



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1211770
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
-----------------------------------	-----------------	---

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: _____

1211770

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: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	IVAN 1-1
Doc ID	1211770

Tops

Name	Top	Datum
ANHYDRITE	807	+1123
BASE ANHYDRITE	828	+1102
HEEBNER	3323	-1393
BROWN LIME	3453	-1523
LANSING	3473	-1543
BASE KASAS CITY	3683	-1753
VIOLA	3770	-1840
SIMPSON	3810	-1880
ARBUCKLE	3861	-1931

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	IVAN 1-1
Doc ID	1211770

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
SURFACE	12.25	8.625	23	322	A-CONN	175	3%CC, 1/4#Cellfl ake
SURFACE - CONT	12.25	8.625	23	322	COMMON	175	2%CC, 1/4#CF
PRODUC TION	7.875	4.5	11.6	3939	50/50 POZMIX	175	2%Gel, 5%Gypsu m
RATHOLE	7.875	4.5	11.6	3939	60/40 POZMIX	30	



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Ivan 1-1 Dst 1

TIME ON: 10:22
TIME OFF: 16:43

Company L.D Drilling Inc. Lease & Well No. Ivan 1-1
Contractor Petromark Drilling Charge to L.D Drilling Inc.
Elevation 1930 KB Formation L/KC "D-F" Effective Pay _____ Ft. Ticket No. RR035
Date 05/19/2014 Sec. 1 Twp. 23 S Range 14 W County Stafford State KANSAS
Test Approved By Kim Shoemaker Diamond Representative RICKY RAY

Formation Test No. 1 Interval Tested from 3494 ft. to 3550 ft. Total Depth 3550 ft.
Packer Depth 3489 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3494 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3533 ft. Recorder Number _____ Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3547 ft. Recorder Number _____ Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 49 Drill Collar Length 116 ft. I.D. 2 1/4 in.
Weight 9 Water Loss 13.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 10600 P.P.M. Drill Pipe Length 3378 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number SJ Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NA Reversed Out NA Anchor Length 56A(24.5P) ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

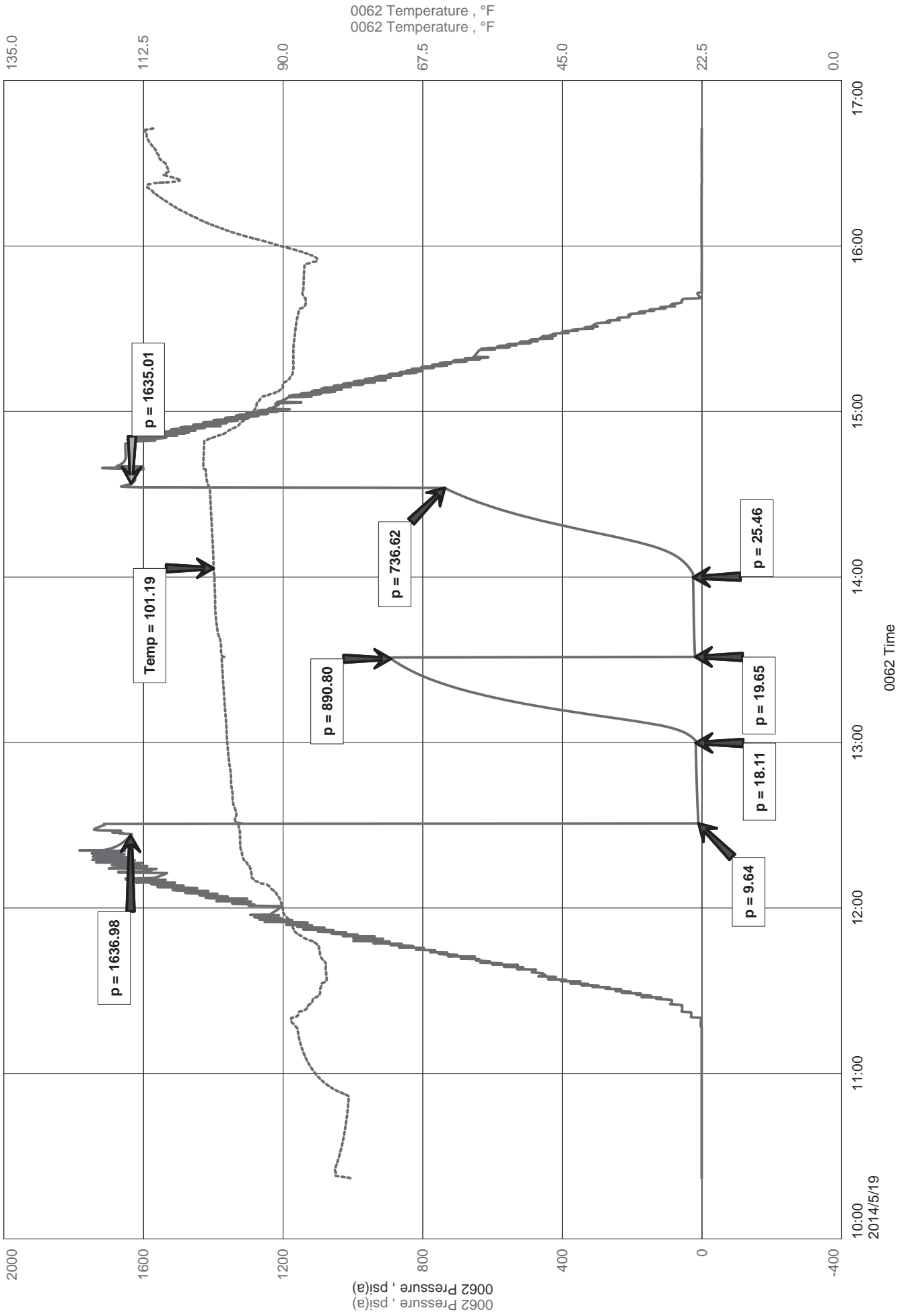
Blow: 1st Open: WSB Built to 1/4 inch in 30 mins NOBB
2nd Open: No Blow NOBB

