



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
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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

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
---	---

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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ 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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	K & N Petroleum, Inc.
Well Name	Klepper 2 1
Doc ID	1159555

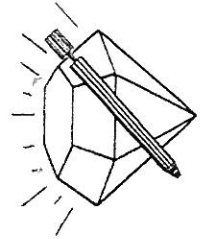
All Electric Logs Run

Cement Bond Log
Dual Compensated Porosity Log
Dual Induction Log
Microresistivity Log
Borehole Compensated Log

Form	ACO1 - Well Completion
Operator	K & N Petroleum, Inc.
Well Name	Klepper 2 1
Doc ID	1159555

Tops

Name	Top	Datum
Anhydrite	560	-1217
Base Anhydrite	577	-1200
Heebner	2895	-1118
Toronto	2911	-1134
Douglas	2927	-1150
BrownLime	3010	-1233
Lansing	3029	-1252
Base Kansas City	3287	-1510
Cong. Chert	3331	-1554
RTD	3420	-1643
LTD	3416	-1639



DIAMOND TESTING, LLC
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 STC/Klepper2#1DST1

Company K & N Petroleum, Inc. Lease & Well No. Klepper 2 No. 1
 Elevation 1771 GL Formation Lansing/Kansas City Effective Pay -- Ft. Ticket No. J3133
 Date 7-15-13 Sec. 2 Twp. 19S Range 11W County Barton State Kansas
 Test Approved By James C. Musgrove Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,020 ft. to 3,087 ft. Total Depth 3,087 ft.
 Packer Depth 3,015 ft. Size 6 3/4 in. Packer Depth -- ft. Size in.
 Packer Depth 3,020 ft. Size 6 3/4 in. Packer Depth -- ft. Size in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,023 ft. Recorder Number 30046 Cap. 6,000 psi.
 Bottom Recorder Depth (Outside) 3,084 ft. Recorder Number 11073 Cap. 4,000 psi.
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.
 Mud Type Chemical Viscosity 52 Weight Pipe Length -- ft. I.D. -- in.
 Weight 9.1 Water Loss 8.4 cc. Drill Pipe Length 3,000 ft. I.D. 3 1/2 in.
 Chlorides 4,000 P.P.M. Test Tool Length 20 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 67 ft. 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 -- ft. of No Recovery
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks MISRUN! Couldn't get tool to bottom. **KCC WICHITA**
SEP 26 2013
RECEIVED

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.

GENERAL INFORMATION

Client Information:

Company: K+N PETROLEUM INC.

Contact: ED NEMNICH

Phone:

Fax:

e-mail:

Site Information:

Contact: JIM MUSGROVE

Phone:

Fax:

e-mail:

Well Information:

Name: KLEPPER 2 #1

Operator: K+N PETROLEUM INC.

Location-Downhole:

Location-Surface: S2/19S/11W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JIM MUSGROVE

Test Type: DST #1 CONVENTIONAL

Test Unit:

Job Number: D1337

Start Date: 2013/07/15

Start Time: 05:20:00

End Date: 2013/07/15

End Time: 08:50:00

Report Date: 2013/07/15

Prepared By: JOHNRIEDL

Qualified By: JIM MUSGROVE

Remarks:

MISRUN; COULD NOT GET TO BOTTOM WITH TOOL

KCC WICHITA

SEP 26 2013

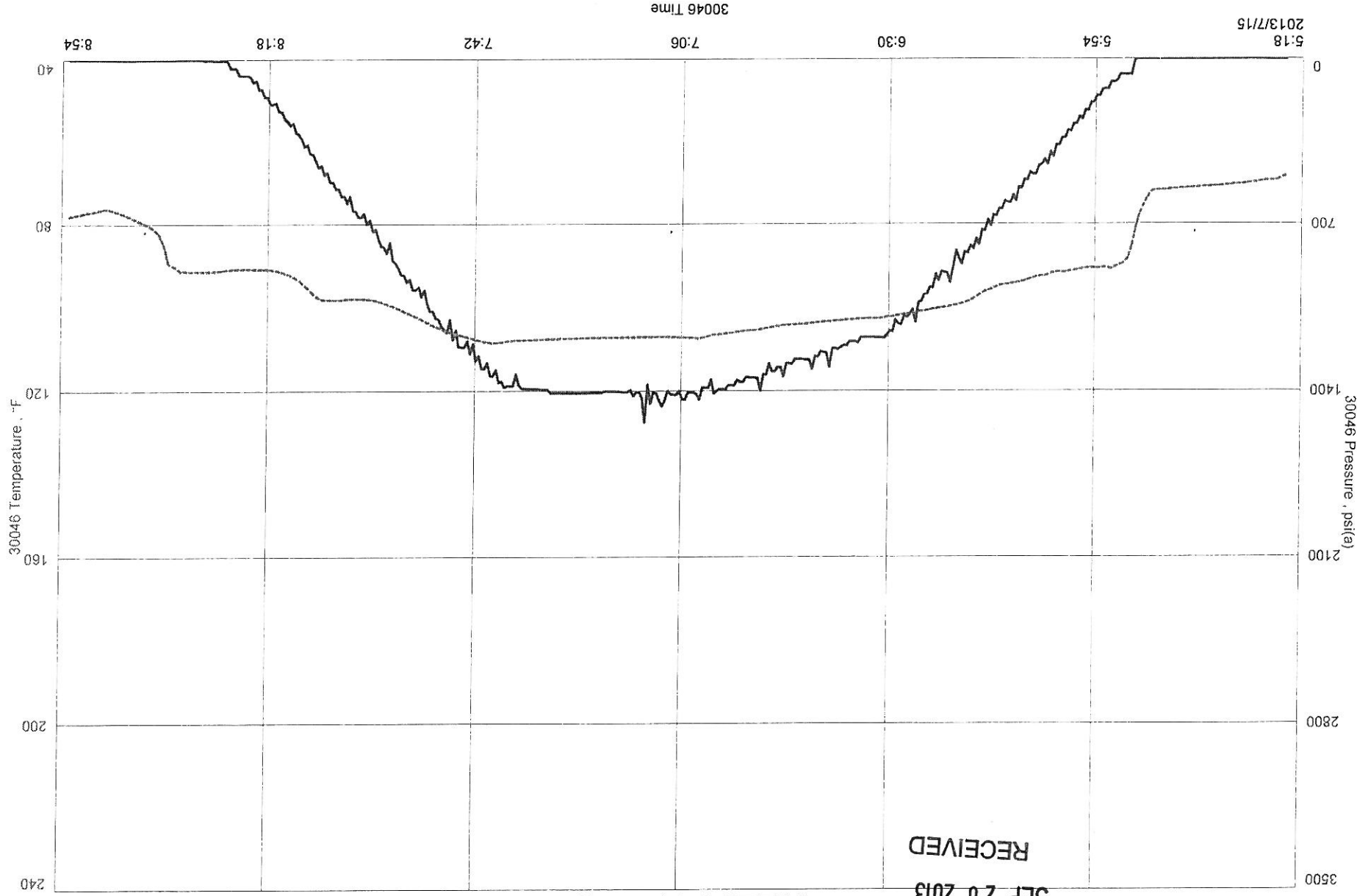
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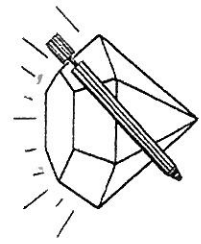
K+N PETROLEUM INC.
Start Test Date: 2013/07/15
Final Test Date: 2013/07/15

KCC WICHITA
SEP 26 2013
RECEIVED

KLEPPER 2 #1

KLEPPER 2 #1
Formation: LKC
Job Number: D1337





DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC/Klepper2#1DST2

Company K & N Petroleum, Inc. Lease & Well No. Klepper 2 No. 1
Elevation 1771 GL Formation Lansing/Kansas City Effective Pay Ft. Ticket No. J3134
Date 7-15-13 Sec. 2 Twp. 19S Range 11W County Barton State Kansas
Test Approved By James C. Musgrove Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,020 ft. to 3,138 ft. Total Depth 3,183 ft
Packer Depth 3,015 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,020 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,023 ft. Recorder Number 30046 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 3,135 ft. Recorder Number 11073 Cap. 4,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 2 Drill Collar Length ft I.D. in.
Mud Type Chemical Viscosity 52 Weight Pipe Length ft I.D. in.
Weight 9.2 Water Loss 8.4 cc. Drill Pipe Length 3,000 ft I.D. 3 1/2 in.
Chlorides 4,000 P.P.M. Test Tool Length 20 ft Tool Size 3 1/2-JF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 25' perf. w/ 93' 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: Strong blow increasing. Off bottom of bucket 1 min. No blow back during shut-in.
2nd Open: Strong blow. Gas to surface immediately. Gauged at 8 MCF/D. Good blow back during shut-in.

