



CONSOLIDATED
Oil Well Services, LLC

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

TICKET NUMBER 51535
LOCATION Oakley #5
FOREMAN Jerdy V

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-15-16	5666	Hunt Bros #2	23	175	34w	Scott
CUSTOMER			K5			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			753	Miles S		
STATE			772 T129	Keith C		
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 245 CASING SIZE & WEIGHT 8 5/8 23.8
 CASING DEPTH 245 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL 1.24 WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 1484 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Justly met rig & rig up on W02 break circulation mix 165 sks
surface blend III wash with displace with 14 1/4 bbl fresh water & shuffin circulated
approx 4 bbl to pit

cement
did circulate ☺

Thank you
Jerdy crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0971	1	PUMP CHARGE	1150 ⁰⁰	1150 ⁰⁰
CE0002	30	MILEAGE	75	2145 ⁰⁰
CE0711	7.76	tan mileage delivery min	660 ⁰⁰	660 ⁰⁰
CC5871	165.5KS	surface blend III	23 ⁰⁰	3795 ⁰⁰
			Subtotal	5819 ⁵⁰
			-456	2618 ⁷⁸
			Subtotal	3200 ⁷²
			SALES TAX	
			ESTIMATED	
			TOTAL	

Ravin 3737

AUTHORIZATION [Signature] TITLE _____ DATE _____

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

PIPE



TALLY

DATE 8-15 20 16

PAGE 1 OF 1

CUSTOMER Northwest LEASE & WELL NO. Hunt Bros. #2

USED/NEW COND A SIZE 2 1/2 WT 53 GRD 3 THD 1 1/2 R- 3

MFG _____ ORDER BY Andy SHIP VIA W

#	FT.	IN.	#	FT.	IN.	#	FT.	IN.	#	FT.	IN.	#	FT.	IN.	#	FT.	IN.			
1	12	30	26			51			76			101			126			151		
2		50	27			52			77			102			127			152		
3		50	28			53			78			103			128			153		
4		50	29			54			79			104			129			154		
5		50	30			55			80			105			130			155		
6	27	90	31			56			81			106			131			156		
7			32			57			82			107			132			157		
8			33			58			83			108			133			158		
9			34			59			84			109			134			159		
10			35			60			85			110			135			160		
11			36			61			86			111			136			161		
12			37			62			87			112			137			162		
13			38			63			88			113			138			163		
14			39			64			89			114			139			164		
15			40			65			90			115			140			165		
16			41			66			91			116			141			166		
17			42			67			92			117			142			167		
18			43			68			93			118			143			168		
19			44			69			94			119			144			169		
20			45			70			95			120			145			170		
21			46			71			96			121			146			171		
22			47			72			97			122			147			172		
23			48			73			98			123			148			173		
24			49			74			99			124			149			174		
25			50			75			100			125			150			175		
T	27	90	T			T			T			T			T			T		

TALLIED BY _____ TOTAL JTS 6 TOTAL FOOTAGE 2790

SPECIAL INSTRUCTIONS _____

ORIGINAL TO REMAIN IN BOOK - DUPLICATE TO BE ATTACHED TO CUSTOMER'S INVOICE - TRIPLICATE TO BE GIVEN TO CUSTOMER'S REPRESENTATIVE AT TIME OF DELIVERY.



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
HuntBros2Dst1

Company Nor-West Kansas Oil, LLC Lease & Well No. Hunt Bros. No. 2
Elevation 3108 KB Formation Marmaton Effective Pay Ft. Ticket No. RR231
Date 8-21-16 Sec. 23 Twp. 17S Range 34W County Scott State Kansas
Test Approved By Sean P. Deenihan Diamond Representative Ricky Ray

Formation Test No. 1 Interval Tested from 4,383 ft. to 4,512 ft. Total Depth 4,512 ft.
Packer Depth 4,378 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 4,383 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,371 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,484 ft. Recorder Number 8471 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor WW Drilling, LLC - Rig 2 Drill Collar Length 119 ft. I.D. 2 1/4 in.
Mud Type Chemical Viscosity 117 Weight Pipe Length ft. I.D. in.
Weight 9.2 Water Loss 9.2 cc. Drill Pipe Length 4,232 ft. I.D. 3 1/2 in.
Chlorides 10,000 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 12 Anchor Length 34' perf. w/95' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: 1/2 in. blow increasing. Off bottom of bucket in 18 3/4 mins. No blow back during shut-in.

2nd Open: 1/4 in. blow increasing. Off bottom of bucket in 22 mins. No blow back during shut-in.

Recovered 161 ft. of watery mud = 2.291030 bbls. (Grind out: 30%-water; 70%-mud)

Recovered 126 ft. of muddy water = 1.792980 bbls. (Grind out: 70%-water; 30%-mud)

Recovered 119 ft. of mud cut water = .585480 bbls. (Grind out: 90%-water; 10%-mud)

Recovered 406 ft. of TOTAL FLUID = 4.669490 bbls.