Recovered <u>10</u> ft. of <u>WCM</u>	<u>22% W</u>	<u>78% M</u>	
Recovered _____ ft. of _____			
Recovered _____ ft. of _____			
Recovered _____ ft. of _____			PH:10
Recovered _____ ft. of _____			RW: .3 @ 90 Deg
Recovered _____ ft. of _____			36,000 Chlorides PPM
Remarks: _____			Price Job
			Other Charges
			Insurance
Tool Sample: <u>30 % W</u>	<u>70% M</u>		Total

Time Set Packer(s) 12:30 PM A.M. P.M. Time Started Off Bottom 2:30 PM A.M. P.M. Maximum Temperature 101
Initial Hydrostatic Pressure..... (A) 1637 P.S.I.
Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 18 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 891 P.S.I.
Final Flow Period..... Minutes 30 (E) 20 P.S.I. to (F) 25 P.S.I.
Final Closed In Period..... Minutes 30 (G) 737 P.S.I.
Final Hydrostatic Pressure..... (H) 1635 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Ivan 1-1





Diamond Testing LLC
 P.O. Box 157
 HoisingtonKS 67544

Ricky Ray - Tester
 (620) 617-7261

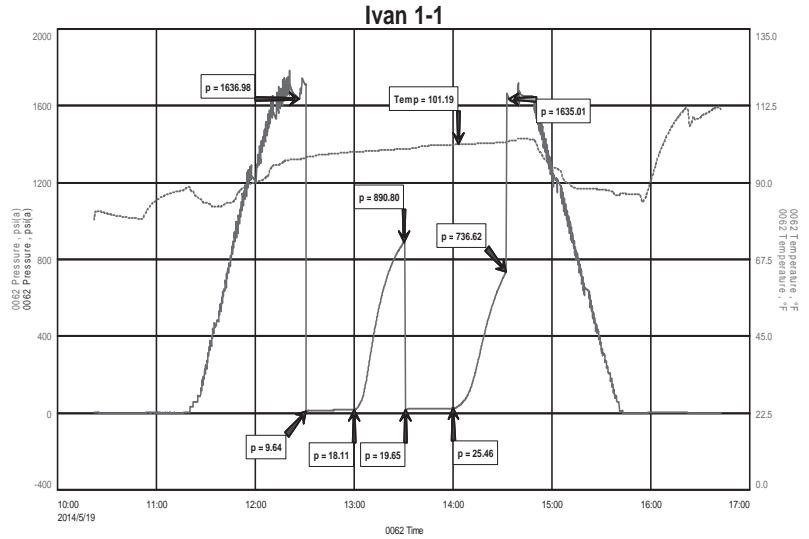
Wellsite Report

General Information

Company Name	L.D Drilling Inc.
Contact	L.D Davis
Well Operator	L.D Drilling Inc.
Well Name	Ivan 1-1
Surface Location	Sec: 1-23s-14w (Stafford County)
Field	Unknown
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	Kim Shoemaker
Gauge Name	0062

Test Information

Job Number	RR035
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 1 L/KC "D-F" (3494-3550)
Start Test Date	2014/05/19 YYYY/MM/DD
Start Test Time	10:22:00 HH:mm:ss
Final Test Date	2014/05/19 YYYY/MM/DD
Final Test Time	16:43:00 HH:mm:ss



Test Results

Recovery:

10' WCM 22% W 78% M

Tool Sample: 30% W 70% M

RW: .3 @ 90 Deg
 PH: 10
 36Chlorides PPM



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: _____

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. 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 shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Ivan 1-1 Dst 3

TIME ON: 16:01
TIME OFF: 23:15

Company L.D Drilling Inc. Lease & Well No. Ivan 1-1
Contractor Petromark Drilling Charge to L.D Drilling Inc.
Elevation 1930 KB Formation L/KC "I-J-K" Effective Pay _____ Ft. Ticket No. RR037
Date 05/20/2014 Sec. 1 Twp. 23 S Range 14 W County Stafford State KANSAS
Test Approved By Kim Shoemaker Diamond Representative RICKY RAY

