 Employee Name Bobby Lewis

Test Results Sample #1

	Field	Lab	Standards
Temp	<u>85</u> ° F	<u>      </u> ° F	Max Temp 120° F
pH	<u>7.0</u>	<u>      </u>	6.0 - 8.0
Sulfates	<u>50</u> mg/L	<u>      </u> mg/L	Less Than 2000 mg/L
Chlorides	<u>200</u> mg/L	<u>      </u> mg/L	Less Than 3000 mg/L
Tanin & Lignin	<u>N</u> Y/N	<u>      </u> Y/N	No Trace
Bicarbonates	<u>XXXXXXXX</u>	<u>      </u> mg/L	Less Than 500 mg/L

Test Results Sample #2

	Field	Lab	Standards
Temp	<u>      </u> ° F	<u>      </u> ° F	Max Temp 120° F
pH	<u>      </u>	<u>      </u>	6.0 - 8.0
Sulfates	<u>      </u> mg/L	<u>      </u> mg/L	Less Than 2000 mg/L
Chlorides	<u>      </u> mg/L	<u>      </u> mg/L	Less Than 3000 mg/L
Tanin & Lignin	<u>      </u> Y/N	<u>      </u> Y/N	No Trace
Bicarbonates	<u>XXXXXXXX</u>	<u>      </u> mg/L	Less Than 500 mg/L

Test Results Sample #3

	Field	Lab	Standards
Temp	<u>      </u> ° F	<u>      </u> ° F	Max Temp 120° F
pH	<u>      </u>	<u>      </u>	6.0 - 8.0
Sulfates	<u>      </u> mg/L	<u>      </u> mg/L	Less Than 2000 mg/L
Chlorides	<u>      </u> mg/L	<u>      </u> mg/L	Less Than 3000 mg/L
Tanin & Lignin	<u>      </u> Y/N	<u>      </u> Y/N	No Trace
Bicarbonates	<u>XXXXXXXX</u>	<u>      </u> mg/L	Less Than 500 mg/L

Remarks:

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COMPANY <b>PRIMEXX OPERATING</b>		FACILITY <b>CLINTON</b>		API Number <b>GET FROM CUST.</b>	DATE <b>July 30, 2011</b>
CONTRACTOR <b>DAN DARLING #1</b>		TOWN <b>KIOWA</b>	STATE <b>KS</b>	LEGAL DESCRIPTION <b>SEC. 3-35S-5W</b>	
LEASE / WELL NUMBER <b>KOLARIC #3-1</b>		Ticket Number <b>41-000000</b>	COUNTY <b>HARPER</b>	MILEAGE ONE WAY <b>150</b>	
DIRECTIONS <b>HWY 11 &amp; RED HILL ROAD - GO 13 MILES NORTH TO THE KANSAS STATE LINE ( THERE WILL BE A "T" ) - GO 1/2 MILE EAST ON CR SE 106 TO BLUFF RD - GO 2 MILES NORTH ON BLUFF RD TO SE 90 - GO 1.75 MILES EAST ON SE 90 - NORTH INTO LOCATION</b>					

Pumping Services	<input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input checked="" type="checkbox"/> Longstring <input type="checkbox"/> Plug Back <input type="checkbox"/> Conductor <input type="checkbox"/> Liner <input type="checkbox"/> Squeeze <input type="checkbox"/> Acid <input type="checkbox"/> PTA <input type="checkbox"/> Other <input type="checkbox"/> H2S								
	Casing Size/Weight <b>5 1/2" / 15.5#</b>	Thread <b>8RD</b>	Tbng/DP Size	Thread	Plug. Cont. <b>X</b>	Swage <b>X</b>	Top Plug <b>X</b>	Bottom Plug	% Excess <b>25</b>
	Number and Type Units <b>1 - PUMP TRUCK, 1 - BULK TRUCK</b>						BHST <b>134</b>	BHCT <b>109</b>	Hole Size <b>7 7/8</b>
	Remarks <b>HAVE A SAFE JOB!</b>						Depth-TMD <b>5,300</b>	Depth-TVD <b>5300</b>	Mud Weight/Type <b>9.0# WBM</b>

Cementing Materials	CEMENT	# of Sacks <b>25</b>	Type <b>CLASS H</b>	Additives <b>10 % SALT (NACL) ( BWOW) + 10 % GYPSUM- 60 + 0.5 % AIR OUT + 0.6 % SUPER FL -200 + 8 LB/SK GILSONITE</b>			
		Weight PPG <b>12.0</b>	Yield Ft <sup>3</sup> /Sk <b>2.87</b>	Water Gal/Sk <b>15.88</b>			
		# of Sacks <b>225</b>	Type <b>CLASS H</b>	Additives <b>10 % SALT (NACL) ( BWOW) + 10 % GYPSUM- 60 + 0.5 % AIR OUT + 0.6 % SUPER FL -200 + 8 LB/SK GILSONITE</b>			
		Weight PPG <b>13.8</b>	Yield Ft <sup>3</sup> /Sk <b>1.83</b>	Water Gal/Sk <b>8.4</b>			
		# of Sacks	Type	Additives			
		Weight PPG	Yield Ft <sup>3</sup> /Sk	Water Gal/Sk			
	Spacer or Flush	Quantity	Type	REMARKS			
	Spacer or Flush	Quantity	Type	Additives			
	Other	Quantity <b>124 BBL</b>	Type <b>FRESH WATER</b>	Additives <b>DISPLACEMENT (ALWAYS REFIGURE ON LOCATION)</b>			

Remarks/HSE	<b>TAKE 5 1/2 PLUG CONTAINER + MANIFOLD + 8RD BOWEL + TAKE TOP RUBBER PLUG + TAKE 10 GALS OF NO FOAM + TALK TO CUSTOMER ABOUT PROCEDURES</b>	
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Sales Items	Casing Size <b>5 1/2</b>	Casing Weight <b>15.5</b>	Thread <b>8 RD</b>	<b>KCC WICHITA</b>	
	Guide Shoe <b>1</b>	Float Shoe	Float Collar <b>1</b>		
	Centralizers - Number <b>15</b>	Size <b>5 1/2" X 7 7/8"</b>	Type		
	Well Cleaners - Number	Type	MSC (DV Tool)	MSC Plug Set	
	Limit Clamps <b>1</b>	Weld-A <b>2</b>	Other		
	Remarks				

Customer Rep. <b>JERRY OGLE</b>	Phone Number <b>580-541-9124</b>	Fax	Time of Call <b>W/C</b>
Call Taken By <b>JOEY BITTEL</b>	Bobby Lewis		Time Ready <b>W/C</b>



COMPANY <b>PRIMEXX OPERATING</b>		FACILITY <b>CLINTON</b>		API Number <b>GET FROM CUST.</b>	DATE <b>July 30, 2011</b>
CONTRACTOR <b>DAN DARLING #1</b>		TOWN <b>KIOWA</b>	STATE <b>KS</b>	LEGAL DESCRIPTION <b>SEC. 3-35S-5W</b>	
LEASE / WELL NUMBER <b>KOLARIC #3-1</b>		Ticket Number <b>41-000000</b>	COUNTY <b>HARPER</b>	MILEAGE ONE WAY <b>150</b>	
DIRECTIONS <b>HWY 11 &amp; RED HILL ROAD - GO 13 MILES NORTH TO THE KANSAS STATE LINE ( THERE WILL BE A "T" ) - GO 1/2 MILE EAST ON CR SE 106 TO BLUFF RD - GO 2 MILES NORTH ON BLUFF RD TO SE 90 - GO 1.75 MILES EAST ON SE 90 - NORTH INTO LOCATION</b>					

Pumping Services	<input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input checked="" type="checkbox"/> Longstring <input type="checkbox"/> Plug Back <input type="checkbox"/> Conductor <input type="checkbox"/> Liner <input type="checkbox"/> Squeeze <input type="checkbox"/> Acid <input type="checkbox"/> PTA <input type="checkbox"/> Other <input type="checkbox"/> H2S								
	Casing Size/Weight <b>5 1/2" / 15.5#</b>	Thread <b>8RD</b>	Tbng/DP Size	Thread	Plug. Cont. <b>X</b>	Swage <b>X</b>	Top Plug <b>X</b>	Bottom Plug	% Excess <b>25</b>
	Number and Type Units <b>1 - PUMP TRUCK, 1 - BULK TRUCK</b>						BHST <b>134</b>	BHCT <b>109</b>	Hole Size <b>7 7/8</b>
	Remarks <b>HAVE A SAFE JOB!</b>						Depth-TMD <b>5,300</b>	Depth-TVD <b>5300</b>	Mud Weight/Type <b>9.0# WBM</b>

