



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1233392
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- 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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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 #: _____

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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1233392

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

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

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

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

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

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

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

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	King Production Service, Inc.
Well Name	Vernice 15-5
Doc ID	1233392

Tops

Name	Top	Datum
Anhydrite	2992	+72
Foraker	3572	-508
Topeka	3794	-730
Oread	3907	-843
LKC "A"	4000	-936
LKC "E"	4200	-1136
Base KC	4288	-1224
TD	4300	



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
FINV
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 271601

Invoice Date: 10/09/2014 Terms: 10/10/10,n/30

Page 1

KING PRODUCTION SERVICE, INC.
502 EAST 7TH AVE
YUMA CO 80759
(970) 630-5469

VERNICE 15-5
5-1S-36W
46690
10/06/2014
KS

Part Number	Description	Qty	Unit Price	Total
1126	OIL WELL CEMENT	150.00	23.7000	3555.00
1110A	KOL SEAL (50# BAG)	750.00	.5600	420.00
1104D	CLASS "A" CEMENT CMD	325.00	27.9200	9074.00
1107	FLO-SEAL (25#)	163.00	2.9700	484.11
1144G	MUD FLUSH (SALE)	500.00	1.0000	500.00
4159	FLOAT SHOE AFU 5 1/2"	1.00	433.7500	433.75
4130	CENTRALIZER 5 1/2"	5.00	61.0000	305.00
4104	CEMENT BASKET 5 1/2"	2.00	290.0000	580.00
4454	5 1/2" LATCH DOWN PLUG	1.00	567.0000	567.00

Sublet Performed	Description	Total
9995-130	CEMENT EQUIPMENT DISCOUNT	-674.50
9996-130	CEMENT MATERIAL DISCOUNT	-1591.88

	Description	Hours	Unit Price	Total
399	SINGLE PUMP	1.00	3175.00	3175.00
399	EQUIPMENT MILEAGE (ONE WAY)	80.00	5.25	420.00
529	TON MILEAGE DELIVERY	1.00	3150.00	3150.00

Amount Due 23921.46 if paid after 10/19/2014

Parts:	15918.86	Freight:	.00	Tax:	1131.84	AR	21529.32
Labor:	.00	Misc:	.00	Total:	21529.32		
Sublt:	-2266.38	Supplies:	.00	Change:	.00		

Signed _____ Date _____



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

King Production Service, Inc.

5-1s-36w Rawlins, KS

502 E 7th Ave
Yuma CO 80759

Vernice #15-5

Job Ticket: 60934

DST#: 1

ATTN: Bob Hopkins

Test Start: 2014.10.02 @ 00:30:00

GENERAL INFORMATION:

Formation: **Oread**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:01:45

Time Test Ended: 08:07:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: **3868.00 ft (KB) To 3915.00 ft (KB) (TVD)**

Total Depth: 3915.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3088.00 ft (KB)

3076.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8934

Inside

Press@RunDepth: 27.31 psig @ 3869.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.02 End Date: 2014.10.02

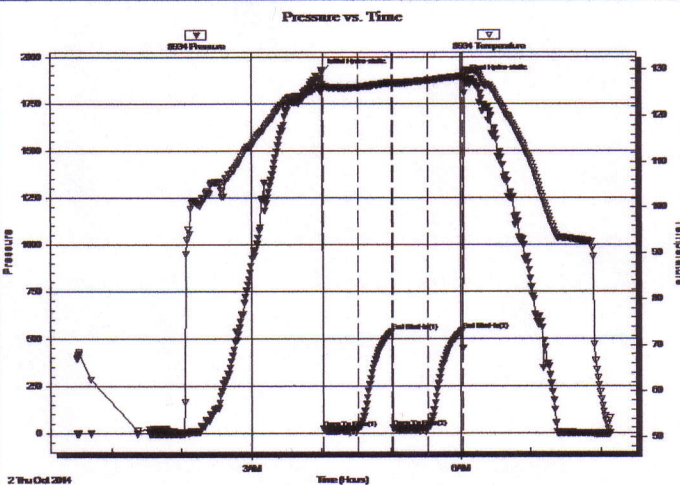
Last Calib.: 2014.10.02

Start Time: 00:30:05 End Time: 08:07:44

Time On Btm: 2014.10.02 @ 04:01:00

Time Off Btm: 2014.10.02 @ 06:03:15

TEST COMMENT: IF-1/4" blow died in 25 min
ISI-No blow
FF-No blow
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1916.43	126.85	Initial Hydro-static
1	24.02	126.26	Open To Flow (1)
31	23.58	126.15	Shut-In(1)
60	542.15	127.07	End Shut-In(1)
61	27.85	127.02	Open To Flow (2)
91	27.31	127.58	Shut-In(2)
120	544.38	128.57	End Shut-In(2)
123	1881.57	129.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud	0.15

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

King Production Service, Inc.

