



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 37284  
LOCATION Oakley, KS  
FOREMAN Tommy Shaw

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
11-8-12	56606	Sleeping Indian #1	13	175	340	Scott
CUSTOMER	Nor-West Kansas Oil					
MAILING ADDRESS						
CITY	STATE	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
			463	Curry D		
			653	Traavis W		

JOB TYPE PTA HOLE SIZE 7 7/8" HOLE DEPTH 4797' CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.8 SLURRY VOL 1.40 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meetings and rig up on WW drilling the 2 plugs as ordered  
1<sup>st</sup> 52 SKS @ 240'  
2<sup>nd</sup> 80 SKS @ 1430'  
2<sup>nd</sup> 40 SKS @ 1680'  
4<sup>th</sup> 52 SKS @ 270'  
5<sup>th</sup> 20 SKS @ 600'  
RH 30 SKS / 144H 205 SKS

Thanks Mills & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405W	1	PUMP CHARGE	1225.00	1225.00
5406	35	MILEAGE	5.00	175.00
5407A	12.47 tons	Tom Mileage delivery	11.17	138.87
1131	290 SKS	60# H <sub>2</sub> O 202 cement	15.10	4399.00
1188	997 #	Bentonafo gel	.25	249.25
1167	72 #	Flt Seal	2.82	203.04
		Subtotal		7060.16
		less 10% discount		7060.16
		Subtotal		7060.01
		Subtotal		6354.15
		SALES TAX		
		ESTIMATED TOTAL		

Authorization Tommy Shaw TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 Revision 3737

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.



**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER **39133**

LOCATION **CAThey**

FOREMAN **Fuz 251**

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

**FIELD TICKET & TREATMENT REPORT**

**CEMENT**

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-10-12	3666	SLEEPING INDIAN	13	17	34	Scott
CUSTOMER	Mailing Address			TRUCK #	DRIVER	TRUCK #
Northwest Kansas Oil LLC				413	COYD	
				693	TIM W	
CITY	STATE	ZIP CODE	CITY			
			WILLIAM			

JOB-TYPE Surge HOLE SIZE 12 1/4 HOLE DEPTH 256' CASING SIZE & WEIGHT 8 1/8  
 CASING DEPTH 256' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.7 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT IN CASING 20'  
 DISPLACEMENT 15 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: SASDI machine on W. end 2. Biss up and circulate with 1755bs  
 class A 30gk 30gk. Displace 15 bal and shut in.  
 Cement did circulate approx 3 BALS @ PIT

THANKS TRUSS  
+ CREW

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1085.00	1085.00
5406	45	MILEAGE	5.00	225.00
5107	8.2 ton	Tow Millage Delivery	161	616.21
11045	1759bs	Class A cement	1762	3088.22
1102	4194#	Calcium Chloride	1.89	4139.66
1118B	329#	Bondicide	1.25	82.25
				5536.84
				5536.88
				4983.21
			SALES TAX ESTIMATED	
			TOTAL	

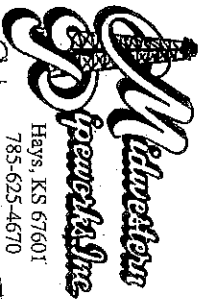
AUTHORIZATION

TITLE

DATE

*Handwritten signature*

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Hays, KS 67601  
785-625-4670

Company

Visit our website [www.midwestpipeworks.com](http://www.midwestpipeworks.com)

# PIPE TALLY

Date

10/31/12

Lease

Sleeping Indian Well #1

Northwest 12 RS Oil

Size	Column 1		Column 2		Column 3		Column 4		Column 5		Column 6		Column 7		Column 8		Column 9		Column 10	
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
8 5/8																				
	1																			
	2																			
	3																			
	4																			
	5																			
	6																			
	7																			
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	15																			
	16																			
	17																			
	18																			
	19																			
	20																			
Total	2417																			

Subtotal this page

Total Number of Joints

6 5/8

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25470

GRAND TOTAL

Casing Head & Accessories

Other

Tallied By

Handwritten signature: *Michael A. Beck*

Received In Good Order By

Limited Service and/or Used Materials are sold "as is, without warranty either expressed or implied."