Recovered 100 ft. of slightly oil cut gassy mud = 1.423000 bbls. (Grind out: 40%-gas; 3%-oil; 57%-mud)
Recovered 200 ft. of muddy gassy oil = 2.846000 bbls. (Grind out: 40%-gas; 30%-oil; 30%-mud)
Recovered 300 ft. of TOTAL FLUID = 4.269000 bbls.
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks KCC WICHITA
SEP 26 2013
RECEIVED

Time Set Packer(s) 8:10 P.M. Time Started off Bottom 10:55 P.M. Maximum Temperature 109°
Initial Hydrostatic Pressure.....(A) 1429 P.S.I.
Initial Flow Period.....Minutes 30 (B) 43 P.S.I. to (C) 73 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 597 P.S.I.
Final Flow Period.....Minutes 45 (E) 88 P.S.I. to (F) 111 P.S.I.
Final Closed In Period.....Minutes 60 (G) 618 P.S.I.
Final Hydrostatic Pressure.....(H) 1386 P.S.I.

GENERAL INFORMATION

Client Information:

Company: K+N PETROLEUM INC.
Contact: ED NEMNICH
Phone: Fax: e-mail:

Site Information:

Contact: JIM MUSGROVE
Phone: Fax: e-mail:

Well Information:

Name: KLEPPER 2 #1
Operator: K+N PETROLEUM INC.
Location-Downhole:
Location-Surface:

Test Information:

Company: DIAMOND TESTING
Representative: JOHN RIEDL
Supervisor: JIM MUSGROVE
Test Type: DST #2 CONVENTIONAL
Test Unit: Job Number: D1338
Start Date: 2013/07/15 Start Time: 19:00:00
End Date: 2013/07/16 End Time: 00:50:00
Report Date: 2013/07/16 Prepared By: JOHN RIEDL
Remarks: Qualified By: JIM MUSGROVE

GAS TO SURFACE IN 30 MIN. GAUGED 8 MCF/D
RECOVERY: 100' SLIGHTLY OIL CUT GASSY MUD, 200' MUDDY GASSY OIL.

