



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
_____ 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 Bbls.	Gas Mcf	Water Bbls.	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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	H & D Exploration LLC
Well Name	Doonan 'A' 2
Doc ID	1137124

All Electric Logs Run

Dual Induction Log
CNL/CDL Log
Microresistivity Log
Sonic Porosity Log

Form	ACO1 - Well Completion
Operator	H & D Exploration LLC
Well Name	Doonan 'A' 2
Doc ID	1137124

Tops

Name	Top	Datum
Anhydrite	739	+1100
Base anhydrite	761	+1078
Heebner	3007	-1168
Toronto	3018	-1179
Douglas	3031	-1192
Brown Lime	3095	-125556
Lansing	3107	-1268
Base Kansas City	3325	-1486
Conglomerate	333	-1494
Arbuckle	3348	-1509
RTD	3420	-1581
LTD	3418	-1579

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY H&D Exploration LLC

LEASE Doonan 'A' #2

FIELD Lake Barton

LOCATION NW-NE-SE-NW (1520' FNL 2234' FNL)

SEC 28 TWP 18 S RGE 13 W

COUNTY Barton STATE Kansas

CONTRACTOR Southwind Drilling Co. (rig #6)

SPUD 12/18/12 COMP 12/30/12

RTD 3420 LTD 3418

MUD UP 2860' TYPE MUD Chemicals displaced

SAMPLES SAVED FROM 2900

DRILLING TIME KEPT FROM 2900

SAMPLES EXAMINED FROM 2900

GEOLOGICAL SUPERVISION FROM 3050

GEOLOGIST ON WELL Jim Musgrove

FORMATION TOPS LOG SAMPLES

anhydrite	739	+1100
Base anhydrite	761	+1078
Hebner	807	-1168
Toronto	2018	-1179
Douglas	3031	-1192
Brown lime	3095	-1256
Leaning	3107	-1268
Base Kansas G. by	3325	-1486
Amberst	3333	-1494
Arbuckle	3348	-1509
RTD	3420	-1581
WTD	3418	-1579

ELEVATIONS

KB 1839

DF

CL 1831

Measurements Are All From -KB-

CASING SURFACE 85/8" 116 745'
 PRODUCTION - none -

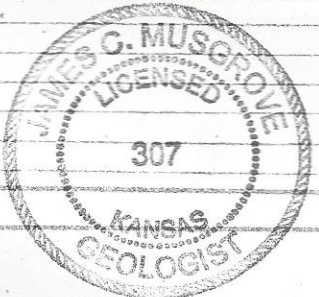
ELECTRICAL SURVEYS
 Pioneer Energy Services;
 DIZ, CNL/EDL, Micon & Sonic

RTD

REMARKS

The Doonan 'A' #2 was plugged & abandoned at the RTD 3420

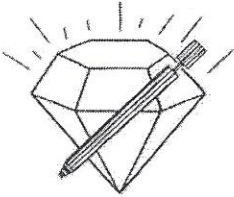
Respectfully Submitted;
 James C. Musgrove
 Petroleum Geologist



LEGEND

Anhydrite	Salt	Sandstone	Shale	Carb sh	Limestone	Ool. Lime	Chert	Dolomite

DRILLING TIME



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC/DOONANA#2DST1

Company H & D Exploration, LLC Lease & Well No. Doonan "A" No. 2
 Elevation 1813 GL Formation Lansing "A-G" Effective Pay Ft. Ticket No. J3061
 Date 12-28-12 Sec. 28 Twp. 18S Range 13W County Barton State Kansas
 Test Approved By James C. Musgrove Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,121 ft. to 3,192 ft. Total Depth 3,192 ft.
 Packer Depth 3,116 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Packer Depth 3,121 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,124 ft. Recorder Number 30046 Cap. 6,000 psi.
 Bottom Recorder Depth (Outside) 3,189 ft. Recorder Number 11073 Cap. 4,000 psi.
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 6 Drill Collar Length ft. I.D. in.
 Mud Type Chemical Viscosity 45 Weight Pipe Length ft. I.D. in.
 Weight 8.9 Water Loss 10.5 cc. Drill Pipe Length 3,101 ft. I.D. 3 1/2 in.
 Chlorides 11,500 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 71 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: Weak, 1/2 in. blow decreasing to 1/4 in. blow. No blow back during shut-in.

2nd Open: No blow. No blow back during shut-in.

Recovered 25 ft. of drilling mud = .355750 bbls.
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Remarks

Time Set Packer(s) 3:45 A.M. Time Started off Bottom 5:45 A.M. Maximum Temperature 93°
 Initial Hydrostatic Pressure.....(A) 1461 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 18 P.S.I. to (C) 19 P.S.I.
 Initial Closed In Period.....Minutes 30 (D) 732 P.S.I.
 Final Flow Period.....Minutes 30 (E) 21 P.S.I. to (F) 25 P.S.I.
 Final Closed In Period.....Minutes 30 (G) 658 P.S.I.
 Final Hydrostatic Pressure.....(H) 1444 P.S.I.