Cementing Materials	CEMENT	# of Sacks <b>25</b>	Type <b>CLASS H</b>	Additives <b>10 % SALT (NACL) ( BWOW) + 10 % GYPSUM- 60 + 0.5 % AIR OUT + 0.6 % SUPER FL -200 + 8 LB/SK GILSONITE</b>		
		Weight PPG <b>12.0</b>	Yield Ft3/Sk <b>2.87</b>	Water Gal/Sk <b>15.88</b>		
		# of Sacks <b>225</b>	Type <b>CLASS H</b>	Additives <b>10 % SALT (NACL) ( BWOW) + 10 % GYPSUM- 60 + 0.5 % AIR OUT + 0.6 % SUPER FL -200 + 8 LB/SK GILSONITE</b>		
		Weight PPG <b>13.8</b>	Yield Ft3/Sk <b>1.83</b>	Water Gal/Sk <b>8.4</b>		
		# of Sacks	Type	Additives		
		Weight PPG	Yield Ft3/Sk	Water Gal/Sk		
	# of Sacks	Type	Additives			
	Weight PPG	Yield Ft3/Sk	Water Gal/Sk			
	Spacer or Flush	Quantity	Type	REMARKS		
	Spacer or Flush	Quantity	Type	Additives		
Other	Quantity <b>124 BBL</b>	Type <b>FRESH WATER</b>	Additives <b>DISPLACEMENT (ALWAYS REFIGURE ON LOCATION)</b>			

Remarks/HSE	<b>TAKE 5 1/2 PLUG CONTAINER + MANIFOLD + 8RD BOWEL + TAKE TOP RUBBER PLUG + TAKE 10 GALS OF NO FOAM + TALK TO CUSTOMER ABOUT PROCEDURES</b>	
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Sales Items	Casing Size <b>5 1/2</b>	Casing Weight <b>15.5</b>	Thread <b>8 RD</b>	<b>KCC WICHITA</b>	
	Guide Shoe <b>1</b>	Float Shoe	Float Collar <b>1</b>		
	Centralizers - Number <b>15</b>	Size <b>5 1/2" X 7 7/8"</b>	Type		
	Well Cleaners - Number	Type	MSC (DV Tool)	MSC Plug Set	
	Limit Clamps <b>1</b>	Weld-A <b>2</b>	Other		
	Remarks				

Customer Rep. <b>JERRY OGLE</b>	Phone Number <b>580-541-9124</b>	Fax	Time of Call <b>WIC</b>
Call Taken By <b>JOEY BITTEL</b>	<b>Bobby Lewis</b>		Time Ready <b>WIC</b>





# Superior Well Services

22096 West Highway 73  
Clinton, Oklahoma 73601

Office: 580 323 0058

Fax: 580 323 8629

[www.swsi.com](http://www.swsi.com)

**BREAK THROUGH**

## Primary Cementing Proposal

### PRIMEXX OPERATING

**KOLARIC #3-1**

**5 1/2 IN PRODUCTION CASING**

#### Well Location

Field: SEC. 3-35S-5W  
County: HARPER  
State: KS

Rig Name: **LOGAN ELDORADO #7**

#### Well Information

Casing Size: 5 1/2 [in]  
Casing Depth: 5400 [ft]  
TVD: 5400 [ft]  
O.H. Size: 7 7/8 [in]  
O.H. Depth: 5400 [ft]

#### Water Estimates

Spacer: 0.0 [bbls]  
Total Mix Water: 43.4 [bbls]  
Displacement: 125.2 [bbls]  
Wash up: 30.0 [bbls]



Pvs. Casing Size: 8 5/8 [in]  
Pvs. Casing Depth: 425 [ft]  
BHST: 134.0 [°F]  
BHCT: 109 [°F]

Total Water Estimate: 198.6 [bbls]

**BREAK THROUGH**

Prepared For: JERRY OGLE  
RUSTY RAYBORN

Date Prepared: 5/14/11

Prepared By: JOEY BITTEL

Phone: 580-530-1201

Fax: 580-323-8629

Email: [joeyb@bittelthoies.com](mailto:joeyb@bittelthoies.com)

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## BREAK THROUGH

PRIMEXX OPERATING

KOLARIC #3-1

5 1/2 IN PRODUCTION CASING

### Well Bore Information

Drilling Fluid 9.0 ppg Water Based Drilling Fluid

Spacers

Previous Casing Depth:  
425 [ft]

Casing in Casing Factor:  
0.1931 [cuft/ft]

#### Scavenger

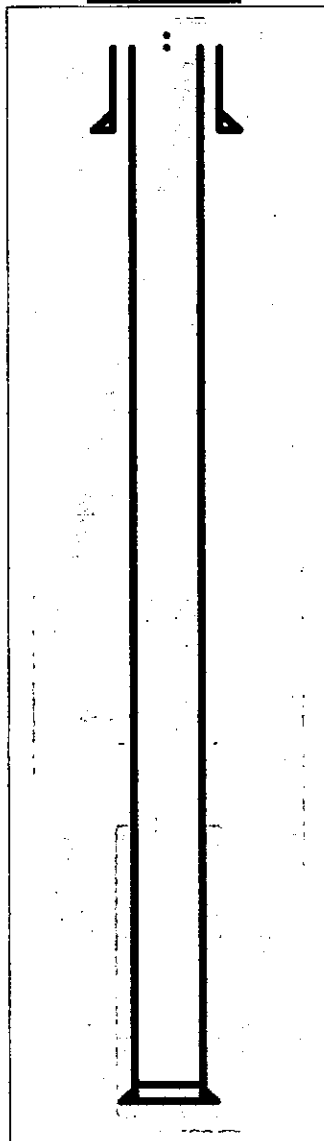
Top: 3585 [ft]  
Fill: 415 [ft]  
Excess: 0 %  
Vol: 72 [cuft]

Differential Pressure  
593 [psi]  
[assumes vertical hole]

Total Annular Excess  
26 %

Casing in OH1 Factor:  
0.1733 [cuft/ft]  
(Without Excess)

Casing Capacity Factor:  
0.1313 [cuft/ft]



Note: Drawing may not be 100%  
Accurate with different situations.

#### Tail Cement

Top: 4000 [ft]  
Fill: 1400 [ft]  
Excess: 26 %  
Vol: 311 [cuft]

Shoe Track Length  
44 [ft]

Measured Depth  
5,400 [ft]

Displacement Volume: 125 [bbls]

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## BREAK THROUGH

PRIMEXX OPERATING

KOLARIC #3-1

5 1/2 IN PRODUCTION CASING

### Mud / Cement Spacer System:

0 bbls @ 8.32 [lb/gal]

#### Scavenger

25 sks

Premium Class "H" + 10% Salt (NaCl) (BWOW) + 10% Gypsum - 60 + 0.5% Air-Out + 0.6% Super FL -200 + 8  
LB/SK Gilsonite

Mix Weight: 12.0 [lb/gal]

Yield: 2.87 [cuft/sk]

Mix Water: 15.88 [gal/sk]

### No Lead System

### Tail System

170 sks

Premium Class "H" + 10% Salt (NaCl) (BWOW) + 10% Gypsum - 60 + 0.5% Air-Out + 0.6% Super FL -200 + 8  
LB/SK Gilsonite

Mix Weight: 13.80 [lb/gal]

Yield: 1.83 [cuft/sk]

Mix Water: 8.40 [gal/sk]

