



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1197555
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: _____

1197555

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 <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 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
<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: <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------	-------	---------	------------	---

Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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: _____ _____
--	--	---

SCHIPPER'S OIL FIELD SERVICES, L.L.C.

1206

* Sander #1

REMIT TO

18048 170RD

API # - 15-167-23933-0000

SERVICE POINT:

RUSSELL, KS 67665

Russell, KS

DATE <u>2-13-14</u>	SEC. <u>33</u>	TWP. <u>13</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START <u>6:15am</u>	JOB FINISH <u>6:45am</u>
LEASE <u>Sander</u>	WELL #. <u>1</u>	LOCATION				COUNTY <u>Russell</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (CIRCLE ONE)							

CONTRACTOR Southwind #2

TYPE OF JOB Long surface

HOLE SIZE 12 1/4 T.D. 938

CASING SIZE 8 5/8 DEPTH 927.42

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 800ps MINIMUM 200ps

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 40.36

PERFS

DISPLACEMENT 57.19 bbl

EQUIPMENT

PUMP TRUCK CEMENTER Heath

PI HELPER Coody

BULK TRUCK

B1 DRIVER Eric - Mark

BULK TRUCK

DRIVER

OWNER

CEMENT AMOUNT ORDERED 400 sr com 30%CC

290gel

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

Ran 23 hrs of 8 5/8 casing and landing st

est circulation with mud pump

Mix 400 sr and shut down - release plug

and d. sp 57.19 bbl of H2O - Plug landed

@ 820 ps. - shut in

Cement did circulate to surface

about 50% to pit

CHARGE TO: Lonestar Oil Company

STREET

CITY STATE ZIP

Schippers Oil Field Services, L.L.C.,
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME William Sanders

SIGNATURE William Sanders

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

8 5/8 Rubber Plug @

8 5/8 h/ltc plate @

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

SCHIPPER'S OIL FIELD SERVICES, L.L.C.

1210

REMIT TO 18048 170RD
RUSSELL, KS 67665

* Sander #1

API# -

15-167-23933-0000

SERVICE POINT:

Russell, KS

DATE: 2-18-14	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START 7:15pm	JOB FINISH 7:45pm
LEASE Sander	WELL #. 1	LOCATION Gorham, KS 1E 1/2S			COUNTY Russell	STATE KS	
OLD OR <u>NEW</u> (CIRCLE ONE)			Einto				

CONTRACTOR Southwind #2

TYPE OF JOB Long string

HOLE SIZE 7 7/8 T.D.

CASING SIZE 5 1/2 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 1500psi MINIMUM 100psi

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS

DISPLACEMENT

OWNER

CEMENT AMOUNT ORDERED 200sy com 10% salt

2% gel 2% plaster

EQUIPMENT

PUMP TRUCK CEMENTER Heath

P1 HELPER Cody

BULK TRUCK DRIVER Mark - Eric

B4

BULK TRUCK DRIVER

#

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

REMARKS:

Ran 82 Hrs of new 5 1/2 casing and landing
Jt - est circulation for 1 hr - Hook up and
mix 170sy - Shut down and wash pump
and lines clean - Hook up and disp
of H2O - Lifting pressure @ 1500 psi - Plug landed
@ 1500 psi - released and float held -

Plug RH = 30sy

CHARGE TO: Lonestar Oil

STREET

CITY STATE ZIP

Schippers Oil Field Services, L.L.C.,
You are hereby requested to rent cementing equipment and
furnish cementer and helper(s) to assist owner or contractor to
do work as is listed. The above work was done to satisfaction
and supervision of owner agent or contractor. I have read and
understand the "GENERAL TERMS AND CONDITIONS"
listed on the reverse side.

PRINTED NAME William Sanders

SIGNATURE William Sanders

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

90 gal Mud Pumps @

10 - Turbos @

1 - AFD Float shoe @

1 - 5 1/2 latched down plug @

1 - 5 1/2 basket @

TOTAL

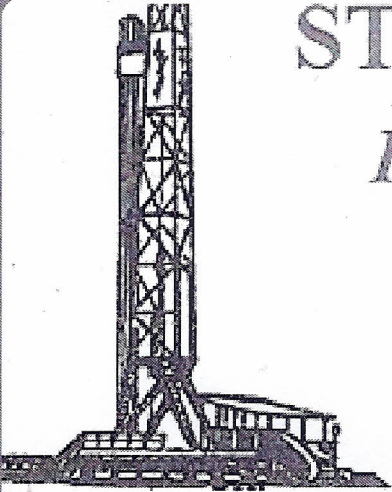
SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

STEVEN P. MURPHY, P.G.