**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 37284  
LOCATION Oakley, KS  
FOREMAN Tommy Shaw

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
11-8-12	56606	Sleeping Indian #1	13	175	340	Scott
CUSTOMER	Nor-West Kansas Oil					
MAILING ADDRESS						
CITY	STATE	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
			463	Curry D		
			653	Traavis W		

JOB TYPE PTA HOLE SIZE 7 7/8" HOLE DEPTH 4797' CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.8 SLURRY VOL 1.40 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meetings and rig up on WW drilling the 2 plugs as ordered  
1<sup>st</sup> 52 SKS @ 240'  
2<sup>nd</sup> 80 SKS @ 1430'  
2<sup>nd</sup> 40 SKS @ 1680'  
4<sup>th</sup> 52 SKS @ 270'  
5<sup>th</sup> 20 SKS @ 600'  
RH 30 SKS / 144H 205 SKS

*Thanks Mills & Crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405W	1	PUMP CHARGE	1225.00	1225.00
5406	35	MILEAGE	5.00	175.00
5407A	12.47 tons	Town Mileage delivery	1.17	14.57
1131	290 SKS	60# H <sub>2</sub> O 202 cement	15.10	4329.00
1188	997 #	Bentonafo gel	.25	249.25
1167	72 #	Flt Seal	2.82	203.04
		Subtotal		7060.16
		less 10% discount		7060.16
		Subtotal		7060.16
		Subtotal		6354.15
		SALES TAX		
		ESTIMATED TOTAL		

Authorization Tommy Shaw TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
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**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER **39133**

LOCATION **Atlaton**

FOREMAN **Fuz 251**

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

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-10-12	5666	Sleeping Indians	13	17	34	Scott
CUSTOMER	Mailing Address		TRUCK #	DRIVER	TRUCK #	DRIVER
Northwest Kansas Oil LLC	Munich # 23		413	Tom B		
	CITY	STATE	ZIP CODE			
		KS	693	Tom B		

JOB-TYPE Surge HOLE SIZE 12 1/4 HOLE DEPTH 256' CASING SIZE & WEIGHT 5 1/8  
 CASING DEPTH 256' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.7 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT IN CASING 20'  
 DISPLACEMENT 15 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: SAGD medicine on W. unit 2. Break up and circulate with 1755 lbs  
Class 'A' 30% re placed. Displace 15 bal and chd ins.  
Cement did circulate approx 3 BBLs do pit.

THANKS TERRY  
+ CREW

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1085.00	1085.00
5406	45	MILEAGE	5.00	225.00
5107	8.2 ton	Tow Milcore Delivery	161	616.21
11045	1759 k5	CLASS 'A' cement	17.62	3086.22
1102	4794 #	Calcium chloride	1.89	4139.66
1118 B	379 #	Bondoid	1.25	823.25
				5536.84
				553.68
				4983.21
		SALES TAX ESTIMATED		
		TOTAL		

AUTHORIZATION Wentz

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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Hays, KS 67601  
785-625-4670

**PIPE TALLY**  
Visit our website [www.midwesternpipeworks.com](http://www.midwesternpipeworks.com)

Date 10/31/12

Company Norwest Resources Oil  
Lease Sleeping Indian Well #1

Size	New	Used	Limited Service		Weight		Grade	Type	Range				
			Column 1	Column 2	Column 3	Column 4				Column 5	Column 6	Column 7	Column 8
Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10				
Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
1													
2													
3													
4													
5													
6	42.45												
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
Total	24.17												

Subtotal this page

Total Number of Joints

645

254.70

GRAND TOTAL

Casing Head & Accessories

Other

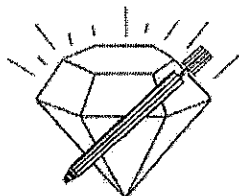
Talled By

[Signature]

Received In Good Order By

Limited Service and/or Used Materials are sold "as is, without warranty either expressed or implied."