### Displacement Fluid

125 bbls of Water

*Always refigure on location!!!!*



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## BREAK THROUGH

Price Code	Description	Amount	Units of Sale	Unit Cost	Total Cost
20-200-0001	Mileage DOT Units - Cmt - per unit, per mile, one way	300	ut-mi	\$ 7.60	\$ 706.80
20-200-0002	Mileage non-DOT Units -Cmt - per unit, per job	150	ut-mi	\$ 4.30	\$ 199.95
20-220-0055	Depth Pumped 5,001' to 5,500' - first 4 hours, per unit	1	unit	\$ 4,410.00	\$ 1,367.10
20-299-0008	AccuDat Recording System- each, per job	1	ea	\$ 1,230.00	\$ 381.30
20-200-0008	Bulk Cement Delivery - per sack, per one way mile	29250	sk-mi	\$ 0.18	\$ 1,632.15
20-215-0001	Bulk Blending Service - per sack	195	sk	\$ 3.20	\$ 193.31
20-299-0007	Plug Container HP or Double - each, per job	1	ea	\$ 710.00	\$ 220.10
20-299-0010	High Energy Mix System (HEMS) - each, per job	1	ea	\$ 746.00	\$ 231.26
25-315-0020	No Foam 2 - per gallon	5	gal	\$ 141.00	\$ 218.55
50-760-0055	Rubber Plug Top 5-1/2 - each	1	ea	\$ 223.00	\$ 69.13
25-305-2000	Cement-Premium 'H' - per sack	195	sk	\$ 45.75	\$ 2,763.70
25-300-0003	Sodium Chloride-Salt (NaCl) - per pound	1517	lb	\$ 1.07	\$ 503.23
25-315-0001	Air Out - per pound	92	lb	\$ 13.60	\$ 386.13
25-335-0003	Gilsonite - per pound	1559	lb	\$ 1.50	\$ 724.90
25-300-0001	Gypsum Cement 60 - per pound	1832	lb	\$ 1.69	\$ 959.65
25-320-0200	Super FL-200 - per pound	110	lb	\$ 26.10	\$ 889.24

- Fuel Surcharge - as applied 1 ea \$ 923.10 \$ 286.16

Gross Price \$ 37,847.28

Discounted Price \$ 11,732.66

### Items not Requested

Price Code	Description	Amount	Units of Sale	Unit Cost	Total Cost
50-740-0055	Guide Shoe 5-1/2 - each	1	ea	\$ 410.00	\$ 410.00
50-730-0055	Float Collar 5-1/2 - each	1	ea	\$ 1,290.00	\$ 1,290.00
50-725-0557	Centralizer 5-1/2 X 7-7/8 - each	15	ea	\$ 98.40	\$ 1,476.00
50-750-0001	Thread Lock - each	2	ea	\$ 153.00	\$ 306.00
50-775-0055	Stop Ring 5-1/2 - each	1	ea	\$ 77.30	\$ 77.30

45.00 % Special Discount Applied \$ 1,957.62

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**BREAK THROUGH**

**Superior Chemical Descriptions**

<b>Chemical</b>	<b>Description</b>
Premium Class "H"	API Class "H" Portland Cement [94 lbs/sk]
Salt (NaCl)	Sodium Chloride Salt used for many functions
Air-Out	Anti-foam agent used to prevent general foaming. Air Out has no effect on cement properties and it is compatible with all API classes of cement and additives.
Gilsonite	Low density (SG=1.07) asphaltite mineral extender made up of black angular solids used to prepare lower density cements.
Gypsum - 60	Gypsum cement additive used for thixotropic cements or its expansive properties.
Super FL -200	Powdered polysaccharide derivative type fluid loss agent for applications up to 220 F, also effective with salt concentrations up to 18%.



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**BREAK THROUGH**

## Superior Equipment and Personnel Requested

Well Head Connection	5 1/2" Cement Head	Single Plug Pull Pin Style with Quick Latch Bowl type connection
	<i>This bid includes the use of Superior's circulating equipment (5 loops, 2 chicks, and the appropriate swage) to be used at the request of the client. The co-rep should give Superior 24 hrs notice to get the equipment delivered to location.</i>	
Cement Pump Truck	1 Superior tractor trailer mounted cement double pump. Superiors tractor trailer cement pumps consist of a recirculating jet mixer, non-radioactive densiometer, 2 high pressure triplex pumps, and data ports to record pressures, rates and densities with Superior's AccuDat software.	
	<i>This quote is for 4 hours on location, after that time any down hole pump will be charged at \$575.00 (0% discount) per hour and any standby pump at \$514.00 per hour .</i>	
Cement Bulk Units	Superior Tractor Trailer style bulk trucks with 2 330 cuft bulk material bottles.	
	<i>This quote is for 4 hours on location for the mobile bulk equipment, additional hours will be charged at \$196.00 (0% discount) per hour per truck on mobile bulk units only.</i>	
AccuDat Software	Superior records all jobs with our AccuDat acquisition software. It is capable of recording pressures, rates, and densities simultaneously. AccuDat shows graphs and digital displays as the job is happening. After the job a post job report can be printed out and given to the customer.	
Wellsite Services	A derrick charge of \$886 can be applied when the plug container is more than 10 ft off the rig floor, a \$2220 charge for circulating equipment requested before the crew arrives, and a \$123 charge for a plug container left on the well. All are subject to the appropriate discount.	
Technical Services	Superior Provides may other services at no charge. Included in that are pressurized mud scales, Cement Job Simulation (requested), Wet and Dry Samples, and Cementing Lab testing when applicable.	
Personnel Services	Superior's personnel are provided at no charge for this job	



# Superior Well Services

22096 West Highway 73  
Clinton, Oklahoma 73601

Office: 580 323 0058

Fax: 580 323 8629

[www.swsi.com](http://www.swsi.com)

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**BREAK THROUGH.**

May 14, 2011

JERRY OGLE  
RUSTY RAYBORN

The services and materials quoted are based on the best information available at the time that this quotation was prepared. When the actual work is performed the amounts and types of services and materials may require adjustments from this quotation. Actual amounts and types of services and materials will be charged at the time the work is performed. Unit prices from Superior's current price list and discounts quoted are applied as per this quotation, unless otherwise noted.

This quotation is for the materials and services presented under this cover letter. The prices and discounts are based on Superior being awarded the work on a first call basis. Prices maybe adjusted if the work is not on a first call basis. Prices are valid for a period of 3 months following this quotation. Taxes, if any, will be applied to the actual invoice.

All services and materials sold and provided by Superior are subject are General Terms and Conditions, which includes warranty and limited liability provisions. It is agreed between both parties that all materials and services are furnished within the Superiors' General Terms and Conditions and customary Work Order Agreement.

Sincerely

JOEY BITTEL

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# Bulk Plant Load Sheet

Customer: **PRIMEXX OPERATING**  
 Lease: **KOLARIC #3-1**  
 Job Type: **5.5 PRODUCTION**

Date: 7/28/2011  
 Sales Order No.: \_\_\_\_\_  
 Loader: JOEY BITTEL  
 Assistant: \_\_\_\_\_

Field Blend: Yes  No

Cement Blend:  
CLASS H

Cement Blend:  
CLASS H

Cement Blend:

Total No. Sacks 25.0  
 No. Sacks per Pull 25.0  
 Number of Pulls 1.0  
 Number Samples -

Total No. Sacks 175.0  
 No. Sacks per Pull 175.0  
 Number of Pulls 1.0  
 Number Samples -

Total No. Sacks -  
 No. Sacks per Pull -  
 Number of Pulls 1.0  
 Number Samples -

	Wt. of Materials	
Cement	2,350 lbs	
Pozmix A	- lbs	
Gel	- lbs	
Kol Seal	2,444 lbs	
Super SF-100	- lbs	
Super SF-200	- lbs	
Hydrated Lime	- lbs	
CC	- Sacks	
Gypsum	5 Sacks	
CD-20	- lbs	
Air Out	12 lbs	
Super Sil - SP	- Sacks	
Super Flake	- lbs	
Gas X 300	- lbs	
FL-200	14 lbs	
FL-300	- lbs	
FL-350	- lbs	
Halad-344	- lbs	
Halad-413	- lbs	
CR-1	- lbs	
SCR-100	- lbs	
HR-25	- lbs	
KCL	- Sacks	
Mud Save F	- Sacks	
Salt	7 Sacks	
P-ASA	- lbs	
Hi-Dense #3	- Sacks	
Pressur Seal	- Sacks	
Super CBL	- lbs	
Other	_____	
Other	_____	
Other	_____	