Petroleum Geologist (KS #228)



RR#1, Box 69

Otis, Kansas 67565

geomurphy@gbta.net

Cell 620.639.3030

Fax 785.387.2400

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Sander #1 API # 15-167-23933-0000
Location: Russell County
License Number: 15-167-23933-00-00 Region: Kansas
Spud Date: 2/11/14 Drilling Completed: 2/18/14
Surface Coordinates: 2310' FSL & 1450' FWL (W/2 NW NE SW)
Section 33-T13S-R15W
Bottom Hole Coordinates: Same as above, vertical well with minimal deviation
Ground Elevation (ft): 1886' K.B. Elevation (ft): 1895'
Logged Interval (ft): 2700 To: TD Total Depth (ft): LTD - 3390/RTD - 3389'
Formation: Topeka through Precambrian
Type of Drilling Fluid: Chemical (Mudco - Gary Schmidtberger)

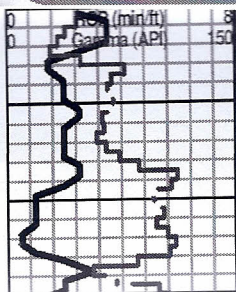
Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Jeff Crawford dba Lonestar Oil Co.
Address: P.O. Box 417
Victoria, KS 67671-0417

GEOLOGIST

Name: Steven P. Murphy, PG
Company: Consulting Petroleum Geologist
Address: 3365 CR 390
Otis, KS 67565



Southwind Rig #2 MIRU 2/11/14

8 5/8" Surface casing set @ 938'
Survey @ 938' - 1 degree

The following sample descriptions
were lagged to depth:

Anhydrite Top - 933 (+962)

Nabors performed the open-hole wireline logging with a stacked Dual Compensated Porosity Log, Dual Induction Log, & Microresistivity Log, The following are log tops of formations with associated datums (in parentheses) referenced to sea level:

- Anhydrite Top - 937 (+958)
- Anhydrite Base - 977 (+918)
- Howard 2718 (-823)
- Topeka 2780 (-885)
- King Hill 2895 (-964)
- Queen Hill 2919 (-1024)
- Heebner 3002 (-1107)
- Toronto 3020 (1125)
- Lansing 3050 (-1155)
- BKC 3292 (-1397)
- Gorham Sand 3298 (-1403)
- Granite Wash (Reagan) 3323 (-1428)
- Granite 3352 (-1457)

DSTs




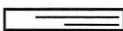
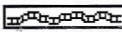
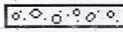

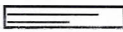
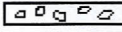

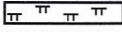

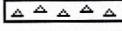





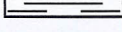

Drillstem testing was performed by Trilobite Testing (Hays, KS shop)

DST #1 3294-3304 (Gorham Sst)
 15:30:15:60
 IF: BOB 1 min, no return
 FF: BOB 1 min, no return
 Recovery: 1' clean oil, 1500' SMCW
 (95%W, 5% W)
 IHP: 1716 FHP: 1635
 IFP: 214-484 ISIP: 1075
 FFP: 522-734 FSIP: 1086
 BHT - 106 F
 Chlorides - 9,000 ppm

COMMENTS

The operator elected to run 5 1/2" production casing to attempt a completion in the Gorham Sst and/or Granite Wash (Reagon Sst). If unsuccessful, an attempt will be made to complete the well as a disposal/injection well.

ROCK TYPES

 Anhy	 Coal	 Lmst	 Shcol
 Bent	 Congl	 Meta	 Shgy
 Brec	 Dol	 Mrist	 Sltst
 Cht	 Gyp	 Salt	 Ss
 Clyst	 Igne	 Shale	 Till

OTHER SYMBOLS

OIL SHOW	 Dead	INTERVAL	EVENT
 Even	 Gas	 Core	 Conn
 Spotted		 Dst	 Rft
 Ques			 Sidewall

Curve Track 1

ROP (min/ft)