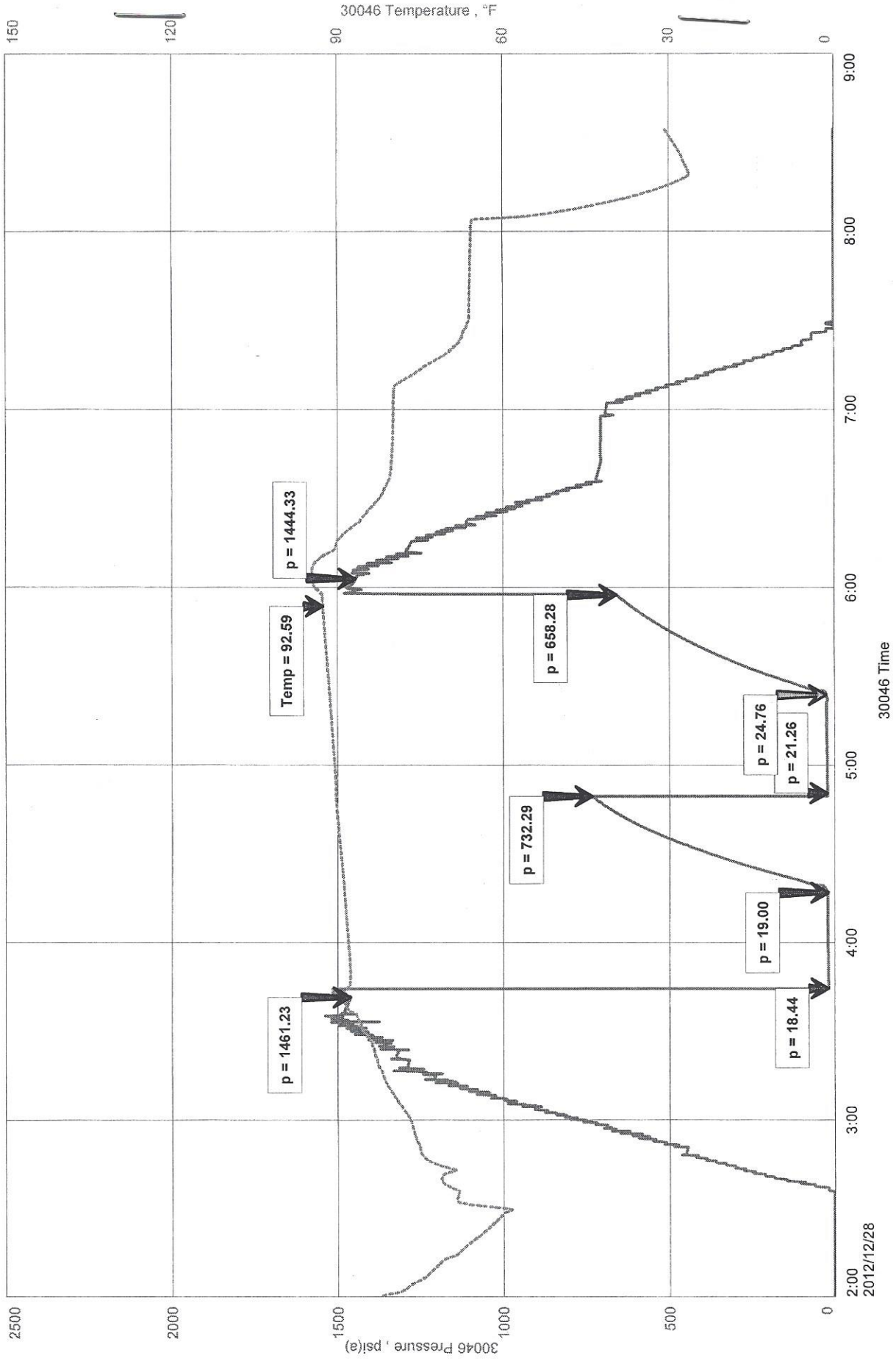
H+D EXPLORATION

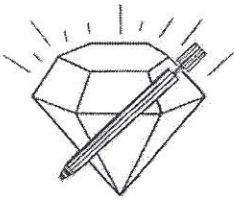
Start Test Date: 2012/12/28

Final Test Date: 2012/12/28

DOONAN "A" #2
Formation: LANSING "A-G"
Job Number: D1265

DOONAN "A" #2





DIAMOND TESTING

P.O. Box 157

Page 1 of 2 Pages

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC/DOONANA#2DST2

Company H & D Exploration, LLC Lease & Well No. Doonan "A" No. 2
 Elevation 1813 GL Formation Lansing "H-J" Effective Pay Ft. Ticket No. J3062
 Date 12-29-12 Sec. 28 Twp. 18S Range 13W County Barton State Kansas
 Test Approved By James C. Musgrove Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,266 ft. to 3,366 ft. Total Depth 3,366 ft.
 Packer Depth 3,261 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Packer Depth 3,266 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,269 ft. Recorder Number 30046 Cap. 6,000 psi.
 Bottom Recorder Depth (Outside) 3,363 ft. Recorder Number 11073 Cap. 4,000 psi.
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 6 Drill Collar Length ft. I.D. in.
 Mud Type Chemical Viscosity 49 Weight Pipe Length ft. I.D. in.
 Weight 9.1 Water Loss 8.0 cc. Drill Pipe Length 3,246 ft. I.D. 3 1/2 in.
 Chlorides 11,500 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 100 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: Weak, 1 in. blow. No blow back during shut-in.

2nd Open: Weak, 1/2 in. blow. No blow back during shut-in.

Recovered 40 ft. of very slightly oil cut mud = .569200 bbls. (Grind out: 1%-oil; 99%-mud)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Clean oil in tool.

Time Set Packer(s) 3:15 A.M. Time Started off Bottom 5:15 A.M. Maximum Temperature 95°

Initial Hydrostatic Pressure.....(A) 1540 P.S.I.

Initial Flow Period.....Minutes 30 (B) 20 P.S.I. to (C) 28 P.S.I.

Initial Closed In Period.....Minutes 30 (D) 61 P.S.I.

Final Flow Period.....Minutes 30 (E) 28 P.S.I. to (F) 32 P.S.I.

Final Closed In Period.....Minutes 30 (G) 51 P.S.I.

Final Hydrostatic Pressure.....(H) 1517 P.S.I.