	Wt. of Materials	
Cement	16,450 lbs	
Pozmix A	- lbs	
Gel	- lbs	
Kol Seal	17,108 lbs	
Super SF-100	- lbs	
Super SF-200	- lbs	
Hydrated Lime	- lbs	
CC	- Sacks	
Gypsum	33 Sacks	
CD-20	- lbs	
Air Out	82 lbs	
Super Sil - SP	- Sacks	
Super Flake	- lbs	
Gas X 300	- lbs	
FL-200	99 lbs	
FL-300	- lbs	
FL-350	- lbs	
Halad-344	- lbs	
Halad-413	- lbs	
CR-1	- lbs	
SCR-100	- lbs	
HR-25	- lbs	
KCL	- Sacks	
Mud Save F	- Sacks	
Salt	26 Sacks	
P-ASA	- lbs	
Hi-Dense #3	- Sacks	
Pressur Seal	- Sacks	
Super CBL	- lbs	
Other	_____	
Other	_____	
Other	_____	

	Wt. of Materials	
Cement	- lbs	
Pozmix A	- lbs	
Gel	- lbs	
Kol Seal	- lbs	
Super SF-100	- lbs	
Super SF-200	- lbs	
Hydrated Lime	- lbs	
CC	- Sacks	
Gypsum	- Sacks	
CD-20	- lbs	
Air Out	- lbs	
Super Sil - SP	- Sacks	
Super Flake	- lbs	
Gas X 300	- lbs	
FL-200	- lbs	
FL-300	- lbs	
FL-350	- lbs	
Halad-344	- lbs	
Halad-413	- lbs	
CR-1	- lbs	
SCR-100	- lbs	
HR-25	- lbs	
KCL	- Sacks	
Mud Save F	- Sacks	
Salt	- Sacks	
P-ASA	- lbs	
Hi-Dense #3	- Sacks	
Pressur Seal	- Sacks	
Super CBL	- lbs	
Other	_____	
Other	_____	
Other	_____	

Spacer Volume - bbl  
 Blend - Sacks  
 Barite - lbs  
 Other \_\_\_\_\_

- lb/gal

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**LOCATION WATER TEST**

**General Information**

Customer: PRIMEXX OPERATING Date: 7/31/2011  
 Sales Order #: KOLARIC #3-1 Time: 7/31/2011  
 Lease Name & #: KOLARIC #3-1 Water Source: Tank  
 Employee Name Bobby Lewis

**Test Results Sample #1**

	Field	Lab	Standards
Temp	<u>85</u> ° F	<u>      </u> ° F	Max Temp 120° F
pH	<u>7.0</u>	<u>      </u>	6.0 - 8.0
Sulfates	<u>50</u> mg/L	<u>      </u> mg/L	Less Than 2000 mg/L
Chlorides	<u>200</u> mg/L	<u>      </u> mg/L	Less Than 3000 mg/L
Tanin & Lignin	<u>N</u> Y/N	<u>      </u> Y/N	No Trace
Bicarbonates	<u>XXXXXXXXXX</u>	<u>      </u> mg/L	Less Than 500 mg/L

**Test Results Sample #2**

	Field	Lab	Standards
Temp	<u>      </u> ° F	<u>      </u> ° F	Max Temp 120° F
pH	<u>      </u>	<u>      </u>	6.0 - 8.0
Sulfates	<u>      </u> mg/L	<u>      </u> mg/L	Less Than 2000 mg/L
Chlorides	<u>      </u> mg/L	<u>      </u> mg/L	Less Than 3000 mg/L
Tanin & Lignin	<u>      </u> Y/N	<u>      </u> Y/N	No Trace
Bicarbonates	<u>XXXXXXXXXX</u>	<u>      </u> mg/L	Less Than 500 mg/L

**Test Results Sample #3**

	Field	Lab	Standards
Temp	<u>      </u> ° F	<u>      </u> ° F	Max Temp 120° F
pH	<u>      </u>	<u>      </u>	6.0 - 8.0
Sulfates	<u>      </u> mg/L	<u>      </u> mg/L	Less Than 2000 mg/L
Chlorides	<u>      </u> mg/L	<u>      </u> mg/L	Less Than 3000 mg/L
Tanin & Lignin	<u>      </u> Y/N	<u>      </u> Y/N	No Trace
Bicarbonates	<u>XXXXXXXXXX</u>	<u>      </u> mg/L	Less Than 500 mg/L

Remarks:

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# SUPERIOR WELL SERVICES

WEST-AUG-10a-SALES & SERVICE TICKET

TICKET

41- 00000

DATE

7/31/2011

PAGE

1 of 1

CHARGE TO

PRIMEXX OPERATING

LEASE NAME OR PROJECT

KOLARIC #3-1

ADDRESS

4849 GREENVILLE AVE SUITE 1600

STATE

KS

COUNTY

HARPER

ADDRESS

DALLAS TEXAS, 75206

FIELD

SEC. 3-35S-5W

WELL PERMIT NUMBER

OWNER

PRIMEXX OPERATING

SERVICE ENGINEER

Bobby Lewis

AFE / PURCHASE ORDER / CONTRACT / REFERENCE

JOB TYPE

5.5 PRODUCTION

ON LOCATION

TIME

6:00

COMPLETED

TIME

DATE

7/31/2011

DATE

7/31/2011

SIGNATURE

X

NAME (PLEASE PRINT)

JERRY OGLE

I have read, understood and agreed to the terms and conditions printed on the reverse side hereof which include, but are not limited to, LIMITED WARRANTY, INDEMNITY, RELEASE and PAYMENT and represent that I have full power and authority to execute this agreement.

LOC	ITEM REFERENCE	QTY	DESCRIPTION	DISC ACCT	UNIT PRICE	AMOUNT
-	20-200-0001	300	Mileage DOT Units - Cmt - per unit, per mile, one way	69.00	7.60	2,280.00
-	20-200-0002	150	Mileage non-DOT Units -Cmt - per unit, per job	69.00	4.30	645.00
-	20-220-0055	1	Depth Pumped 5,001' to 5,500' - first 4 hours, per unit	69.00	4,410.00	4,410.00
-	20-299-0008	1	AccuDat Recording System- each, per job	69.00	1,230.00	1,230.00
-	20-299-0010	1	High Energy Mix System (HEMS) - each, per job	69.00	746.00	746.00
-	20-200-0008	30,000	Bulk Cement Delivery - per sack, per one way mile	69.00	0.18	5,400.00
-	20-215-0001	200	Bulk Blending Service - per sack	69.00	3.20	640.00
-	20-299-0007	1	Plug Container HP or Double - each, per job	69.00	710.00	710.00
-	50-760-0055	1	Rubber Plug Top 5-1/2 - each	69.00	223.00	223.00
-	25-315-0020	10	No Foam 2 - per gallon	69.00	141.00	1,410.00
-	25-305-2000	200	Cement-Premium "H" - per sack	69.00	45.75	9,150.00
-	25-300-0003	1,639	Sodium Chloride-Salt (NaCl) - per pound	69.00	1.07	1,753.73
-	25-315-0001	94	Air Out - per pound	69.00	13.60	1,278.40
-	25-335-0003	1,504	Gilsonite - per pound	69.00	1.50	2,256.00
-	25-300-0001	1,880	Gypsum Cement 60 - per pound	69.00	1.69	3,177.20
-	25-320-0200	113	Super FL-200 - per pound	69.00	26.10	2,949.30
-	20-220-1000	-	Depth Add Hrs - Stand-by - per unit, per hour		514.00	-
-	20-200-0020	-	Delivery Additional Hours - Cmt - per unit, per hour		196.00	-
-	50-775-0055	1	Stop Ring 5-1/2 - each	45.00	77.30	77.30
-	50-740-0055	1	Guide Shoe 5-1/2 - each	45.00	410.00	410.00
-	50-730-0055	1	Float Collar 5-1/2 - each	45.00	1,290.00	1,290.00
-	50-725-0557	15	Centralizer 5-1/2 X 7-7/8 - each	45.00	98.40	1,476.00
-	50-750-0001	2	Thread Lock - each	45.00	153.00	306.00
-	-	-	-	-	-	-
				Continuation Page	\$	-

CUSTOMER OR AGENT SIGNATURE / COMMENTS

X

Subtotal	\$	41,817.93
Special Discount	0.00%	\$ -
Line Item Discounts		\$ (28,000.14)
Special Allowance	\$ -	\$ -
Subtotal	\$	13,817.79
Fuel Surcharges	2.50%	\$ 345.44
<b>AMOUNT DUE ==&gt;</b>	<b>\$</b>	<b>14,163.24</b>

Receipt: The customer or customer's agent acknowledges that the equipment, materials and services were received as listed on this field ticket.