KCC WICHITA

SEP 26 2013

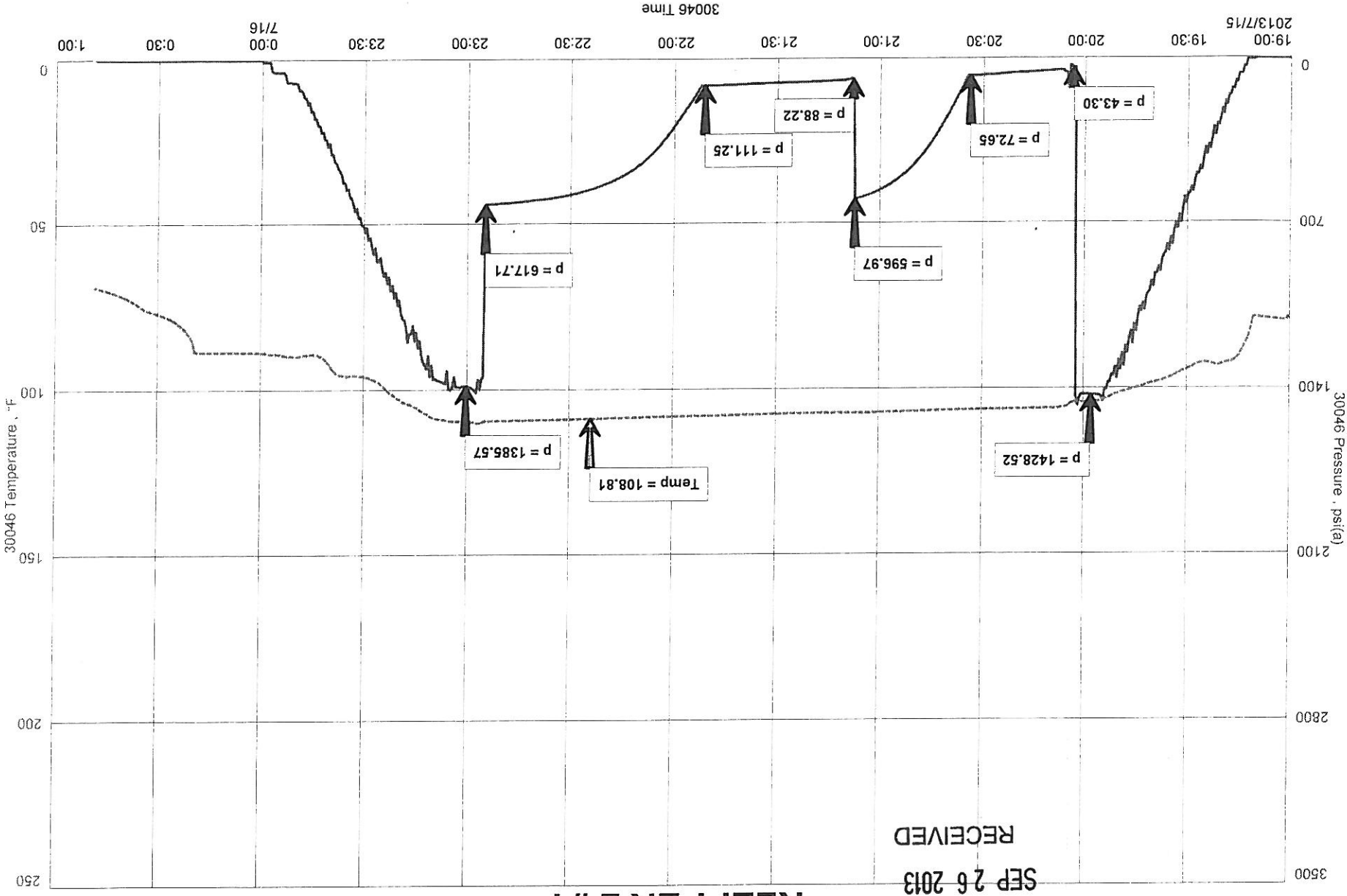
RECEIVED

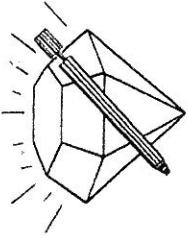
K+N PETROLEUM INC.
Start Test Date: 2013/07/15
Final Test Date: 2013/07/16

KCC WICHITA
SEP 26 2013
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KLEPPER 2 #1

KLEPPER 2 #1
Formation: LKC
Job Number: D1338





DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC/Klepper2#1DST3

Company K & N Petroleum, Inc. Lease & Well No. Klepper 2 No. 1
Elevation 1771 GL Formation Lansing/Kansas City Effective Pay -- Ft. Ticket No. J3135
Date 7-16-13 Sec. 2 Twp. 19S Range 11W County Barton State Kansas
Test Approved By James C. Musgrove Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,200 ft. to 3,240 ft. Total Depth 3,240 ft
Packer Depth 3,195 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,200 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,203 ft. Recorder Number 30046 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 3,237 ft. Recorder Number 11073 Cap. 4,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.
Mud Type Chemical Viscosity 50 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 3,180 ft I.D. 3 1/2 in.
Chlorides 7,700 P.P.M. Test Tool Length 20 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run
Anchor Length 10' perf. w/ 30' 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, 2 in. blow decreasing to 1/2 in. No blow back during shut-in.
2nd Open: Weak blow. Died in 5 mins. No blow back during shut-in.

Recovered 80 ft. of oil specked mud = 1.138400 bbls.
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks Tool slid 15 ft. to bottom.
KGC WICHITA
SEP 26 2013
RECEIVED

Time Set Packer(s) 1:40 P.M. Time Started off Bottom 3:55 P.M. Maximum Temperature 111°
Initial Hydrostatic Pressure.....(A) 1528 P.S.I.
Initial Flow Period.....Minutes 30 (B) 38 P.S.I. to (C) 44 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 700 P.S.I.
Final Flow Period.....Minutes 30 (E) 47 P.S.I. to (F) 52 P.S.I.
Final Closed In Period.....Minutes 45 (G) 689 P.S.I.
Final Hydrostatic Pressure.....(H) 1500 P.S.I.

