

Confidentiality Requested:

☒ Yes ☐ NoKANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed
Form must be Signed
All blanks must be FilledWELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5046
 Name: Raymond Oil Company, Inc.
 Address 1: PO BOX 48788
 Address 2: _____
 City: WICHITA State: KS Zip: 67201 + 8788
 Contact Person: Clarke T. Sandberg
 Phone: (316) 267-4214
 CONTRACTOR: License # 35638
 Name: L D Drilling & Exploration, LLC
 Wellsite Geologist: Kim Shoemaker
 Purchaser: CHS

Designate Type of Completion:

☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ WSW ☐ SWD
☐ Gas ☐ DH ☐ EOR
☐ OG ☐ GSW
☐ 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 EOR ☐ Conv. to SWD
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #: _____
☐ Dual Completion Permit #: _____
☐ SWD Permit #: _____
☐ EOR Permit #: _____
☐ GSW Permit #: _____

2/02/2023 2/13/2023 4/13/2023
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

API No.: 15-083-22022-00-00

Spot Description: _____

SW-NE-NW-SW Sec. 15 Twp. 21 S. R. 23 ☐ East ☒ West
2042 Feet from ☐ North / ☒ South Line of Section
695 Feet from ☐ East / ☒ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☐ SE ☒ SWGPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84County: HodgemanLease Name: WELLENSIEK Well #: 1

Field Name: _____

Producing Formation: MissElevation: Ground: 2377 Kelly Bushing: 2382Total Vertical Depth: 4692 Plug Back Total Depth: 4686Amount of Surface Pipe Set and Cemented at: 261 FeetMultiple Stage Cementing Collar Used? ☒ Yes ☐ NoIf yes, show depth set: 1561 FeetIf Alternate II completion, cement circulated from: 1561feet depth to: 0 w/ 400 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 9600 ppm Fluid volume: 500 bblsDewatering method used: Evaporated

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: 05/16/2023
☐ Confidential Release Date: 05/15/2025
☒ Wireline Log Received ☒ Drill Stem Tests Received
☒ Geologist Report / Mud Logs Received
☐ UIC Distribution
 ALT ☐ I ☒ II ☐ III Approved by: David Befort Date: 06/08/2023

Operator Name: Raymond Oil Company, Inc. Lease Name: WELLENSIEK Well #: 1
 Sec. 15 Twp. 21 S. R. 23 ☐ East ☒ West County: Hodgeman

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 ☒ Yes ☐ No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey ☒ Yes ☐ No Cores Taken ☐ Yes ☒ No Electric Log Run ☒ Yes ☐ No Geologist Report / Mud Logs ☒ Yes ☐ No List All E. Logs Run: Micro Dual Ind. Comp N/D	☒ Log Formation (Top), Depth and Datum ☐ Sample <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Anhy</td> <td>1594</td> <td>+788</td> </tr> <tr> <td>Lans</td> <td>3946</td> <td>-1564</td> </tr> <tr> <td>Stark Sh</td> <td>4209</td> <td>-1827</td> </tr> <tr> <td>Marm</td> <td>4308</td> <td>-1925</td> </tr> <tr> <td>Cher Sh</td> <td>4501</td> <td>-2119</td> </tr> <tr> <td>Miss</td> <td>4557</td> <td>-2175</td> </tr> </tbody> </table>	Name	Top	Datum	Anhy	1594	+788	Lans	3946	-1564	Stark Sh	4209	-1827	Marm	4308	-1925	Cher Sh	4501	-2119	Miss	4557	-2175
Name	Top	Datum																				
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Miss	4557	-2175																				

CASING RECORD ☒ New ☐ 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
Surface	12.25	8.625	24	261	Surface Blend II	175	60/40 pozmix
Production	7.875	5.5	17	4686	HH-Long	370	60/40 pozmix

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	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☒ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection: <u>05/12/2023</u>	Producing Method: ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom <u>4575</u> <u>4584</u>
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>
4	4575	4584			250 gals. 15% Hydro AC + 1000 gals., 15% Mod 202 Ac
TUBING RECORD: Size: Set At: Packer At:					

Form	ACO1 - Well Completion
Operator	Raymond Oil Company, Inc.
Well Name	WELLENSIEK 1
Doc ID	1712989

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	24	261	Surface Blend II	175	60/40 pozmix
Production	7.875	5.5	17	4686	HH-Long	370	60/40 pozmix

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 • WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY RAYMOND OIL COMPANY INC.