Unless satisfactory credit terms have been established prior to services payment in advance may be required. All invoices rendered for services performed by Superior Well Services shall be paid as indicated on the invoice within thirty days (30) from date of receipt. If not paid within thirty (30) days the unpaid amount is subject to interest at one and one half percent (1 1/2%) per month (eighteen percent per annum). All discounts indicated on the invoice are based upon payment within the invoice payment term and are subject to being cancelled by Superior Well Services if not paid within terms. If it should be necessary to employ an attorney to collect the amount due, you will be held liable for attorneys' fees and collection costs. Superior Well Services, price book is incorporated herein by reference, which also contains all invoice payment terms.

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**BREAK THROUGH**

COMPANY <b>PRIMEXX OPERATING</b>		FACILITY <b>CLINTON</b>		API Number <b>GET FROM CUST.</b>		DATE July 30, 2011			
CONTRACTOR <b>DAN DARLING #1</b>			TOWN <b>KIOWA</b>		STATE <b>KS</b>	LEGAL DESCRIPTION <b>SEC. 3-35S-5W</b>			
LEASE / WELL NUMBER <b>KOLARIC #3-1</b>			Ticket Number <b>41-000000</b>		COUNTY <b>HARPER</b>		MILEAGE ONE WAY <b>150</b>		
DIRECTIONS <b>HWY 11 &amp; RED HILL ROAD - GO 13 MILES NORTH TO THE KANSAS STATE LINE ( THERE WILL BE A "T" ) - GO 1/2 MILE EAST ON CR SE 106 TO BLUFF RD - GO 2 MILES NORTH ON BLUFF RD TO SE 90 - GO 1.75 MILES EAST ON SF 90 NORTH INTO LOCATION</b>									
Pumping Services	<input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input checked="" type="checkbox"/> Longstring <input type="checkbox"/> Plug Back <input type="checkbox"/> Conductor <input type="checkbox"/> Liner <input type="checkbox"/> Squeeze <input type="checkbox"/> Acid <input type="checkbox"/> PTA <input type="checkbox"/> Other <input type="checkbox"/> H2S								
	Casing Size/Weight	Thread	Tbng/DP Size	Thread	Plug. Cont.	Swage	Top Plug	Bottom Plug	% Excess
	<b>5 1/2" 15.5#</b>	<b>8RD</b>			<b>X</b>	<b>X</b>	<b>X</b>		<b>25</b>
	Number and Type Units <b>1 - PUMP TRUCK, 1 - BULK TRUCK</b>						BHST <b>134</b>	BHCT <b>109</b>	Hole Size <b>7 7/8</b>
Remarks <b>HAVE A SAFE JOB!</b>						Depth-TMD <b>5,300</b>	Depth-TVD <b>5300</b>	Mud Weight/Type <b>9.0# WBM</b>	
Cementing Materials	CEMENT	# of Sacks	Type		Additives				
		<b>25</b>	<b>CLASS H</b>		<b>10 % SALT (NACL) ( BWOW) + 10 % GYPSUM- 60 + 0.5 % AIR OUT + 0.6 % SUPER FL -200 + 8 LB/SK GILSONITE</b>				
		Weight PPG	Yield Ft <sup>3</sup> /Sk	Water Gal/Sk					
		<b>12.0</b>	<b>2.87</b>	<b>15.88</b>		<b>71                      12.7 Bbls</b>			
		# of Sacks	Type		Additives				
		<b>225</b>	<b>CLASS H</b>		<b>10 % SALT (NACL) ( BWOW) + 10 % GYPSUM- 60 + 0.5 % AIR OUT + 0.6 % SUPER FL -200 + 8 LB/SK GILSONITE</b>				
	Weight PPG	Yield Ft <sup>3</sup> /Sk	Water Gal/Sk						
	<b>13.8</b>	<b>1.83</b>	<b>8.4</b>		<b>411                      73.3</b>				
	# of Sacks	Type		Additives					
Weight PPG	Yield Ft <sup>3</sup> /Sk	Water Gal/Sk							
Spacer or Flush	Quantity	Type		REMARKS					
Spacer or Flush	Quantity	Type		Additives					
Other	Quantity	Type		Additives					
	<b>124 BBL</b>	<b>FRESH WATER</b>		<b>DISPLACEMENT (ALWAYS REFIGURE ON LOCATION)</b>					
Remarks/HSE	<b>TAKE 5 1/2 PLUG CONTAINER + MANIFOLD + 8RD BOWEL + TAKE TOP RUBBER PLUG + TAKE 10 GALS OF NO FOAM + TALK TO CUSTOMER ABOUT PROCEDURES</b>								
Sales Items	Casing Size	Casing Weight		Thread					
	<b>5 1/2</b>	<b>15.5</b>		<b>8 RD</b>		<b>DEC 02 2011</b>			
	Guide Shoe	Float Shoe		Float Collar		Insert Float Valve			
	<b>1</b>			<b>1</b>					
	Centralizers - Number	Size		Type					
	<b>15</b>	<b>5 1/2" X 7 7/8"</b>				<b>KCC WICHITA</b>			
Well Cleaners - Number	Type		MSC (DV Tool)		MSC Plug Set				
Limit Clamps	Weld-A		Other						
<b>1</b>	<b>2</b>								
Remarks									
Customer Rep. <b>JERRY OGLE</b>			Phone Number <b>580-541-9124</b>		Fax	Time of Call <b>WIC</b>			
Call Taken By <b>JOEY BITTEL</b>			Bobby Lewis			Time Ready <b>WIC</b>			

*H2O  
12.7 Bbls*

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*41, 817 93*

# **PRIMEXX**

Operating Corporation

**Travis Wilson**

Exploration Manager, Mid-Continent  
3750 W. Main, Norman OK 73072  
Ph (405)229-6563 Fx (405)321-8577  
email: [travis.wilson@primexx.com](mailto:travis.wilson@primexx.com)

August 1, 2011

Geologic Assessment: **Primexx Kolarik 3-1**

Prospect Area: **Wil-Tex Field**

Location: SE SW 3-35s-5w, Harper County, KS

**Summary:**

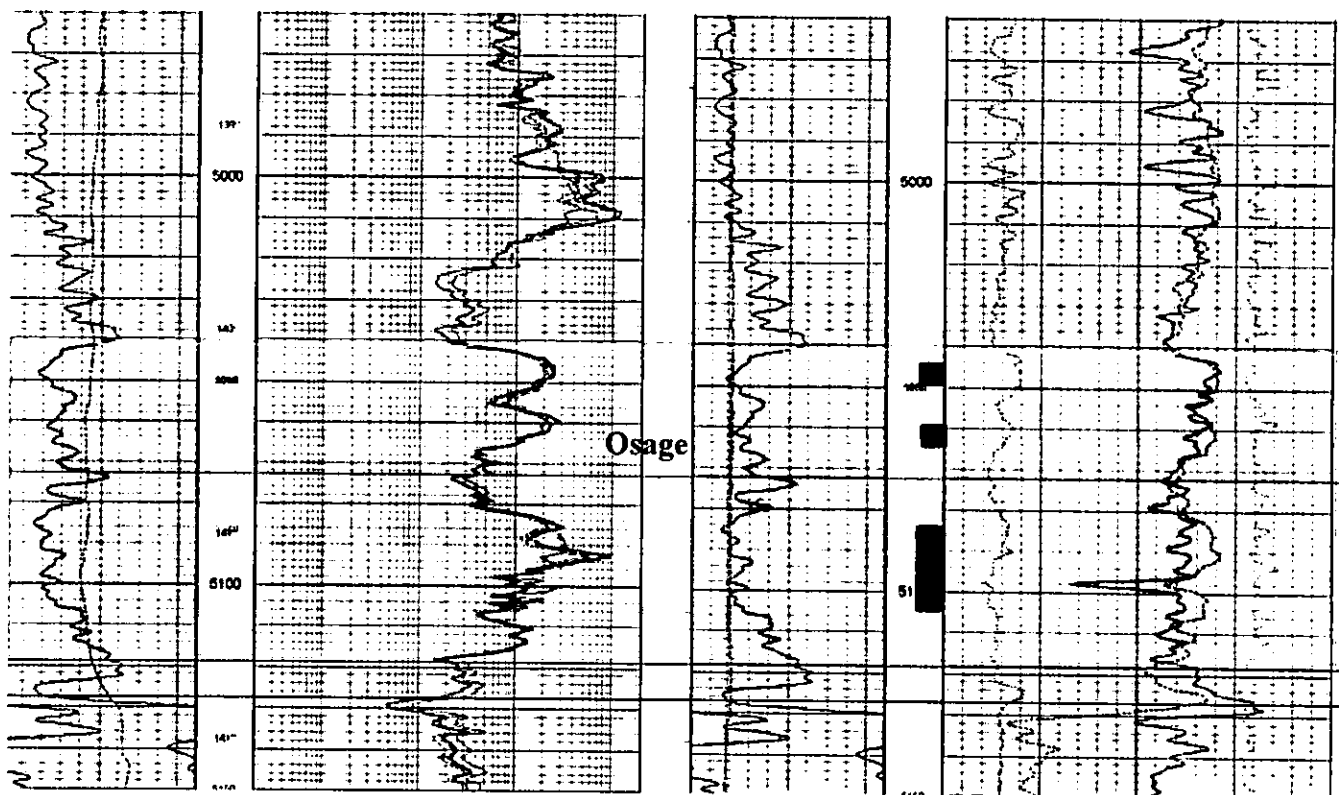
The Kolarik 3-1 TD'd in the Wilcox sand on July 30, 2011 and was logged by Weatherford the same day. This well found ~80ft of probably productive Osage reservoir. No chat or Red Fork zones were found