Formation Test No. 3 Interval Tested from 3606 ft. to 3670 ft. Total Depth 3670 ft.
Packer Depth 3601 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3606 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3653 ft. Recorder Number 0062 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3667 ft. Recorder Number 11047 Cap. 5075 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEMICAL Viscosity 49 Drill Collar Length 116 ft. I.D. 2 1/4 in.
Weight 9 Water Loss 13.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 10600 P.P.M. Drill Pipe Length 3489 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number SJ Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NA Reversed Out NA Anchor Length 64 A (32.5 P) ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1/4 Blow BOB in 21 mins 1/2" BB
2nd Open: 1/4 Blow BOB in 20 1/2 mins 3 1/4" BB

Recovered <u>372</u> ft. of <u>GIP</u>	
Recovered <u>31</u> ft. of <u>SLW & OCM 10% G 25% O 63% M</u>	
Recovered <u>31</u> ft. of <u>OCM 20% O 80% M</u>	
Recovered <u>62</u> ft. of <u>OCWM 18% G 10% O 24% W 48% M</u>	
Recovered <u>116</u> ft. of <u>SLO+HMCW 3% G 2% O 55% W 40% M</u>	Price Job
Recovered <u>240</u> ft. of <u>Total Fluid</u>	PH: <u>9</u>
Remarks: _____	RW: <u>.19 @ 81 Deg</u>
	Chlorides: <u>320,000</u>
	Insurance
	Total

Time Set Packer(s) 5:36 PM A.M. P.M. Time Started Off Bottom 8:36 PM A.M. P.M. Maximum Temperature 105
Initial Hydrostatic Pressure..... (A) 1686 P.S.I.
Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 71 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1136 P.S.I.
Final Flow Period..... Minutes 45 (E) 73 P.S.I. to (F) 106 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1119 P.S.I.
Final Hydrostatic Pressure..... (H) 1692 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Ivan 1-1 Dst 4

TIME ON: 19: 56 May 21
TIME OFF: 03:47 May 22

Company L.D Drilling Inc. Lease & Well No. Ivan 1-1
Contractor Petromark Drilling Charge to L.D Drilling Inc.
Elevation 1930 KB Formation _____ Simp/Arb _____ Effective Pay _____ Ft. Ticket No. R003
Date 05/21/2014 Sec. 1 Twp. _____ 23 S Range _____ 14 W County _____ Stafford State KANSAS
Test Approved By Kim Shoemaker Diamond Representative RICKY RAY

Formation Test No. 4 Interval Tested from 3800 ft. to 3868 ft. Total Depth 3868 ft.
Packer Depth 3795 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3800 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3781 ft. Recorder Number 0062 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3865 ft. Recorder Number 11047 Cap. 5075 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEMICAL Viscosity 44 Drill Collar Length 116 ft. I.D. 2 1/4 in.
Weight 9 Water Loss 16 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 13800 P.P.M. Drill Pipe Length 3646 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 8 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NA Reversed Out NA Anchor Length 68 A(37.5P) ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB Built to 7 inches in 30 mins NOBB
2nd Open: 1/4 Blow Built to 9 inches in 45 mins NOBB

Recovered 10 ft. of SLO & HMW 2% O 50% W 48% M
Recovered 124 ft. of M 100% M
Recovered 116 ft. of HWM 48% W 52% M
Recovered 240 ft. of Total Fluid