GENERAL INFORMATION

Client Information:

Company: K+N PETROLEUM INC.
Contact: ED NEMNICH
Phone: Fax: e-mail:

Site Information:

Contact: JIM MUSGROVE
Phone: Fax: e-mail:

Well Information:

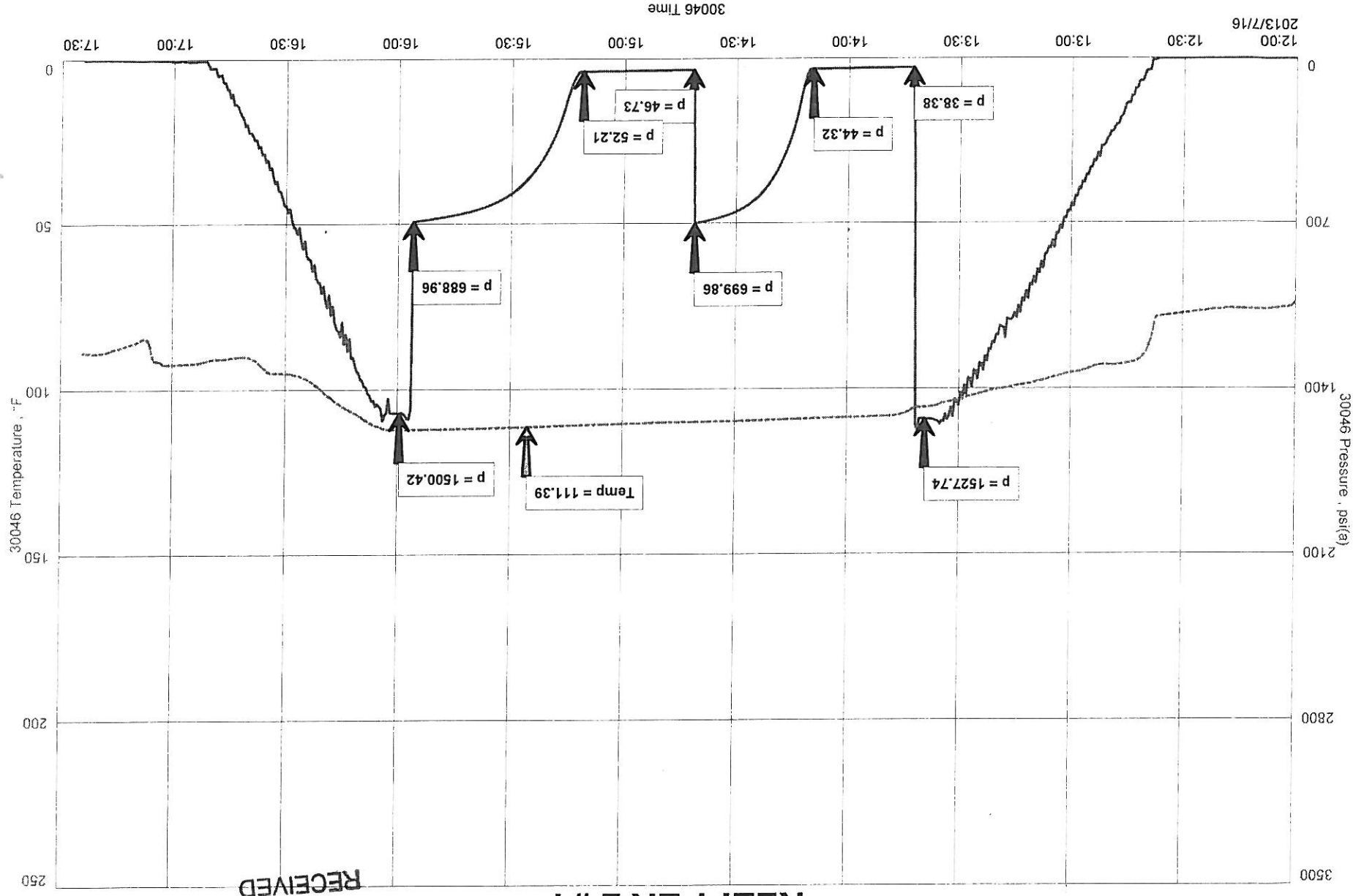
Name: KLEPPER 2 #1
Operator: K+N PETROLEUM INC.
Location-Downhole:
Location-Surface:

Test Information:

Company: DIAMOND TESTING
Representative: JOHN RIEDL
Supervisor: JIM MUSGROVE
Test Type: DST #3 CONVENTIONAL
Test Unit: Job Number: D1339
Start Date: 2013/07/16 Start Time: 12:00:00
End Date: 2013/07/16 End Time: 17:20:00
Report Date: 2013/07/16 Prepared By: JOHN RIEDL
Remarks: Qualified By: JIM MUSGROVE

RECOVERY: 80' OIL SPECKED DRILLING MUD

KCC WICHITA
SEP 26 2013
RECEIVED



K+N PETROLEUM INC.
 Start Test Date: 2013/07/16
 Final Test Date: 2013/07/16

KLEPPER 2 #1

KCC WICHTA
 SEP 26 2013
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KLEPPER 2 #1
 Formation: LKC
 Job Number: D1339



TREATMENT REPORT

Acid Stage No.