The next lease expirations are the Greve 33-1 lease (expires in Oct) and the Kolarik 4-1 lease (expires in November). We are planning to drill these wells when the Darling rig comes back in Sept.

The following zones of interest were encountered:

**Mississippian Osage:** (Perf 5045-5050; 5060-5065; 5085-5105) Probably productive, to test

~80ft of the Lyle Osage pay with gas-effected density porosity of 5-89%, very good resistivities mostly greater than 100 ohms, "dirty" gamma ray profile and cherty Pe curve profile, which is consistent with other good Osage wells in the trend. We did not measure a gas increase thru this zone. Samples showed the same black fractured dolomitic chert that we see in Lyle Osage wells.



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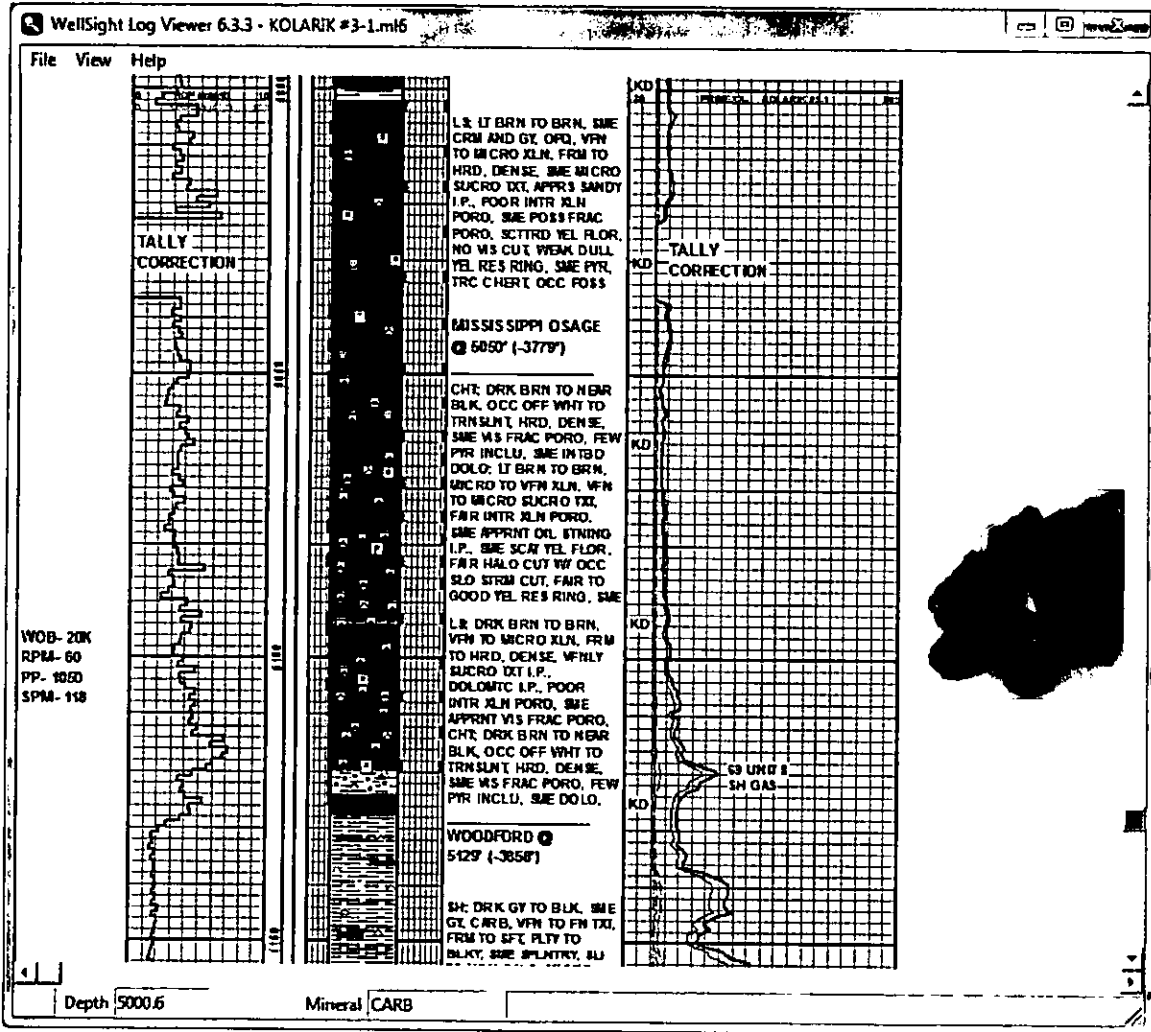
DEC 02 2011

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# PRIMEXX

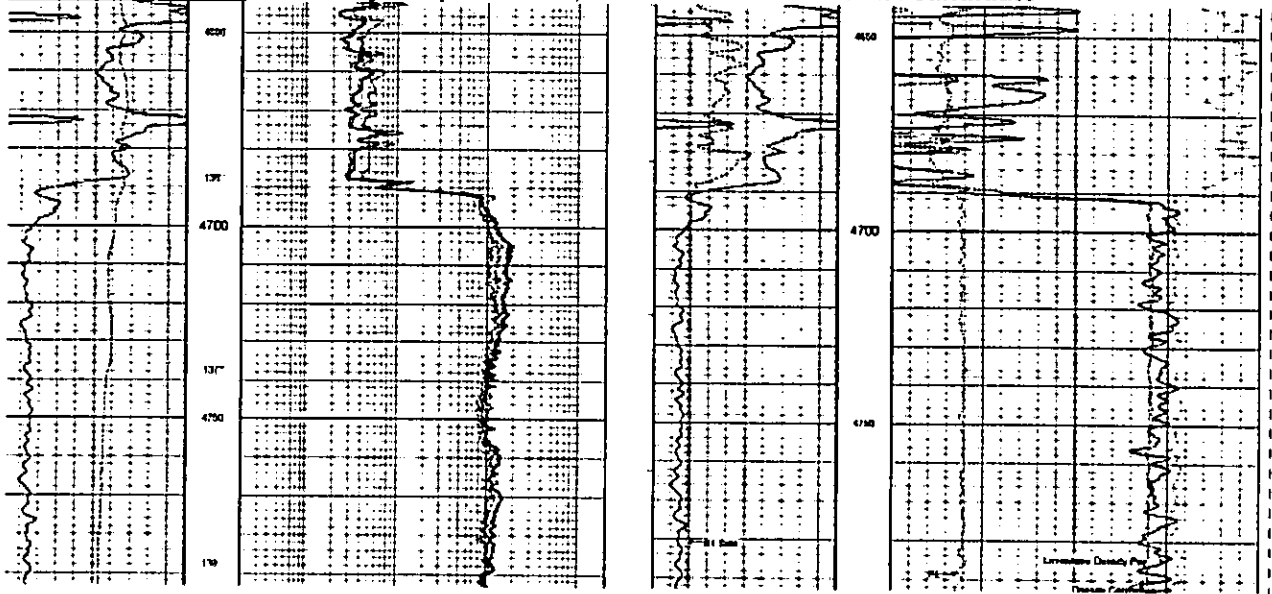
Operating Corporation

**Travis Wilson**  
 Exploration Manager, Mid-Continent  
 3750 W. Main, Norman OK 73072  
 Ph (405)229-6563 Fx (405)321-8577  
 email: [travis.wilson@primexx.com](mailto:travis.wilson@primexx.com)