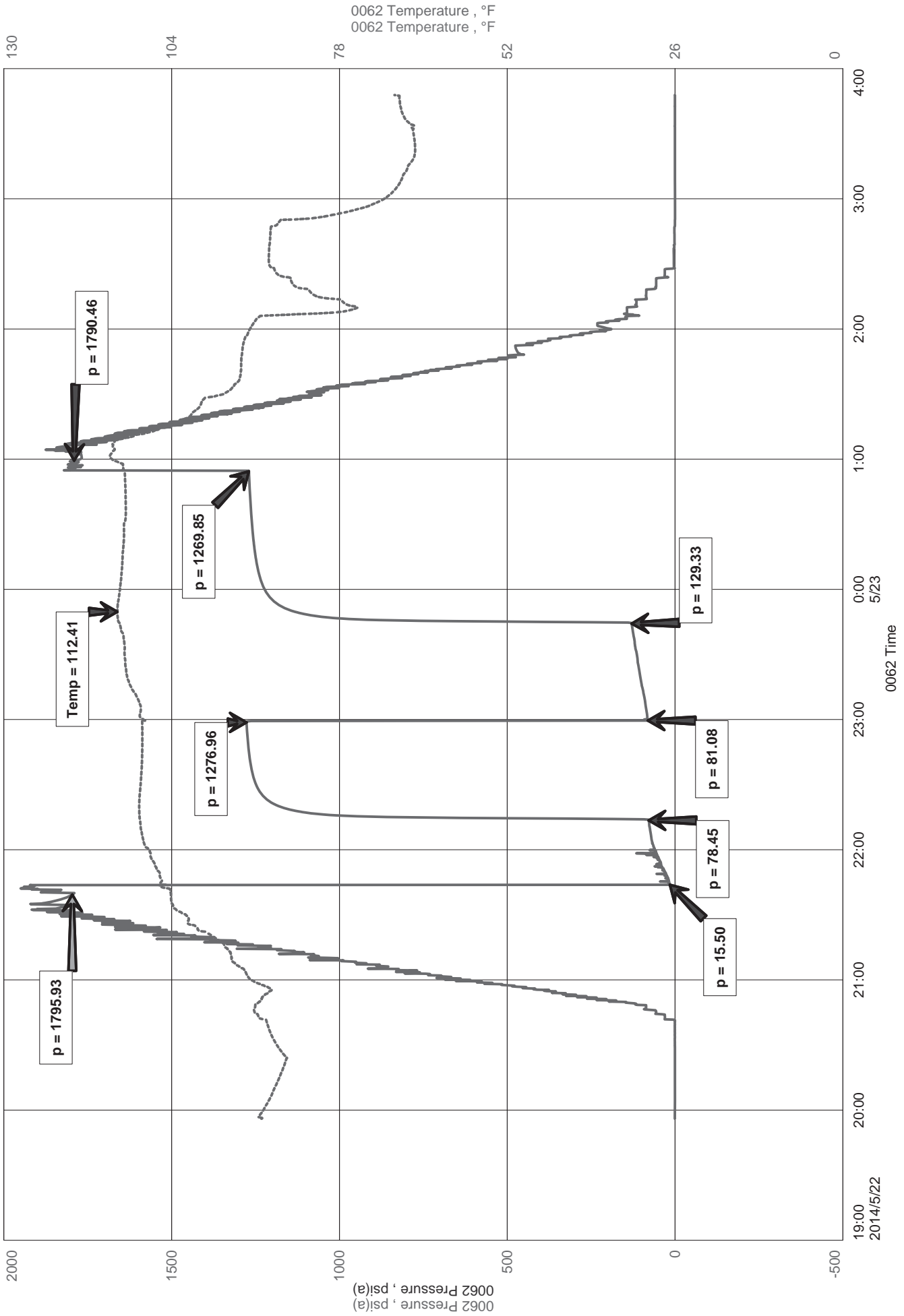
Recovered _____ ft. of _____	RW: .32 @ 69 DEG	Price Job
Recovered _____ ft. of _____	PH: 9	Other Charges
Remarks: _____	Chlorides: 183,000	Insurance
_____	_____	Total

Time Set Packer(s) 9:42 PM May 21 ^{A.M.}/_{P.M.} Time Started Off Bottom 12:42 AM May 22 ^{A.M.}/_{P.M.} Maximum Temperature 112

Initial Hydrostatic Pressure..... (A) 1796 P.S.I.
Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 78 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1277 P.S.I.
Final Flow Period..... Minutes 45 (E) 81 P.S.I. to (F) 129 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1270 P.S.I.
Final Hydrostatic Pressure..... (H) 1790 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Ivan 1-1





Diamond Testing LLC
 P.O. Box 157
 HoisingtonKS 67544

Ricky Ray - Tester
(620) 617-7261

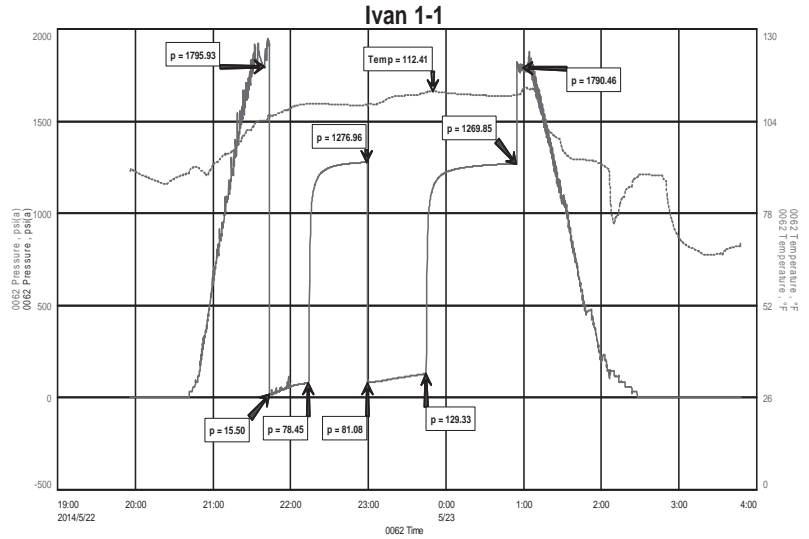
Wellsite Report

General Information

Company Name	L.D Drilling Inc
Contact	L.D Davis
Well Operator	L.D Drilling Inc
Well Name	Ivan 1-1
Surface Location	Sec: 1-223s-14w (Stafford County)
Field	unknown
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	Kim Shoemaker
Gauge Name	0062