Gamma (API)

p. 3

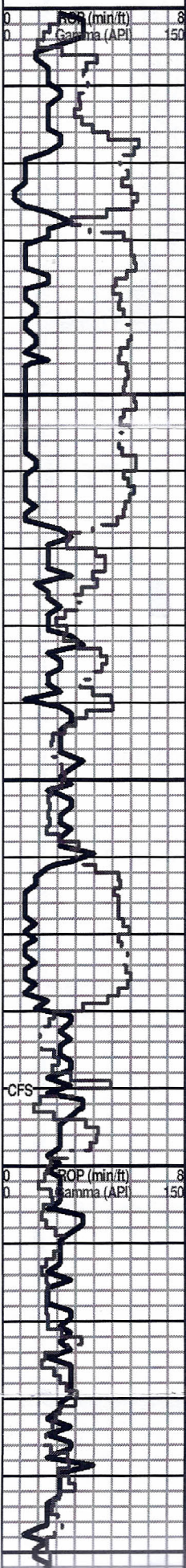
Geological Descriptions

REMARKS

Depth

Lithology

Oil Shows



Southwind Rig #2 MIRU 2/11/14

8 5/8" Surface casing set @ 938'
Survey @ 938' - 1 degree

The following sample descriptions
were lagged to depth:

Anhydrite Top - 933 (+962)

Mud displaced @ 2304'

2700

SH: dk gry w/tr fgr mic sst

HOWARD 2717 (-822)

LS: crm-tan, vfxln, dense, NS

LS: as above

2750

LS: as above

SH: gry-blk

TOPEKA 2780 (-885)

LS: crm-gry, fxlIn, mostly dense, sl foss, sl
chalky, nsfo or stn, fr odor (sulfurous)

CFS

2800

LS: tan-gry, fxlIn, foss, mostly dense, NS

LS: as above

LS: crm-tan-gry, vfxln, sl foss, dense, cherty,
NS

LS: as above

2850

LS: crm-tan, fxlIn, dense, chalky, NS

LS: as above

LS: crm-tan, fxln, dense, chalky, NS

KING HILL SH 2859 (-964)
SH: blk, carb

LS: crm-gry, fxln, dense, sl chalky, NS

LS: as above

LS: as above

QUEEN HILL SH 2917 (-1022)
SH: blk, carb

○ LS: crm-tan, fxln, oolic in pt, mostly dense, rare fr inxln por, ssfo, spotty stn, no odor

○ LS: crm-tan-gry, f-vfxln, rare oolic, mostly dense, ssfo, spotty live stn, no odor

LS: crm-tan-gry, vfxln, dense, NS

LS: as above

LS: as above

○ LS: crm-tan, f-vfxln, dense, cherty, sl chalky, ssfo on brk, spotty stn, no odor

HEEBNER 2999 (-1104)
SH: blk, carb
SH: gry-grn-blk

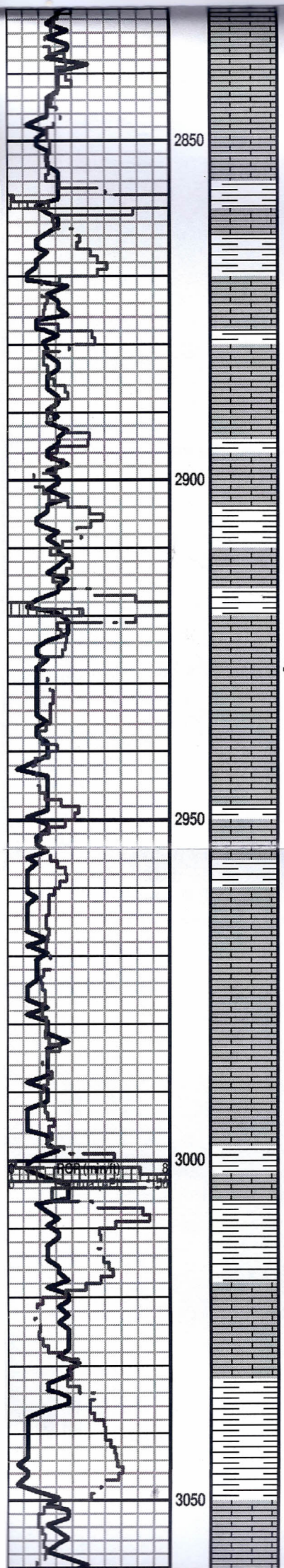
○ LS: wht-tan, fxln, oolic, fr ppt por, vssfo, fr live stn, sl odor