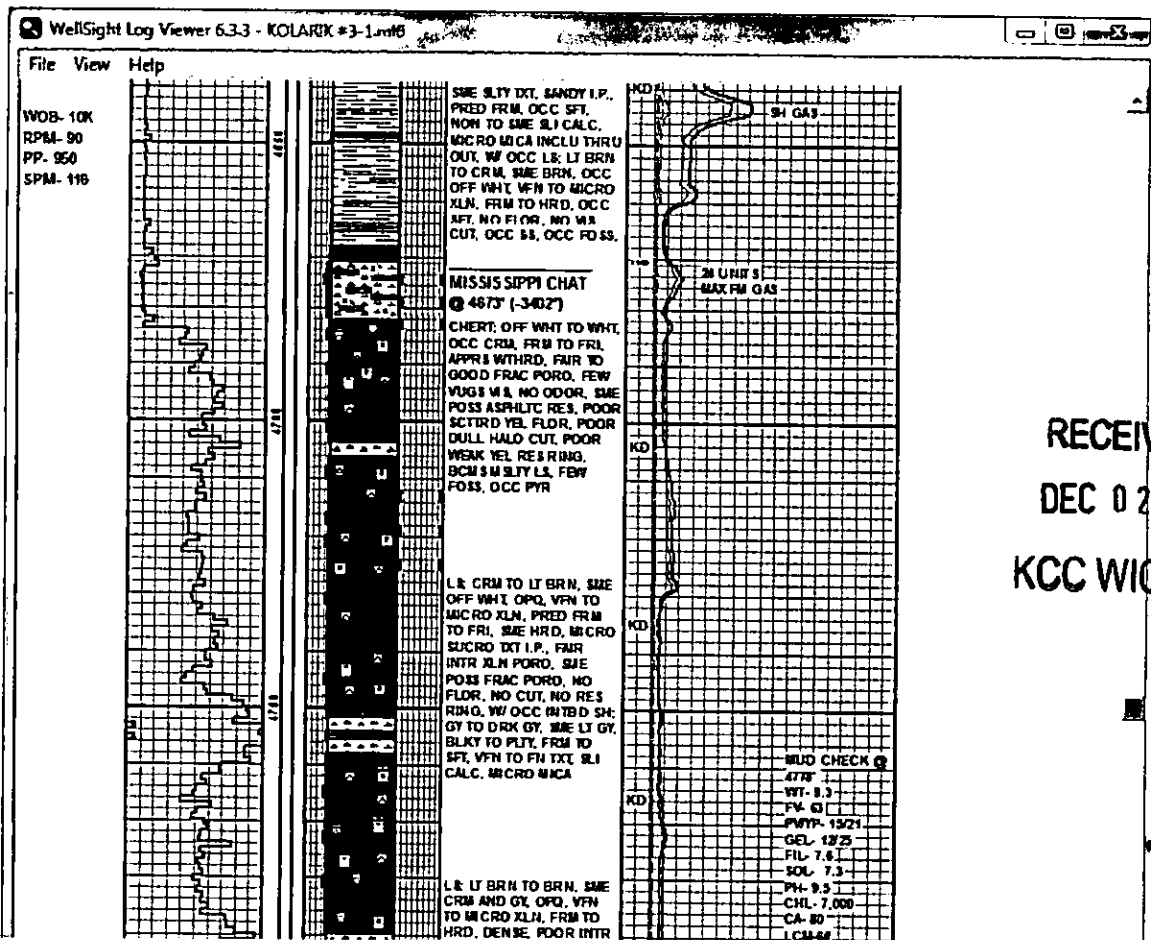


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**Upper Mississippi: Probably not productive, but could be a horizontal candidate**



Zero Chat and a general lack of porosity development in the Upper Miss here. It appears that the top 40ft of the Miss has been eroded off. Chert samples were recovered but no dolomite. A 24unit gas show occurred at the top of the Miss, much lower than we normally see. This zone is a very poor candidate for a vertical completion, but it may be a future target for horizontal drilling.



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**Geological Recommendation:**

The Geological Recommendation, with management concurrence, is to set pipe to TD and complete the Osage. We would like to see results from this well as soon as possible so as to evaluate the area for further lease-saving drilling. **Recommended perfs 5045-5050; 5060-5065; 5085-5105**

Travis Wilson

**Geological Tops for KGS:**

Base Heebner Shale:	3250'
Tonkawa Sand:	3655'
Big Lime:	4320'
Mississippi:	4690'
Woodford:	5130'
Base Woodford:	5200'

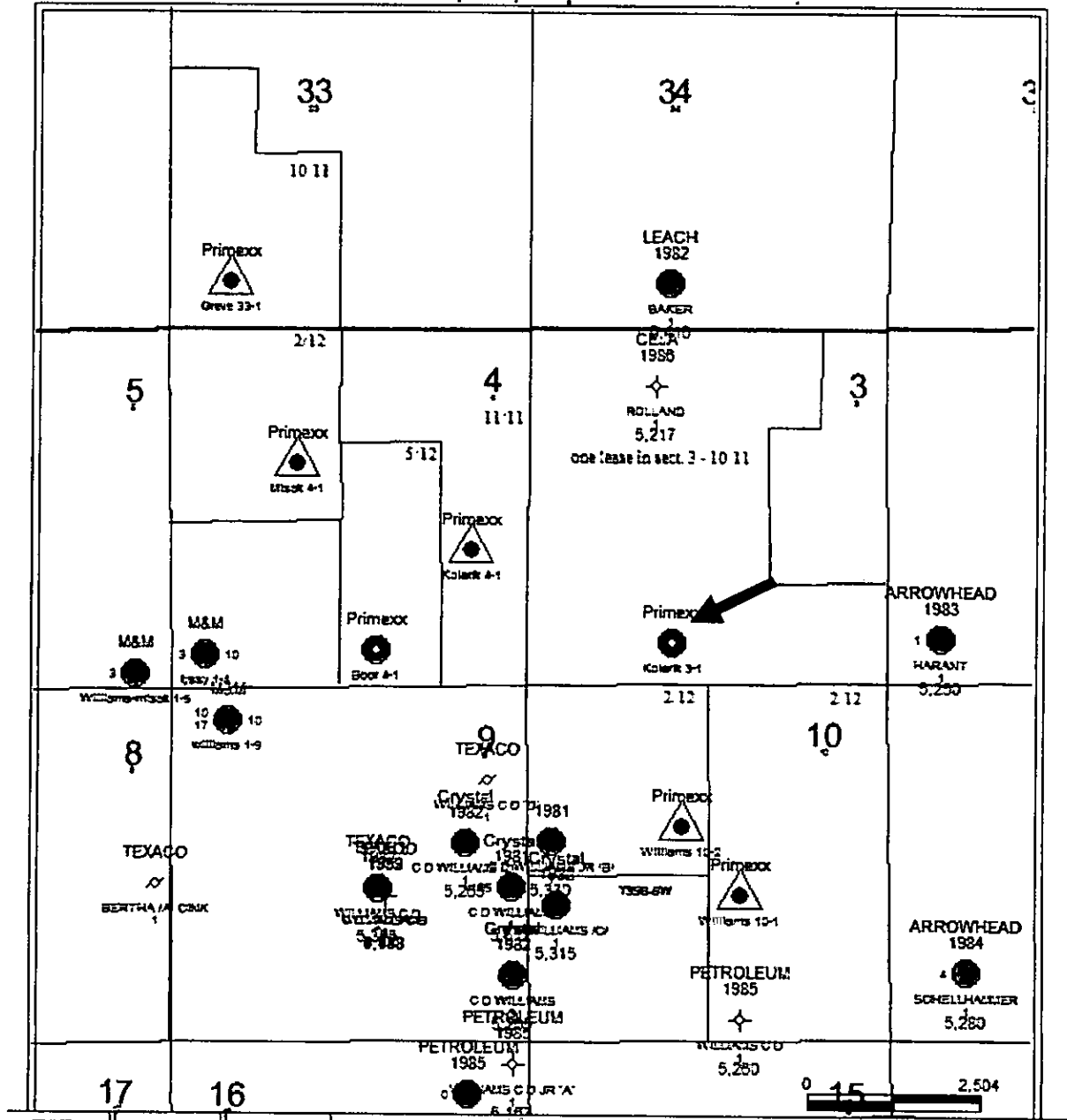
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**Production Map**