Test Information

Job Number	R003
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 4 Simp/Arb (3800-3868)
Start Test Date	2014/05/21 YYYY/MM/DD
Start Test Time	19:56:00 HH:mm:ss
Final Test Date	2014/05/22 YYYY/MM/DD
Final Test Time	03:47:00 HH:mm:ss



Test Results

Recovery:

10'	SLO&HMW	2% O	50% W	48% M
124'	M	100% M		
116'	HWM	48% W	52%W	
240'	Total Fluid			

Tool Sample: 1% O 39% W 60% M

RW: .32 @ 69 DEG
 PH: 9
 chlorides: 182,000

Mud-Co / Service Mud Inc. ^{3600'}

100 S. Main, Suite #310 • Wichita, KS 67202 • Ph. 316-264-2814 • Fax 316-264-5024 ^{3640'-60'}

Jim Roberts - Chuck Latham ^{3850'}

Pratt, KS Warehouse
Ph. 620-672-2957 24 Hr.

Lamar, CO Warehouse
Ph. 719-336-8114 24 Hr.

Hays, KS Warehouse
Ph. 785-621-4232

Reid Atkins
Colby, KS
785-694-3741

TD-3942'
4081.67 - 4 1/2 - 95 AS
-15.86 - 94 out

#1, #2 ON TRUCK
ARE ON BOTTOM ROW.

Rick Hughes
Great Bend, KS
620-791-7623

-44.11 - 93 out
-44.17 - 92 out

RUN #1, #2 AFTER
ALL OF TOP ROW.

Jason Whiting
Great Bend, KS
620-282-0556

-44.10 - 91 out
3933.43

34 35 36 CENT-95, 3, 4, 5, 7, 8, 9, 10

Tony Maestas
Lamar, CO
316-772-6679

+10.00 - LJ
3943.43

1 2 3 4 5 6 7 8 BASKET - BASKET BOTTOM #5?
AT 3839'

Brad Bortz
Pratt, KS
620-793-2421

SET 4 1/2 AS 3939' W/LJ
3939.43

Jody Dietz
Coldwater, KS
620-770-0607

#95 - 13.40
#3 - 42.28 - 3883.75

30 29 28 27 26 25 30
31 32 33 34 35 36 37

Gary Schmidberger
Hays, KS
785-259-2757

#4 - 44.10 - 3839.65
#5 - 43.18 - 3796.47

3 SCRATCHER
3 SCRATCHER

Justin Whiting
Scott City, KS
620-214-3630

#6 - 44.40 - 3752.07
#7 - 37.64 - 3714.43

John Boele
Sterling, KS
620-204-0522

#8 - 42.25 - 3672.18
#9 - 44.09 - 3628.09

3 SCRATCHER
3 SCRATCHER

#10 - 44.11 - 3583.98



Petromark Drilling

PIPE TALLY

TW-3942'
LTD-3940'

CUSTOMER WJ DUVAN #1-1 DATE _____

CARRIER _____ /B.L.# _____ CUST. ORDER NO. _____

STORE LOCATION _____ P.O.# _____ LOCATION: _____

SIZE _____ WT. _____ GRADE _____ MILL _____ RANGE _____ THREAD _____

No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.
21	42	68	26	44	13	51	44	13	76	44	12	101			126			151			176		
22	42	71	27	44	08	52	44	39	77	44	16	102			127			152			177		
3	42	28	28	44	17	53	44	09	78	44	12	103			128			153			178		
4	44	10	29	43	45	54	44	15	79	44	35	104			129			154			179		
5	43	18	30	44	12	55	44	14	80	44	32	105			130			155			180		
6	44	40	31	44	18	56	44	16	81	44	35	106			131			156			181		
7	37	64	32	44	13	57	44	10	82	44	09	107			132			157			182		
8	42	25	33	44	12	58	44	10	83	44	32	108			133			158			183		
9	44	09	34	44	14	59	44	15	84	44	08	109			134			159			184		
10	44	11	35	44	11	60	44	13	85	44	10	110			135			160			185		
11	44	30	36	44	36	61	39	08	86	44	15	111			136			161			186		
12	44	10	37	43	42	62	44	29	87	41	14	112			137			162			187		
13	39	35	38	44	22	63	44	12	88	44	11	113			138			163			188		
14	44	11	39	44	13	64	44	36	89	44	34	114			139			164			189		
15	44	13	40	44	44	65	44	13	90	44	12	115			140			165			190		
16	44	12	41	44	10	66	44	11	91	44	10	116	OUT		141			166			191		
17	43	43	42	44	11	67	44	34	92	44	17	117	OUT		142			167			192		
18	39	50	43	41	17	68	44	38	93	44	11	118	OUT		143			168			193		
19	44	22	44	44	16	69	42	24	94	15	86	119	OUT		144			169			194		
20	44	09	45	44	14	70	39	64	95	13	40	120	SHOE	145			170			195			
21	43	30	46	44	07	71	44	12	96			121			146			171			196		
22	35	74	47	44	11	72	43	42	97			122			147			172			197		
23	44	15	48	44	14	73	44	38	98			123			148			173			198		
24	44	13	49	44	15	74	44	12	99			124			149			174			199		
25	42	30	50	44	14	75	44	14	100			125			150			175			200		
Total																							