5-1-36, Rawlins, KS

502 E 7th Ave
Yuma CO 80759

Vernice #15-5

Job Ticket: 60935

DST#: 2

ATTN: Bob Hopkins

Test Start: 2014.10.02 @ 22:30:00

GENERAL INFORMATION:

Formation: **KC "A-B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:07:00

Time Test Ended: 06:57:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **3985.00 ft (KB) To 4060.00 ft (KB) (TVD)**

Total Depth: 4060.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3088.00 ft (KB)

3076.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8934

Inside

Press@RunDepth: 525.89 psig @ 3986.00 ft (KB)

Start Date: 2014.10.02

End Date: 2014.10.03

Capacity: 8000.00 psig

Last Calib.: 2014.10.03

Start Time: 22:30:00

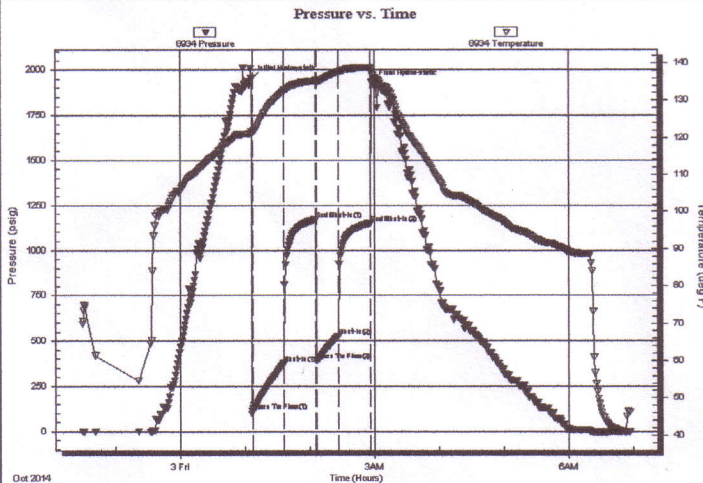
End Time: 06:57:30

Time On Btm: 2014.10.03 @ 01:06:15

Time Off Btm: 2014.10.03 @ 02:58:30

TEST COMMENT: IF-BOB in 2min
IS-BOB in 13min
FF-BOB in 2min
FSI-4in blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1951.51	121.56	Initial Hydro-static
1	114.28	121.47	Open To Flow (1)
30	377.05	132.51	Shut-In(1)
60	1171.94	135.26	End Shut-In(1)
61	389.71	135.06	Open To Flow (2)
81	525.89	137.60	Shut-In(2)
111	1150.57	138.78	End Shut-In(2)
113	1924.20	136.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	GMCO 20%G 60%O 20%M	0.89
1330.00	GO 25%G 75%O	17.97

* Recovery from multiple tests

Gas Rates

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

1075
185

ROBERT T. HOPKINS, L.G., C.P.G.
709 Harold Ave.
Salina, Kansas 67401
cell (785) 819-2460

October 8, 2014

Rick King
King Production Services, Inc.
502 E. 7th
Yuma, Colorado 80759-2840

*King Production Services, Inc. – Vernice 15-5, Section 5, T1S, R36W,
Rawlins County, Ks.*

Rick:

Attached to this summary letter is my lithologic log for the above-captioned well. Based on the excellent oil recovery from the LKC A / B DST (#2), operator has elected to cement production casing for testing.

Significant sample shows and overall quality were as follows (log corrected depths *):

Admire (?) Ls.	3716-3719'	poor
Oread Ls.	3907-3911'	fair (DST #1 – recovered mud)
LKC A	4000-4005'	good (DST #2 – recovered oil)
LKC B	4056-4060'	fair to poor (DST #2)
LKC B2	4078-4082'	good
LKC C	4108-4114'	fair
LKC E	4200-4202'	very poor

*the open-hole log was unable to reach RTD, so the deepest formation shown on the log was the LKC C zone.

I would recommend perforating the LKC C and B2 zones in addition to (prior to ?) the LKC A and possibly B zones. It appears likely that the oil recovered from DST #2 was from the LKC A zone. This conclusion is based on the better show in cuttings and the better porosity/microlog response in the LKC A zone.