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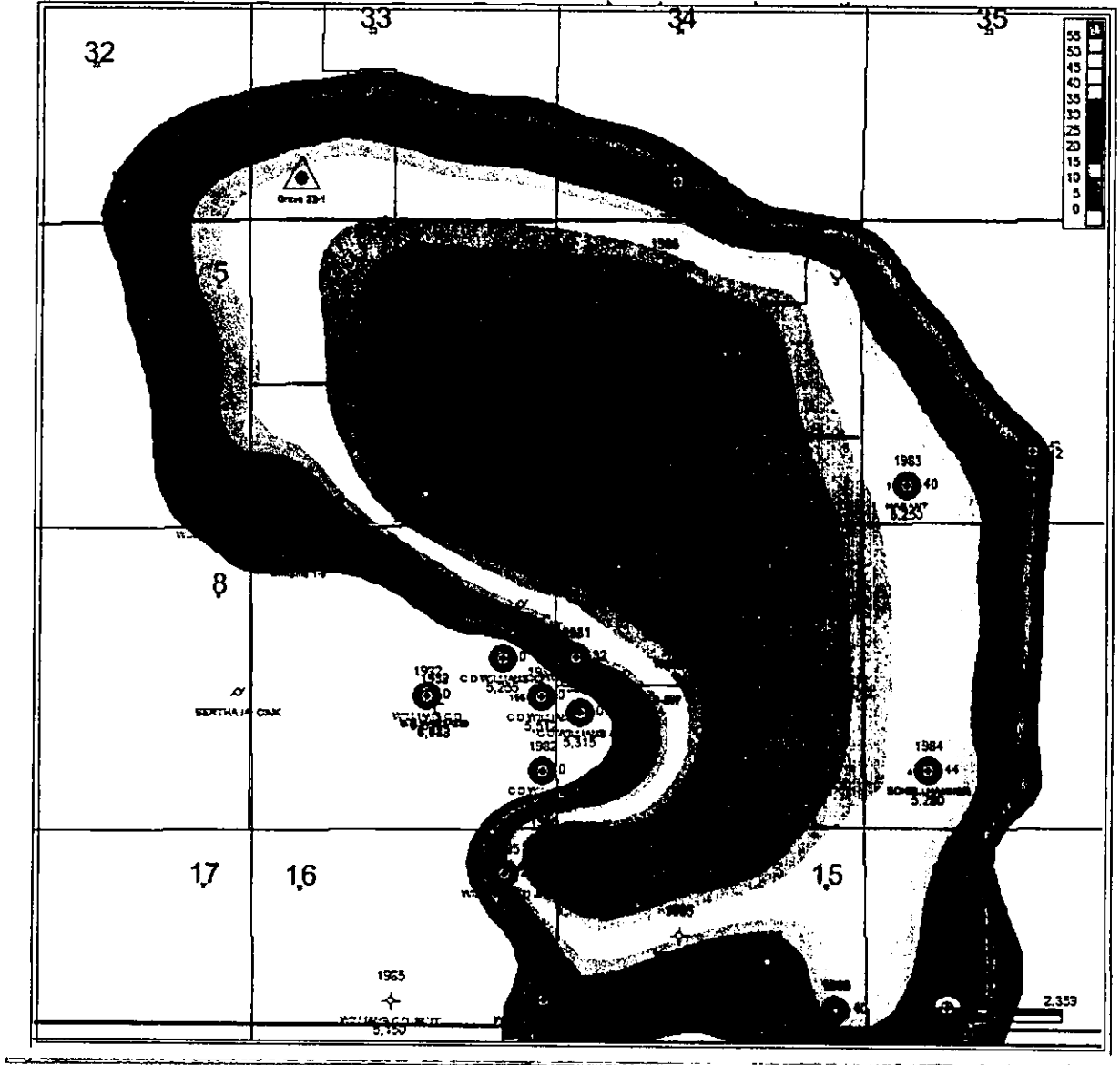


# ***PRIMEXX***

Operating Corporation

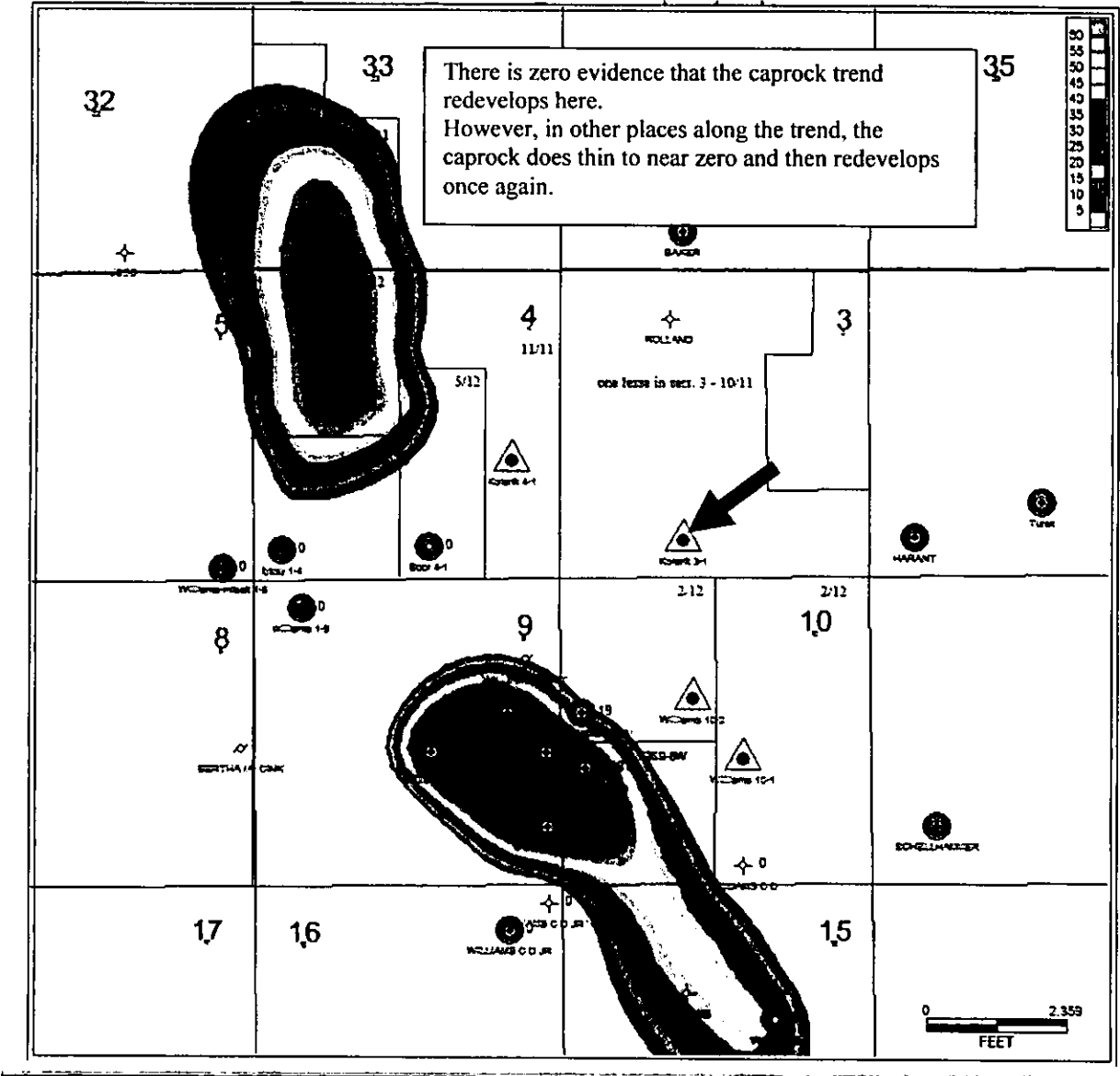
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email: [travis.wilson@primexx.com](mailto:travis.wilson@primexx.com)

## Osage High Productivity Facies Map



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Osage Caprock Map



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