NO. JOINTS _____

TALLIED BY _____



10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 10728 A

DATE _____ TICKET NO. _____

DATE OF JOB 5-23-14	DISTRICT PRATT, KS	NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:				
CUSTOMER CD DROLLING	LEASE IUVAN 1-1	WELL NO.				
ADDRESS	COUNTY STAFFORD	STATE KS				
CITY	STATE	SERVICE CREW KC, McCRAW, JUST				
AUTHORIZED BY	JOB TYPE: CNW-LOWESTRONG					
EQUIPMENT# 19907	HRS	EQUIPMENT# 19826	HRS 1/2	EQUIPMENT#	HRS	TRUCK CALLED 5-22 AM 7:00
77686	1/2	19860				ARRIVED AT JOB 5-22 PM 2:00
19905						START OPERATION 5-23 AM 0:30
						FINISH OPERATION 1 AM 0:20
						RELEASED 1 AM 0:30
						MILES FROM STATION TO WELL 45

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP103	50/50 P02	SK	175		1925.00
CP104	60/40 P07	SK	30		360.00
CC102	CELOPORATE	Lb.	44		162.80
CC113	64FSUM	Lb.	735		531.25
CC129	FUA-322	Lb.	74		555.00
CC201	C. PERSONS TB	Lb.	1050		703.50
Q-700	KCL	Lb.	327		595.50
E704	CLAY MAX	gal	3		105.00
CC151	MUDFUSA	gal	1000		1500.00
CF606	4 1/2 LARK DOWN PULC	EA	1		370.00
CF750	4 1/2 IN FRONT STOP	EA	1		330.00
CF1650	4 1/2 TURBOLIDER	EA	8		680.00
CF1900	4 1/2 BASKET	EA	1		270.00
CF2000	4 1/2 SCRATCHER	EA	12		840.00
E100	PECKER MILE.	Mi.	30		127.50
E101	TRUCK MILE.	Mi.	60		420.00
E113	BULK DELIVERY	TM	260		570.70
CE204	DEPTH CHARGE 301' - 400'	EA	1		2160.00
CE240	BLENDED CHARGE	SK	205		287.00
CE504	REG. CON TROWEL	EA	1		250.00
500	CHEMICAL ACID/TA SUPERMUDSON	EA	1		175.00
				SUB TOTAL	250.00
					175.00
				SERVICE & EQUIPMENT	%TAX ON \$
				MATERIALS	%TAX ON \$
				TOTAL	9833.22

BASIC

energy services, L.P.

TREATMENT REPORT

Customer LD DRILLING	Lease No.	Date 5-23-14
Lease FUAN	Well # 1-1	
Field Order 10128	Station PRAST, KS	Casing 4 1/2
	Depth 3939	County STAFFORD
		State KS
Type Job Cmn-CONCRETE	Formation TD-3942'	Legal Description 1-23-14

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
4 1/2							
Depth 3939	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 3726	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative LD	Station Manager KEVIN	Treater GORDLEY
-----------------------------------	------------------------------	------------------------

Service Units 19907	77686-79905	19826-19860
Driver Names KS	McLANN	JOSH

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
2200					ON LOCATION 13'-S.T.
					RUN 3938' 4 1/2" O.C. - 91 JTS
					FLONT. STEEL LATCH BAFFLE 1st COLLAR
					CENT-1, 2, 3, 4, 6, 7, 8, 9 BASKET-5
					SCRATCHER - 2, 3, 8, 9
0030					THE BOTTOM, DROP BALL, CORECATCHER
					RECIPROCATING CASING
0130	360		5	5	PUMP 5 bbl H₂O
	360		24	5	PUMP 24 bbl MANUFUNSA
	360		5	5	PUMP 5 bbl H₂O
	700		42	5	MIX 175 SK 50/50 P02 2% CCB,
					5% C4P SUM, 5% HCL, .5% FLA-302,
					1/4" 1/4" CENTRIK, 6" SK P. DISONITE
					14.0 PPB, 1.35 CPT/SK, 5.4 H₂O/SK
					STOP - IN WASH LINE - DROP PLUG
	0		0	6	START DISP W/ 2% HCL H₂O
	200		35	6	LEFT CEMENT
0200	2000		625	4	PLUG DOWN - HEAD

PLUG RATTLE - 30 SK 60/40 P02

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.