Following is a log top comparison of your well to the Prospect #2 Deyle and the Advantage Spears oil well logs. These wells are located south and north (respectively) of the subject well:

*Note that your hand-held GPS unit indicated the Vernice 15-5 GL had been elevated 7 ft compared to the RLS surveyed GL during the location construction process. Therefore, I corrected log tops below to the new **KB elevation of 3064'**. However, the Pioneer O-H logs do not reflect the correction (which was discovered after logging):*

LOG TOP COMPARISON:

<u>Formation</u>	<u>Vernice 15-5 O-H log tops</u>	<u>comp to Deyle 2 O-H log tops</u>	<u>comp to Spears O-H log tops</u>
Anhydrite	2992(+72)	-16 (+88)	-1 (+73)
Foraker Ls.	3572(-508)	-12 (-496)	+3 (-511)
Topeka Ls.	3794(-730)	-11 (-719)	+17 (-747)
Oread Ls.	3907(-843)	-16 (-827)	+2 (-845)
LKC "A"	4000(-936)	-12 (-924)	+7 (-943)
LKC "E"	4200(-1136)**	-13 (-1123)	+3 (-1139)
Base KC	4288(-1224)**	-11 (-1213)	+9 (-1233)
RTD 4300'			

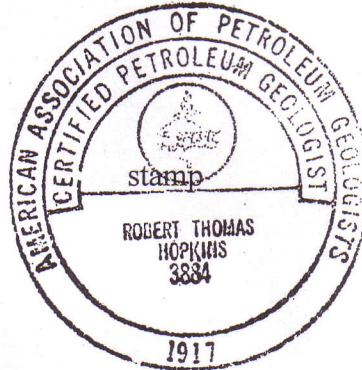
If you have any questions, please call me at 785-819-2460. Thank you for this opportunity to serve you!

Sincerely,



Robert T. Hopkins, L.G., C. P. G.

attachments





CONSOLIDATED
Oil Well Services, LLC

271601

TICKET NUMBER 46690

LOCATION Oakley Ks

FOREMAN Jerry Miles

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
10-6-14	4500	Vernice 15-5	5	15	36W	Rawlins	
CUSTOMER <u>King Rec</u>			MCDONALD				
MAILING ADDRESS <u>502 EAST 7th Ave.</u>			N15M Winto				
CITY <u>YUMA</u>		STATE <u>CO</u>	ZIP CODE <u>80759</u>				
TRUCK #		DRIVER		TRUCK #		DRIVER	
<u>399</u>		<u>Michael R</u>		<u>529-T127</u>		<u>LANCE R</u>	
<u>assist</u>		<u>Larry H</u>					

JOB TYPE longstring HOLE SIZE 7 7/8 HOLE DEPTH 4300 CASING SIZE & WEIGHT 5 1/2 15.5#
 CASING DEPTH 4269 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.2/10 SLURRY VOL 1.42/2.9 WATER gal/sk _____ CEMENT LEFT in CASING 21'
 DISPLACEMENT 101 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Salty meeting & rig up on H2 rig 2 run float eqpt. centralizers on 1, 4, 7, 10, 28, baskets on 2 30 run casing to bottom, circulate 1 hr pump 5 H2 ahead mix mud flush 5bbl spacer mix 275 sks CMD with 1/2# flo seal lead & tail in 150 sks OWC with 5# Kolsal shut down release plug wash pump & line & displace with 101 bbl H2O plug landed @ 2000# with final lift of 1500# released back & float held circulated approx 30 bbl to pit

20 sks mh 30 sks Rh

Thank you Jerry Miles & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401c	1	PUMP CHARGE	3175 ⁰⁰	3175 ⁰⁰ ✓
5406	80	MILEAGE	5 ²⁵	420 ⁰⁰ ✓
5407A	22 1/2	ton mileage delivery	1 ³⁵	3150 ⁰⁰ ✓
1126	150 sks	OWC	23 ⁷⁰	3555 ⁰⁰ ✓
1110A	750 #	Kolsal	56	420 ⁰⁰ ✓
1104D	325 sks	CMD	27 ⁹²	9074 ⁰⁰ ✓
1107	163 #	flo seal	292	484 ¹¹ ✓
1144g	500 gal	mud flush	1 ⁰⁰	500 ⁰⁰ ✓
4159	1	5 1/2 AFU Floatshoe (W)	433 ⁷⁵	433 ⁷⁵ ✓
4130	5	5 1/2 centralizers	61 ⁰⁰	305 ⁰⁰ ✓
4104	2	5 1/2 baskets	290 ⁰⁰	580 ⁰⁰ ✓
4454	1	5 1/2 latchdown assy (W)	567 ⁰⁰	567 ⁰⁰ ✓
			sub total	22663 ⁸⁶
			less 10% disc	2266 ³⁸
			545 total	20397 ⁴⁸
			SALES TAX	1131 ⁸⁴
			ESTIMATED TOTAL	21529 ³²

Revin 3737

AUTHORIZATION Debra Kay

TITLE PRESIDENT

DATE 10/7/14

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.