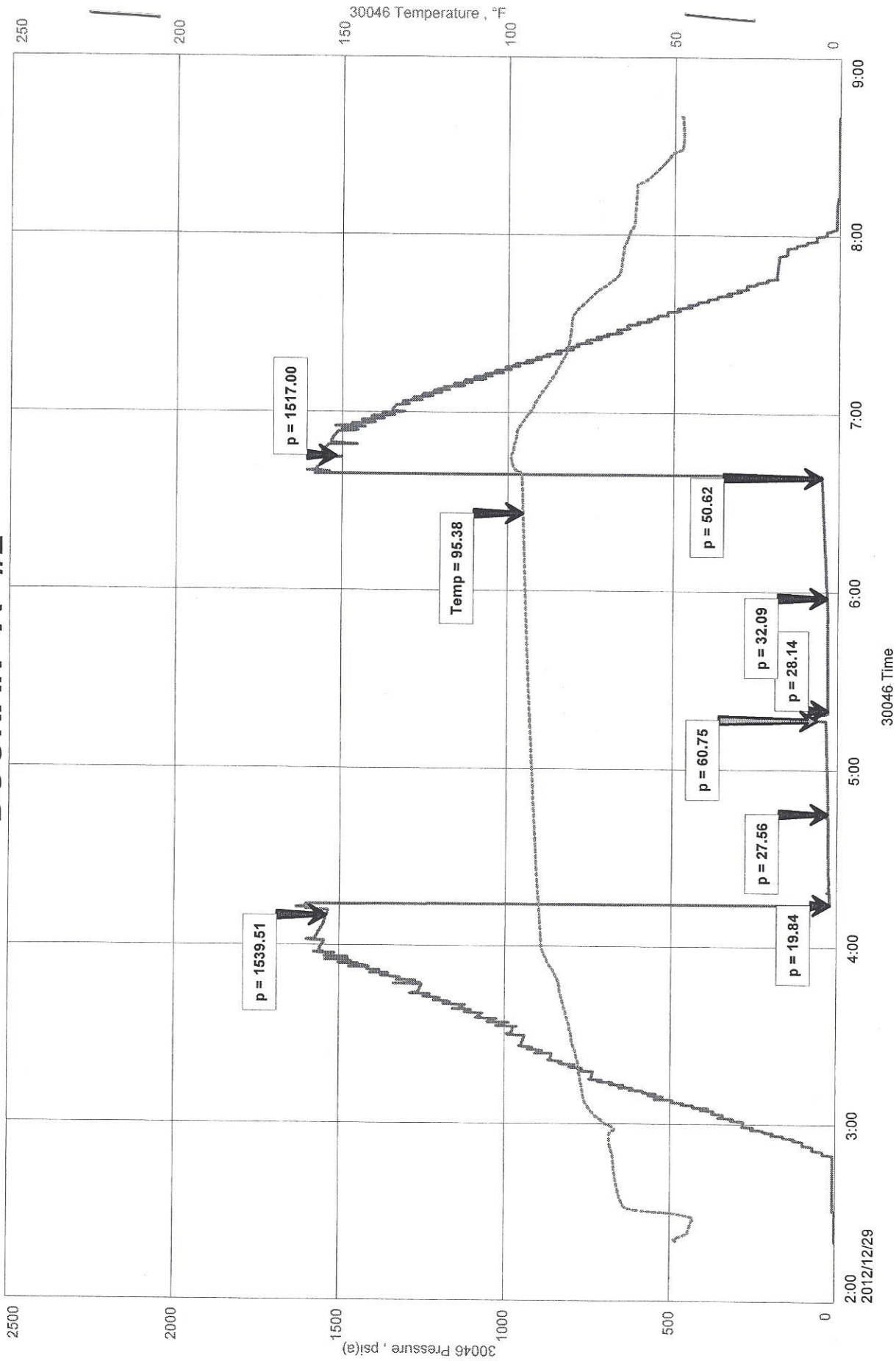
H+D EXPLORATION

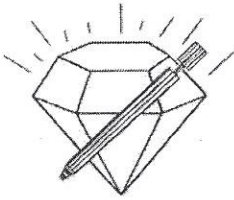
Start Test Date: 2012/12/29

Final Test Date: 2012/12/29

DOONAN "A" #2

DOONAN "A" #2
Formation: DST #2 LANSING "H-J"
Job Number: D1266





DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC/DOONANA#2DST3

Company H & D Exploration, LLC Lease & Well No. Doonan "A" No. 2
 Elevation 1813 GL Formation Arbuckle Effective Pay _____ Ft. Ticket No. J3063
 Date 12-29-12 Sec. 28 Twp. 18S Range 13W County Barton State Kansas
 Test Approved By James C. Musgrove Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,320 ft. to 3,361 ft. Total Depth 3,361 ft.
 Packer Depth 3,315 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3,320 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,323 ft. Recorder Number 30046 Cap. 6,000 psi.
 Bottom Recorder Depth (Outside) 3,358 ft. Recorder Number 11017 Cap. 4,000 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 6 Drill Collar Length _____ ft I.D. _____ in.
 Mud Type Chemical Viscosity 49 Weight Pipe Length _____ ft I.D. _____ in.
 Weight 9.0 Water Loss 8.0 cc. Drill Pipe Length 3,300 ft I.D. 3 1/2 in.
 Chlorides 11,500 P.P.M. Test Tool Length 20 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 41 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: Weak, 1/2 in. blow. No blow back during shut-in.
 2nd Open: No blow. No blow back during shut-in.

Recovered 10 ft. of oil specked mud = .142300 bbls.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks _____