# DIAMOND TESTING

P.O. Box 157

Page 1 of 2 Pages

**HOISINGTON, KANSAS 67544**

(620) 653-7550 • (800) 542-7313

sleepingindian1dst1

Company Nor-West Kansas Oil, LLC Lease & Well No. Sleeping Indian No. 1  
 Elevation 3076 KB Formation Marmaton/Pawnee Effective Pay \_\_\_\_\_ Ft. Ticket No. T123  
 Date 11-15-12 Sec. 13 Twp. 17S Range 34W County Scott State Kansas  
 Test Approved By Sean P. Deenihan Diamond Representative Tim Venters

Formation Test No. 1 Interval Tested from 4,406 ft. to 4,546 ft. Total Depth 4,546 ft.  
 Packer Depth 4,401 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 4,406 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 4,387 ft. Recorder Number 8457 Cap. 10,000 psi.  
 Bottom Recorder Depth (Outside) 4,543 ft. Recorder Number 11030 Cap. 5,025 psi.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor WW Drilling, LLC - Rig 2 Drill Collar Length 124 ft I.D. 2 1/4 in.  
 Mud Type Chemical Viscosity 62 Weight Pipe Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
 Weight 9.5 Water Loss 8.0 cc. Drill Pipe Length 4,249 ft I.D. 3 1/2 in.  
 Chlorides 7,700 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.  
 Jars: Make Sterling Serial Number 4 Anchor Length 44' perf. w/ 96' 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, 1/2 in. blow increasing. Off bottom of bucket in 6 mins. No blow back during shut-in.  
2nd Open: Weak, 1/2 in. blow increasing. Off bottom of bucket in 8 1/2 mins. No blow back during shut-in.

Recovered 280 ft. of mud = 3.984400 bbls.  
 Recovered 255 ft. of heavy mud cut water = 3.628650 bbls. (Grind out: 60%-water; 40%-mud)  
 Recovered 315 ft. of slightly mud cut water = 3.886610 bbls. (Grind out: 91%-water; 9%-mud) Chlorides: 40,000 Ppm PH: 7.0 RW: .24 @ 71°  
 Recovered 60 ft. of heavy water cut mud = .295200 bbls. (Grind out: 41%-water; 59%-mud)  
 Recovered 910 ft. of TOTAL FLUID = 11.794860 bbls.  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Remarks Tool Sample Grind Out: 97%-water; 3%-mud

Time Set Packer(s) 7:20 P.M. Time Started off Bottom 9:50 P.M. Maximum Temperature 123°  
 Initial Hydrostatic Pressure.....(A) 2131 P.S.I.  
 Initial Flow Period.....Minutes 30 (B) 28 P.S.I. to (C) 289 P.S.I.  
 Initial Closed In Period.....Minutes 45 (D) 1141 P.S.I.  
 Final Flow Period.....Minutes 30 (E) 290 P.S.I. to (F) 441 P.S.I.  
 Final Closed In Period.....Minutes 45 (G) 1133 P.S.I.  
 Final Hydrostatic Pressure.....(H) 2129 P.S.I.

# DIAMOND TESTING

## General Information Report

### General Information

**Company Name** NOR-WEST KANSAS OIL, LLC  
**Contact** PATRICK WANKER  
**Well Name** SLEEPING INDIAN #1  
**Unique Well ID** DST #1, MARM./PAWN., 4406-4546  
**Surface Location** SEC 13-17S-34W, SCOTT CO. KS.  
**Field** WILDCAT  
**Well Type** Vertical  
**Test Type** CONVENTIONAL  
**Formation** DST #1, MARM./PAWN., 4406-4546  
**Well Fluid Type** 01 Oil