LEASE # 1-1 IVAN

FIELD WILDCAT

LOCATION 834' ENL & 581' FEL

SEC 1 TWP 23s RGE 14w

COUNTY STAFFORD STATE KANSAS

CONTRACTOR PETROMARK DRILLING RIG 2

SPUD 5-13-14 COMP 5-23-14

RTD 3942 LTD 3940

MUD UP 2998 TYPE MUD CHEMICAL

ELEVATIONS

KB 1930

DF _____

GL 1925

Measurements Are All From 1930 KB

CASING

SURFACE 8 5/8" @ 322'

PRODUCTION 4 1/2" @

ELECTRICAL SURVEYS
DUAL IND., DENS-N.

SAMPLES SAVED FROM 3200 TO 3940

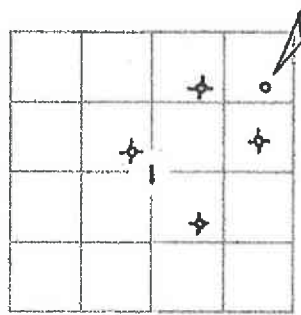
DRILLING TIME KEPT FROM 3100 TO 3942

SAMPLES EXAMINED FROM 3200 TO 3942

GEOLOGICAL SUPERVISION FROM 3400 TO 3942

GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	807 + 1123	807 + 1123
B/ ANH.	828 + 1102	829 + 1101
HEEBNER	3323 - 1393	3326 - 1396
BROWN LIME	3453 - 1523	3455 - 1525
LANSING	3473 - 1543	3475 - 1545
B/KC	3683 - 1753	3691 - 1761
VIOLA	3770 - 1840	3765 - 1835
SIMPSON	3810 - 1880	3812 - 1882
ARBUCKLE	3861 - 1931	3862 - 1932