Date 7-11-13 District PETRO F. O. No. 41088

Company K&N PETRO

Well Name & No. KLEPPER #2-1

Location 2-195-11W Field KLEPPER NORTH

County BARTON State KS

Casing: Size Type & Wt. Set at ft.

Formation: Perf. to

Formation: Perf. to

Formation: Perf. to

Liner: Size Type & Wt. Top at ft. Bottom at ft.

Cemented: Yes/No. Perforated from ft. to

Tubing: Size & Wt. Swung at ft. to

Perforated from ft. to

Open Hole Size T. D. ft. P. D. to ft.

Type Treatment: Amt. Type Fluid Band Size Pounds of Sand

Backdown Bbl./Gal. ft. to

..... Bbl./Gal. ft. to

..... Bbl./Gal. ft. to

..... Bbl./Gal. ft. to

Flush Bbl./Gal. ft. to No. ft.

Treated from ft. to ft. No. ft.

from ft. to ft. No. ft.

from ft. to ft. No. ft.

Actual Volume of Oil/Water to Load Hole: Bbl./Gal.

Pump Trucks. No. Used: Sid. 318 Sp. Twin

Auxiliary Equipment 327

Packer: ft.

Auxiliary Tools Set at ft.

Plugging or Sealing Materials: Type ft.

..... Gal. lb.

Company Representative ED Treated by Brendon

TIME a.m./p.m.	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
7:00				ON LOCATION
:				HOLE - 390'
:				PIPE - 389' - 8 5/8 24"
:				Break Circulation w/ Pump truck
:				Mix 700 lbs 60/40 28 gal 3 7/8 ss1
:				chloride Displace 23 bbl water
:				Plug down - 9:30pm
:				Circulated Cement to Surface
:				
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Thanks Brendon

KCC WICHITA

SEP 26 2013

RECEIVED

MORNING DRILLING REPORT

For: K&N Petroleum, Inc.

SOUTHWIND DRILLING, INC.

RIG #2

Well Name: Klepper #2-1
 Location: 413' FNL & 437' FWL
 Section: 2-19S-11W
 County: Barton
 API: 15-009-25852-00-00

Elevation: 1768'
 KB: 1777'
 Est. TD: 3400'
 Conductor: N/A

Rig No. 2 (Pusher Bill Sanders) 620-617-0706
 Rig No. 2 (Doghhouse) 620 617-5921
 Southwind Drilling Office 620 564-3800

Surface Casing: Ran 9 joints of new 8.5/8" casing, Tally @ 378'; Set @ 389'; used 300 sacks of 2% gel, 3% cc, cement circulated, by Copeland (Ticket #41088), plug down @ 9:30 pm on 07.11.13.

Production Info:

KCC WICHITA

SEP 26 2013



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Rotary Total Depth:
 Log Total Depth:

Geologist: Jim Musgrove

7:00 A.M. Depth: 3420'