**Representative** TIM VENTERS  
**Well Operator** NOR-WEST KANSAS OIL, LLC  
**Report Date** 2012/11/16  
**Prepared By** TIM VENTERS  
  
**Qualified By** SEAN DEENIHAN

**Start Test Date** 2012/11/15  
**Final Test Date** 2012/11/16

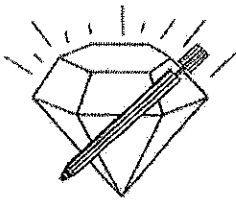
**Start Test Time** 16:42:00  
**Final Test Time** 00:32:00

### Test Recovery:

**RECOVERED: 280' MUD**  
 255' HMCW, 60% WATER, 40% MUD  
 315' SMCW, 91% WATER, 9% MUD  
 60' HWCM, 41% WATER, 59% MUD  
 910' TOTAL FLUID

**TOOL SAMPLE: 97% WATER, 3% MUD**

**CHLORIDES: 40,000 ppm**  
**PH: 7.0**  
**RW: .24 @ 71 deg.**



**DIAMOND TESTING**

P.O. Box 157

**HOISINGTON, KANSAS 67544**

(620) 653-7550 • (800) 542-7313

sleepingindian1dst2

Company Nor-West Kansas Oil, LLC Lease & Well No. Sleeping Indian No. 1  
 Elevation 3076 KB Formation Johnson Effective Pay \_\_\_\_\_ Ft. Ticket No. T124  
 Date 11-16-12 Sec. 13 Twp. 17S Range 34W County Scott State Kansas  
 Test Approved By Sean P. Deenihan Diamond Representative \_\_\_\_\_ Tim Venters

Formation Test No. 2 Interval Tested from 4,640 ft. to 4,734 ft. Total Depth 4,734 ft.  
 Packer Depth 4,635 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 4,640 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 4,621 ft. Recorder Number 8457 Cap. 10,000 psi.  
 Bottom Recorder Depth (Outside) 4,731 ft. Recorder Number 11030 Cap. 5,025 psi.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor WW Drilling, LLC - Rig 2 Drill Collar Length 124 ft I.D. 2 1/4 in.  
 Mud Type Chemical Viscosity 58 Weight Pipe Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
 Weight 9.3 Water Loss 9.2 cc. Drill Pipe Length 4,483 ft I.D. 3 1/2 in.  
 Chlorides 7,900 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.  
 Jars: Make Sterling Serial Number 4 Anchor Length 30' perf. w/ 64' 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 1/2 in. No blow back during shut-in.  
 2nd Open: Very weak, surface blow throughout. No blow back during shut-in.

Recovered 20 ft. of mud = .098400 bbls.  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks Tool Sample Grind Out: 100%-mud

Time Set Packer(s) 10:50 P.M. Time Started off Bottom 12:40 A.M. Maximum Temperature 113°  
 Initial Hydrostatic Pressure.....(A) 2324 P.S.I.  
 Initial Flow Period.....Minutes 30 (B) 8 P.S.I. to (C) 21 P.S.I.  
 Initial Closed In Period.....Minutes 20 (D) 843 P.S.I.  
 Final Flow Period.....Minutes 30 (E) 19 P.S.I. to (F) 26 P.S.I.  
 Final Closed In Period.....Minutes 30 (G) 979 P.S.I.  
 Final Hydrostatic Pressure.....(H) 2320 P.S.I.