LEASE * 1 WELLSIEK

FIELD WILDCAT

LOCATION 2642' EST. 2 695' FWL

SEC 15 TWP 21s RGE 23w

COUNTY HODGEMAN STATE KANSAS

CONTRACTOR L.D. DRILLING INC.

SPUD 2-2-23 COMP 2-12-23

LOT 4700 LTM 4692

MUD UP 3646 TYPE MUD CHEMICAL

SAMPLES SAVED FROM 3700 TO 4700

DRILLING TIME KEPT FROM 3500 TO 4700

SAMPLES EXAMINED FROM 3700 TO 4700

GEOLOGICAL SUPERVISION FROM 3900 TO 4700

GEOLOGIST ON VELL KIM B. SHOEMAKER

ELEVATIONS

KB 2382

DF 2377

GL 2377

Measurements Are All
From 2382 KB

CASING

SURFACE 8 5/8" O.D. 261'

PRODUCTION 5 1/2" O

ELECTRICAL SURVEYS

DONE TMD, DENVER, MICH

FORMATION TOPS

LOG

SAMPLES

ANHYDRITE 1594 + 788 1592 + 780

HEBERNER 3835 - 1513 3894 - 1512

LANSING 3946 - 1514 3942 - 1560

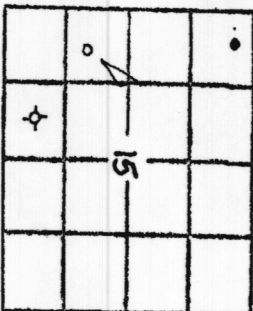
SLC 4288 - 1906 4286 - 1904

MARMATON 4308 - 1926 4306 - 1924

FORT SCOT 4426 - 2094 4426 - 2094

CHESTER 4500 - 2118 4500 - 2118

MISSISSIPPI Dolo 4574 - 2192 4572 - 2190



REMARKS

2-2-23 SPUD
2-3 @ 264'
2-4 @ 1476'
2-5 @ 2415'
2-6 @ 3050'
2-7 @ 3585'
2-8 @ 4155'
2-9 @ 4529'
2-10 @ 4510'
2-11 @ 4595'
2-12 @ 4700'

API: 15-083-22022

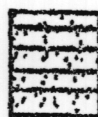
LEGEND



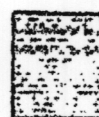
Anhydrite



Salt



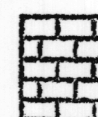
Sandstone



Shale



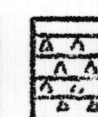
Carb sh



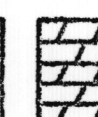
Limestone



Oil Limo



Grit



Dolomite

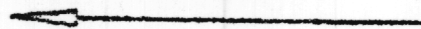
DRILLING TIME IN MINUTES

LITHOLOGY

DRILLING TIME IN MINUTES

PER FOOT

Rate of Penetration Increased



5" 10" 15" 20" 25"

DEPTH

1500

SAMPLE DESCRIPTIONS

REMARKS

1600

ANHYDRITE 1592 + 190

S/ANH 1632 + 150

1700

3500

3600

NS 65 NT 2 ES
SW 2.6 100.2 100.0

Samples are logged

Sh. 1461

LS. To by Sil. Foss. Sil. Chly.

LS. G. Foss.

LS. 147 Foss. Sil. Foss.

Sh. 147

LS. Bu. Sil. Foss.

LS. Foss. Sil. Foss. Sil. A

LS. To by Foss.

LS. wh. Sil. Foss. Chly.

Art

LS. 147 and Foss. Sil. Calcitic

3700

3800

3900

4000

ls. Tuff. ls. ch.

ls. Tuff. ls. ch.

HEPNER 3894 1512

Sh. Blk. ls.

Sh. Blk. ls.

ls. T. Sh. ls. Sl. A

ls. T. Sl. A

Sh. ls. Rd.

LANSING 3892-1560

ls. T. Sh. Sl. ls. Sl. A

Sh. ls.

Sh. Rd. ls.

ls. T. Sh. ls. Sl. ls. A

Sh. ls. Blk.

ls. T. Sh. ls. Sl. A

ls. T. Sh. ls. Sl. ls. A

Sh. Rd.

ls. T. Sh. ls. Sl. A

ls. T. Sh. ls. Sl. ls. A

Sh. ls.