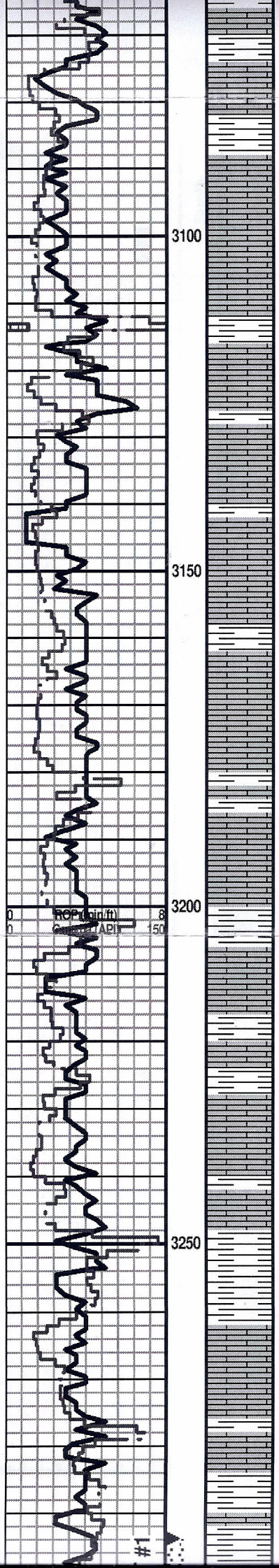
LS: as above

SH: gry-grn-red-blk

LANSING 3048 (-1153)

LS: wht-tan-gry, vfxln, dense, sl chalky, NS





SH: gry-bik-grn

LS: wht-tan, fxlIn, oolic in pt, fr vug por, ssfo, spotty live stn, fr odor

LS: wht-tan-gry, vfxln, dense, sl foss, NS

LS: as above

SH: gry-rust-grn

LS: wht-tan-gry, fxlIn, sl foss, pr-fr vug por, vssfo, spotty stn, fr odor

LS: wht-tan, fxlIn, oolic, fr vug por, fsfo, spotty-even dk stn, str odor

LS: as above w/gsfo, even dk stn, fr odor

LS: wht-tan-gry, vfxln, dense, sl foss, NS

LS: as above

LS: wht-tan, fxlIn, oolitic, pr inter-ool por, nsfo, tr lite spotty stn, sl odor

LS: wht-gry, vfxln, dense, sl chalky, NS

LS: wht-tan-gry, vfxln, dense, oolic in pt, sl chalky, NS

LS: as above

LS: wht-tan-gry, vfxln, dense, NS

LS: as above

LS: wht-tan, vfxln, dense, minor chert, NS

LS: as above

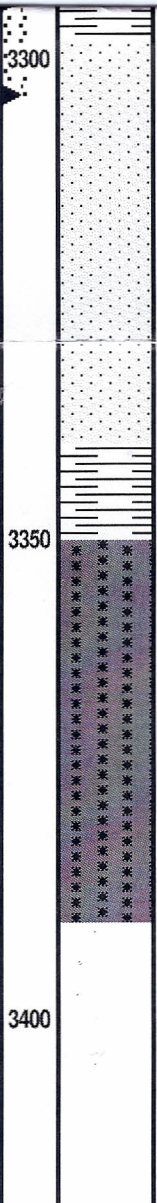
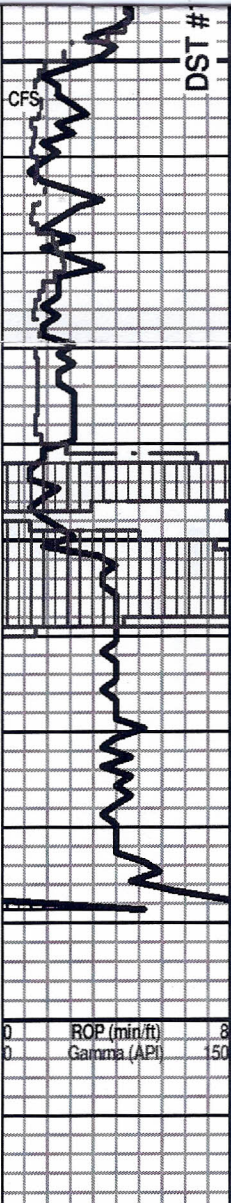
LS: wht-tan-gry, vfxln, dense, NS