API: 15-185-23864

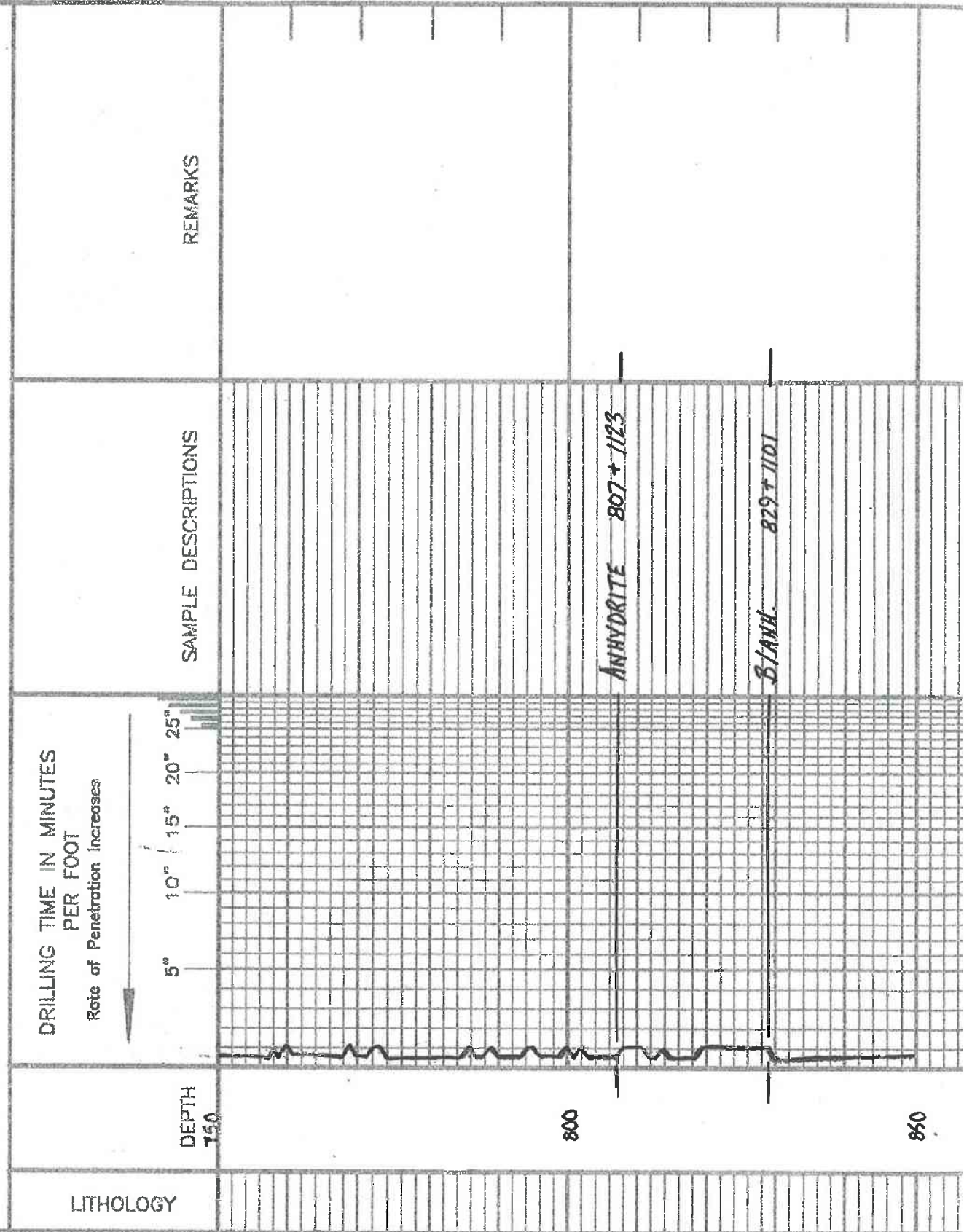
REMARKS

5-12-14 Mixed In
5-13 SPUD
5-14 @ 762'
5-15 @ 2210'
5-16 @ 2982'
5-17 @ 2988'
5-18 @ 3238'
5-19 @ 3550'
5-20 @ 3610'
5-21 @ 3742'
5-22 @ 3885'
5-23 @ 3940'

LEGEND

- Anhydrite
- Salt
- Sandstone
- Shale
- Carb sh
- Limestone
- Coal Lime
- Chert
- Dolomite

SHOE01-11



3400

3500

3600

3700

Sh. gy. clay - silty

Sh. gy. clay

BROWN LIME 3455-1525

45. Bl. VSR - Foss

Sh. clay

LANSING 3475-1545

45. Bl. VSR - Foss

45. T. gy. VSR - Foss

45. Bl. VSR - Foss

45. T. gy. VSR - Foss

45. T. gy. VSR - Foss

45. Bl. VSR - Foss

Sh. clay

45. Bl. VSR - Foss

45. Bl. VSR - Foss

45. Bl. VSR - Foss

45. Bl. VSR - Foss

45. Bl. VSR - Foss

45. Bl. VSR - Foss

Sh. clay

45. Bl. VSR - Foss

45. Bl. VSR - Foss

45. Bl. VSR - Foss

45. Bl. VSR - Foss

45. Bl. VSR - Foss

45. Bl. VSR - Foss

Sh. clay

45. Bl. VSR - Foss

45. Bl. VSR - Foss

45. Bl. VSR - Foss

B/KC 3691-1761

45. Bl. VSR - Foss

45. Bl. VSR - Foss

Sh. clay

45. Bl. VSR - Foss

Sh. clay

DST (1)



WT 90
WT 12.6
CNC 10.60

DST (2)



DST (3)



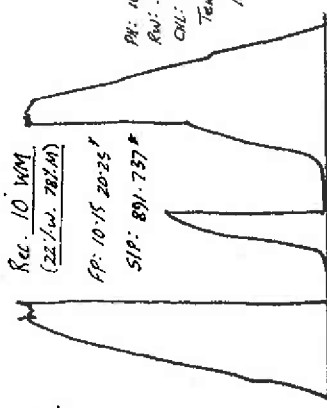
WT 95
WT 12.6
CNC 15.700

VSR LOG

DST (1) 3494-3550

1st OPEN: 14" Blow
2nd OPEN: No "

30.30 - 30.30



Rec. 10 WM
(22' LW. 20' AM)

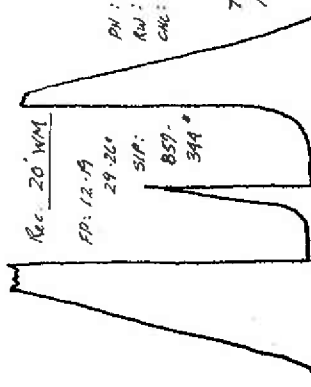
FP: 10' 15" 2025'

SIP: 891.737'

PH: 10
RW: 3
CNC: 3/100
Temp: 101°F

DST (2) 3589-3610

1st OPEN: 3 1/4" Blow
2nd OPEN: Surface Blow died 17 min.
30.30 - 30.30



Rec. 20 WM

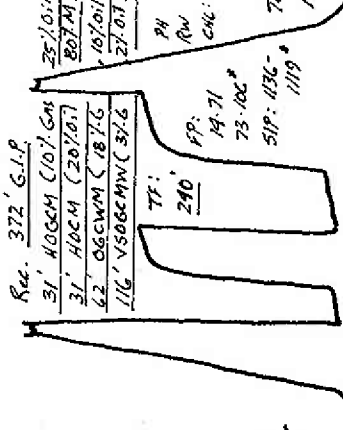
FP: 12' 19" 2926'

SIP: 857.344'

PH: 10
RW: 35 @ 20°F
CNC: 180,000
Temp: 108°F

DST (3) 3606-3660

1st OPEN: 500lb bucket 21 min.
2nd OPEN: " " 20.5 "
30.45 - 45' 60



Rec. 372' G.I.P.

31' HOCM (10' CM)

31' HOCM (20' CM)

42' HOCM (18' G)

116' VSOBGMV (37' G)

TF: 240'

FP: 14' 71" 75.100'

SIP: 1136.119'

Temp: 105°F

PH 9
RW 17 @ 82°F
CNC: 320,000 ?

Tool Sample: 12' 101. 63' LW. 25' MW.