# DIAMOND TESTING

## General Information Report

### General Information

Company Name NOR-WEST KANSAS OIL, LLC  
 Contact PATRICK WANKER  
 Well Name SLEEPING INDIAN  
 Unique Well ID DST #2, JOHNSON, 4640-4734  
 Surface Location SEC 13-17S-34W, SCOTT CO. KS.  
 Field WILDCAT  
 Well Type Vertical  
 Test Type CONVENTIONAL  
 Formation DST #2, JOHNSON, 4640-4734  
 Well Fluid Type 01 Oil

Representative TIM VENTERS  
 Well Operator NOR-WEST KANSAS OIL, LLC  
 Report Date 2012/11/17  
 Prepared By TIM VENTERS  
 Qualified By SEAN DEENIHAN

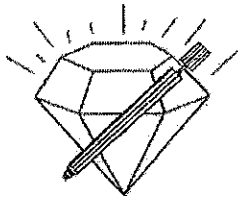
Start Test Date 2012/11/16  
 Final Test Date 2012/11/17

Start Test Time 20:36:00  
 Final Test Time 02:47:00

### Test Recovery:

RECOVERED: 20' MUD

TOOL SAMPLE: 100% MUD



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
sleepingindian1dst3

Company Nor-West Kansas Oil, LLC Lease & Well No. Sleeping Indian No. 1  
Elevation 3076 KB Formation Morrow Effective Pay      Ft. Ticket No. T125  
Date 11-17-12 Sec. 13 Twp. 17S Range 34W County Scott State Kansas  
Test Approved By Sean P. Deenihan Diamond Representative Tim Venters

Formation Test No. 3 Interval Tested from 4,710 ft. to 4,768 ft. Total Depth 4,797 ft  
Packer Depth 4,705 ft. Size 6 3/4 in. Packer Depth 4,768 ft. Size 6 3/4 in.  
Packer Depth 4,710 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Depth of Selective Zone Set 4,768 ft.

Top Recorder Depth (Inside) 4,691 ft. Recorder Number 8457 Cap. 10,000 psi.  
Bottom Recorder Depth (Outside) 4,765 ft. Recorder Number 11029 Cap. 5,025 psi.  
Below Straddle Recorder Depth 4,794 ft. Recorder Number 11030 Cap. 5,025 psi.

Drilling Contractor VW Drilling, LLC - Rig 2 Drill Collar Length 124 ft I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 49 Weight Pipe Length      ft I.D.      in.  
Weight 9.4 Water Loss 11.0 cc. Drill Pipe Length 4,553 ft I.D. 3 1/2 in.  
Chlorides 10,800 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number 4 Anchor Length 27' perf. w/ 31' 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: N/A  
2nd Open: N/A

Recovered 520 ft. of mud = 6.245160 bbls.  
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of     

Remarks Tool Sample Grind Out: 100%-mud  
PACKER FAILURE!

Time Set Packer(s)      Time Started off Bottom      Maximum Temperature       
Initial Hydrostatic Pressure.....(A)      P.S.I.  
Initial Flow Period.....Minutes      (B)      P.S.I. to (C)      P.S.I.  
Initial Closed In Period.....Minutes      (D)      P.S.I.  
Final Flow Period.....Minutes      (E)      P.S.I. to (F)      P.S.I.  
Final Closed In Period.....Minutes      (G)      P.S.I.  
Final Hydrostatic Pressure.....(H)      P.S.I.

# DIAMOND TESTING

## General Information Report

### General Information

Company Name	NOR-WEST KANSAS OIL, LLC	Representative	TIM VENTERS
Contact	PATRICK WANKER	Well Operator	NOR-WEST KANSAS OIL, LLC
Well Name	SLEEPING INDIAN #1	Report Date	2012/11/17
Unique Well ID	DST #3, MORROW, 4710-4768	Prepared By	TIM VENTERS
Surface Location	SEC 13-17S-34W, SCOTT CO. KS.	Qualified By	SEAN DEENIHAN
Field	WILDCAT		
Well Type	Vertical		
Test Type	STRADDLE		
Formation	DST #3, MORROW, 4710-4768		
Well Fluid Type	01 Oil		
Start Test Date	2012/11/17	Start Test Time	12:06:00
Final Test Date	2012/11/17	Final Test Time	17:26:00

### Test Recovery:

PACKER FAILURE

RECOVERED: 520' MUD

TOOL SAMPLE: 100% MUD