7:00 A.M. Current Operation: DRILLING

Spud Date & Time:	07/11/13	07/12/13	07/13/13	07/14/13	07/15/13	07/16/13	07/17/13	07/18/13	Total
07/11/2013 @ 9:15 AM	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	
Daily Depth (7:00am)	0	520	1790	2600	3087	3186	3420		3420
Fl. Per Hr.	520	1270	810	487	99	234			3420
Current Operation (7:00am)	Rig Up	86.10	43.20	35.42	20.84	21.27	#DIV/0!	#DIV/0!	49.21
Formation	Surface	Drilling	Drilling	Drilling	TIWT	Repairs	Drilling		
	Surface	Surface	Lime / Shale	Lime / Shale	Lime / Shale	Lime / Shale	Lime / Shale	Lime / Shale	
Fuel Used (34.5 Gall/inch)	172.50	345.00	379.50	379.50	241.50	276.00			1794.00
Survey (degree & depth)	1° @ 390'			1° @ 308'					
Mud Info									
Mud Cost	\$0.00	\$692.70	\$0.00	\$5,110.65	\$980.90	\$0.00			\$6,784.25
Weight (# / Gal)				8.7	8.9	9.1			
Vis (Funnel)				48	52	54			
Water Loss (cc)						9.6			
Bit #1									
Bit Make / Type	Reed RT								
Bit Size	12 1/4								
Bit Hours	5.75								5.75
Bit #2									
Bit Make / Type	HA20Q RR JZ	HA20Q RR JZ	HA20Q RR JZ	HA20Q RR JZ	HA20Q RR JZ	HA20Q RR JZ	HA20Q RR JZ	HA20Q RR JZ	
Bit Size	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	
Bit Hours	0.75	14.75	18.75	13.75	4.75	11.00	11.00	0.00	63.75
Bit Cumulative Hours	6.50	14.75	18.75	13.75	4.75	11.00	0.00	0.00	69.50
Weight on Bit (WOB)	10,000	20,000	30,000	35,000	35,000	35,000			
RPM	100	80	80	80	80	80			
Pump Pressure	550	700	850	900	850	800			
Drilling (Rotating) Hours	6.50	14.75	18.75	13.75	4.75	11.00	0.00	0.00	69.50
Daywork Hrs. (Operator's time)									
Rat Hole (> 75 Hrs)									0.00
Wait on Cement	8.00								8.00
Trip				4.00	9.50	5.25			18.75
Circulate				3.00	4.00	3.25			10.25
Tool				0.50	1.00	0.75			2.25
Testing					2.75	2.25			5.00
Clean Floor					0.25				0.25
Logging									0.00
LDDP & Plug Well									0.00
Run Casing / Cement	2.00								2.00
Nipple Down / Jet Cellar									0.00
Set Slips									0.00
Wait on Tester									0.00
Wait on Orders									0.00
Billable Hours	10.00	0.00	0.00	7.50	17.50	11.50	0.00	0.00	46.50
Non-Billable Hours (Southwind's time)									
Rig Up / Rig Down	1.75								1.75
Wait on Cement (if NC)									0.00
DownTime - Weather									0.00
Trip Time for Hole in Pipe									0.00
Drill Rat Hole (<75 hrs)	0.50								0.50
Drill Plug	0.50								0.50
Circulate / Trip (Surface)	0.50								0.50
Rig Repair	1.75	5.50	1.00		1.00				9.25
Connections	2.00	2.50	2.25	1.25	0.50	1.00			9.50
Jel/Displace	0.25	0.75	1.00	0.75					2.75
Surveys	0.25			0.25					0.50
Rig Check		0.50	1.00	0.50	0.25	0.50			2.75
Wait on Welder									0.00
Trip Time (NB)									0.00
Lost Circulation (< 2 hrs)									0.00
Lay Down Kelly / RH									0.00
Non-Billable Hrs.	7.50	9.25	5.25	2.75	1.75	1.50	0.00	0.00	28.00
	24.00	24.00	24.00	24.00	24.00	24.00	0.00	0.00	
Footage Cost	\$ 7,280.00	\$ 17,780.00	\$ 11,340.00	\$ 6,818.00	\$ 1,386.00	\$ 3,276.00	\$ -	\$ -	\$ 47,880.00
Daywork Cost	\$ 3,500.00	\$ -	\$ -	\$ 2,625.00	\$ 6,125.00	\$ 4,025.00	\$ -	\$ -	\$ 16,275.00
Combined Est. Cost*	\$ 10,780.00	\$ 17,780.00	\$ 11,340.00	\$ 9,443.00	\$ 7,511.00	\$ 7,301.00	\$ -	\$ -	\$ 64,155.00

*Please note that this is estimated footage & daywork cost only. Additional charges will apply on invoice (fuel surcharge, water transfer pump, etc)

DST #1 Info -		DST #2 Info -		DST #3 Info -		DST #4 Info -	
Footage Interval:	3020' - 3087'	Footage Interval:	3020' - 3138'	Footage Interval:	3200' - 3240'	Footage Interval:	3200' - 3240'
Recovery:	Misrun (Hit Bridge)	Recovery:	220' Gassy Muddy Oil	Recovery:	80' Mud	Recovery:	LKC "j"
Anhydrite:		Displaced @ 2772'					