LS: as above

LS: as above, cherty

LS: wht-tan, vfxln, dense, NS

DST #1 3294-3304 (Gorham Sst)
 15:30:15:60
 IF: BOB 1 min, no return
 FF: BOB 1 min, no return
 Recovery: 1' clean oil, 1500' SMCW



GORHAM SST 3300 (-1405)
 • Sst: clr-tan, med-crs gr, sub-ang, prly std, firm-friable clusters, gd inter-gran por, fsfo, even sat stn, str odor

• Sst: as above

• Sst: as above

SH: gry-blk-grn

GRANITE 3351 (-1456)
 Granite (clr qtz, blk biotite, orange), abund large rnd clr qtz

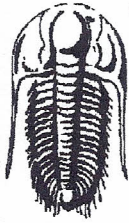
Granite as above

RTD @ 3389'
 LTD @ 3390'

P. 6

Recovery: 1' clean oil, 1500' SMCW (95%W, 5% W)
 IHP: 1716 FHP: 1635
 IFP: 214-484 ISIP: 1075
 FFP: 522-734 FSIP: 1086
 BHT - 106 F
 Chlorides - 9,000 ppm

Survey @ 3404' - 1 degree



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lonestar oil company

Sec. 33 - 13 s. - 15 w/ Russell

P.O. BOX 417
VICTORIA KS.
67671
ATTN: Steve murphy/ Jeff c

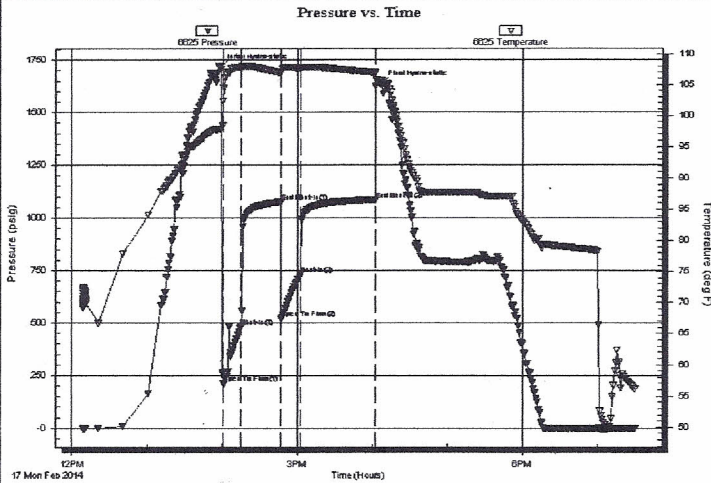
Sander #1
Job Ticket: 56699 DST#: 1
Test Start: 2014.02.17 @ 12:09:00

GENERAL INFORMATION:

Formation: **Gorham sand**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 14:01:00 Tester: Bob Hamel
 Time Test Ended: 19:29:30 Unit No: 67
 Interval: **3294.00 ft (KB) To 3304.00 ft (KB) (TVD)** Reference Elevations: 1895.00 ft (KB)
 Total Depth: 3304.00 ft (KB) (TVD) 1886.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

Serial #: **6625** Outside
 Press@RunDepth: 733.65 psig @ 3295.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.02.17 End Date: 2014.02.17 Last Calib.: 1899.12.30
 Start Time: 12:09:00 End Time: 19:29:30 Time On Btm: 2014.02.17 @ 13:58:30
 Time Off Btm: 2014.02.17 @ 16:07:00

TEST COMMENT: I.F. - 15 - 1/2 INT. BLOW BUILT TO (B.O.B. IN 1 MIN.)
 I.S.I. - 30 - NO B.B.
 F.F. - 15 - 1/2 INT. BLOW BUILT TO (B.O.B. IN 1 MIN.)
 F.S.I. - 60 - NO B.B.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1716.31	97.81	Initial Hydro-static
3	213.80	102.36	Open To Flow (1)
17	484.34	107.83	Shut-In(1)
48	1074.52	106.87	End Shut-In(1)
49	522.39	106.93	Open To Flow (2)
64	733.65	107.72	Shut-In(2)
124	1086.08	106.95	End Shut-In(2)
129	1634.75	105.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1500.00	Muddy Water	21.04
1.00	Clean oil	0.01

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

API # 15-164-23933-0000

Serial #: 6625

Outside Lonestar oil company

Sander #1 - Drill Stem

DST Test Number: 1

Pressure vs. Time

P.2