Time Set Packer(s) 10:30 P.M. Time Started off Bottom 12:30 A.M. Maximum Temperature 93°
 Initial Hydrostatic Pressure.....(A) 1586 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 13 P.S.I. to (C) 15 P.S.I.
 Initial Closed In Period.....Minutes 30 (D) 168 P.S.I.
 Final Flow Period.....Minutes 30 (E) 14 P.S.I. to (F) 15 P.S.I.
 Final Closed In Period.....Minutes 30 (G) 77 P.S.I.
 Final Hydrostatic Pressure.....(H) 1542 P.S.I.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6123

Date	Sec.	Twp.	Range	County	State	On Location	Finish
12-19-12	28	18	13	Barton	Ks		8:30 PM

Lease	Well No.	Owner
Doonan A	2	3/4 N, W 1/4

Contractor	#6	To: Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job		

Hole Size	T.D.	Charge To
12 1/2"	745'	HD Exploration

Csg.	Depth	Street
8 5/8"	745'	

Tbg. Size	Depth	City	State

Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg.	Shoe Joint	Cement Amount Ordered
57'	57'	300 Common 3% CC 2% 60

Meas Line	Displace	
	43 3/4 BLS	

EQUIPMENT

Pumptrk	No.	Cementer	Common
16		Helper Travis	
Bulktrk	No.	Driver	Poz. Mix
13		Lonnie M.	
Bulktrk	No.	Driver	Gel.
p.u.		Rick	
			Calcium

JOB SERVICES & REMARKS

Remarks:	Hulls
Cement did Circulate	Salt
	Flowseal
Rat Hole	Kol-Seal
	Mud CLR 48
Mouse Hole	CFL-117 or CD110 CAF 38
Centralizers	Sand
Baskets	Handling
D/V or Port Collar	Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	1 - Baffle plate
	1 - Rubber plug
	Pumptrk Charge
	Mileage

	Tax
	Discount
	Total Charge

X Signature *G. A. [Signature]*