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 97%-water; 3%-mud (Chlorides: 25,000 Ppm PH: 7.0 RW: .58 @ 80°)

Time Set Packer(s) 8:16 P.M. Time Started off Bottom 10:16 P.M. Maximum Temperature 120°
Initial Hydrostatic Pressure.....(A) 2118 P.S.I.
Initial Flow Period.....Minutes 30 (B) 26 P.S.I. to (C) 147 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 1170 P.S.I.
Final Flow Period.....Minutes 30 (E) 153 P.S.I. to (F) 233 P.S.I.
Final Closed In Period.....Minutes 30 (G) 1146 P.S.I.
Final Hydrostatic Pressure.....(H) 2052 P.S.I.



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
HuntBros2Dst2

Company Nor-West Kansas Oil, LLC Lease & Well No. Hunt Bros. No. 2
Elevation 3108 KB Formation Altamont/Pawnee Effective Pay _____ Ft. Ticket No. RR232
Date 8-22-16 Sec. 23 Twp. 17S Range 34W County Scott State Kansas
Test Approved By Sean P. Deenihan Diamond Representative Ricky Ray

Formation Test No. 2 Interval Tested from 4,504 ft. to 4,576 ft. Total Depth 4,576 ft.
Packer Depth 4,499 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,504 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,492 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,542 ft. Recorder Number 8471 Cap. 5,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor WW Drilling, LLC - Rig 2 Drill Collar Length 119 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 60 Weight Pipe Length _____ ft I.D. _____ in.
Weight 8.9 Water Loss 10.5 cc. Drill Pipe Length 4,353 ft I.D. 3 1/2 in.
Chlorides 9,200 P.P.M. Test Tool Length 32 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 12 Anchor Length 40' perf. w/32' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 1/4 in. in 30 mins. No blow back during shut-in.

2nd Open: No blow increasing to a weak, surface blow in 15 mins. No blow back during shut-in.

Recovered 15 ft. of mud = .073800 bbls. (Grind out: 100%-mud)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 100%-mud w/a few oil specks

Time Set Packer(s) 1:10 P.M. Time Started off Bottom 2:25 P.M. Maximum Temperature 110°
Initial Hydrostatic Pressure.....(A) 2154 P.S.I.
Initial Flow Period.....Minutes 30 (B) 15 P.S.I. to (C) 23 P.S.I.
Initial Closed In Period.....Minutes 15 (D) 303 P.S.I.
Final Flow Period.....Minutes 15 (E) 22 P.S.I. to (F) 24 P.S.I.
Final Closed In Period.....Minutes 15 (G) 270 P.S.I.
Final Hydrostatic Pressure (H) 2153 P.S.I.



DIAMOND TESTING, LLC
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 HuntBros2Dst3

Company Nor-West Kansas Oil, LLC Lease & Well No. Hunt Bros. No. 2
 Elevation 3108 KB Formation Atoka Effective Pay Ft. Ticket No. RR233
 Date 8-24-16 Sec. 23 Twp. 17S Range 34W County Scott State Kansas
 Test Approved By Sean P. Deenihan Diamond Representative Ricky Ray

Formation Test No. 3 Interval Tested from 4,748 ft. to 4,772 ft. Total Depth 4,888 ft.
 Packer Depth 4,743 ft. Size 6 3/4 in. Packer Depth 4,772 ft. Size 6 3/4 in.
 Packer Depth 4,748 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Depth of Selective Zone Set 4,772 ft.

Top Recorder Depth (Inside) 4,736 ft. Recorder Number 0062 Cap. 5,000 psi.
 Bottom Recorder Depth (Outside) ft. Recorder Number Cap. psi.
 Below Straddle Recorder Depth 4,869 ft. Recorder Number 8471 Cap. 5,000 psi.

Drilling Contractor WW Drilling, LLC - Rig 2 Drill Collar Length 119 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 60 Weight Pipe Length ft I.D. in.
 Weight 9.1 Water Loss 10.5 cc. Drill Pipe Length 4,597 ft I.D. 3 1/2 in.
 Chlorides 9,700 P.P.M. Test Tool Length 32 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 12 Anchor Length 24' perf. w/116' tail pipe Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: No blow increasing to a very weak, surface blow. No blow back during shut-in.

2nd Open: Pulled tool.

Recovered 10 ft. of oil specked mud = .049200 bbls. (Grind out: 100%-mud w/oil specks)
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks Tool Sample Grind Out: 100%-mud w/a few oil specks
Below Straddle Recorder: 2381 PSI

Time Set Packer(s) 6:15 A.M. Time Started off Bottom 6:45 A.M. Maximum Temperature 122°
 Initial Hydrostatic Pressure.....(A) 2350 P.S.I.
 Initial Flow Period.....Minutes 15 (B) 13 P.S.I. to (C) 35 P.S.I.
 Initial Closed In Period.....Minutes 15 (D) 1294 P.S.I.
 Final Flow Period.....Minutes 0 (E) P.S.I. to (F) P.S.I.
 Final Closed In Period.....Minutes 0 (G) P.S.I.
 Final Hydrostatic Pressure.....(H) 2350 P.S.I.