4100

LS. wt. Hly. St. Foss. St. Chly.

LS. Hly. VSt. Chly.

LS. Trawl. St. Foss. St. A

Awl.

MURKIE CREEK 4112° 1730

1/2 DB

Sh. Hly.

LS. Bk. VSt. Foss.

Sh. id. Bk. Hly.

Awl.

LS. Trawl. VSt. Foss. St. A

Sh. Hly.

Sh. Hly.

LS. To Bk. St. A. St. Calatide

LS. Wk. VSt. Foss. St. Chly.

LS. wt. Hly. on. St. Foss. St. Chly.

4200

N 1/2 DB

W 1/2 DB

N 1/2 DB

W 1/2 DB

LS. Hly. VSt. Chly.

STARK 4209° 1827

Sh. Hly. Bk.

LS. Hly. Foss. St. Chly.

LS. To St. A

Awl.

LS. Trawl. VSt. Foss.

Sh. Bk. St. Hly.

LS. Trawl. VSt. Foss. St. A

Geological cross-section diagram showing a series of rock layers dipping to the right. The layers are labeled with names and numbers. A vertical scale on the left indicates depth in feet (0 to 100). A vertical scale on the right indicates distance in miles (0 to 10).

Layers (from top to bottom):

- 65. Tuff. Vol. Foss. Sh. Chl.
- 5166
- 5166
- 63. Tr. R. Shale. Sh. A
- Sh. 12 Blue. 12 Silty
- MARMATON 4306-1929
- 65. Tuff. Sh. Foss.
- Sh. R. 12 G.
- 63. Vol. Sh. A
- 65. Vol. Sh. Foss. Sh. A
- Sh. 12 G.
- 63. Tuff. Sh. Limest.
- 63. Tr. Vol. Limest. Sh. A
- Sh. 12 G.
- 63. Tuff. Sh. Foss. Tr. (Limest.) Coal.
- Sh. 12 G.
- PAWNEE 4409-2021
- 63. 14 R. Vol. Foss. Sh. A
- 63. Tuff. Sh. A
- 63. Tuff. Sh. A
- 63. 12 G. Vol.
- Sh. Blue. 12 G.
- FOOT SCOTT 4476-2094
- 12 G. 6
- 63. 12 G. Vol. Foss. Sh. A

Sh. Bal. L.

62. In R. Shiloh 51A

Sh. 1. Blue. G. 5: H.

MARMATON 4306: 1929

15. Fresh Slit

Sh. Re. 156

45. wt. 51.5

LS. W. Si. F. 4 Si. Δ

55.144

6. Tab. 51. 02.01.11

65. To vsli celasti, sli!

Should be

Lib. Tab. Sic. Hist. Te. Coloniz. Cold.

Sh: 64DKh

PANNEY 4409-2021

15. L4 B1 VSI; POSS S1; Δ

65-446-51A

15. Tab. 51: A

LS: 126 QW

Sh. BLK 1246

FORT SCOTT 4476-2894

Δch_4 is ch_4 vsli F_{ch_4} SLI

DST (U) 4466-1590

1ST OPEN: Blow built to 30 min.

2nd OPEN: No Blow

Top Sample 30-60-45-75

1% oil
99% M₂

Rec. 5' Mvd

FP: 13.14 14.23'

SIP: 274-163'

FORT SCOTT 4476-2894

Δch_4 is ch_4 vsli F_{ch_4} SLI

Temp. 115° F

RTD 4700-2318

	NIS 44	NIS 43	
	NIS 44	NIS 43	



**Company: Raymond Oil
Company, Inc**
Lease: Wellensiek #1

SEC: 15 TWN: 21S RNG: 23W
County: HODGEMAN
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2377 GL
Field Name: Sandpit
Pool: WILDCAT
Job Number: 633
API #: 15-083-22022

Operation:

Uploading recovery &
pressures

DATE

February
09
2023

DST #1

Formation:
Ft.Scott/Chero

Test Interval: 4466 -
4540'

Total Depth: 4540'

Time On: 19:33 02/09

Time Off: 04:43 02/10

Time On Bottom: 22:30 02/09

Time Off Bottom: 02:00 02/10

Electronic Volume
Estimate:
5'

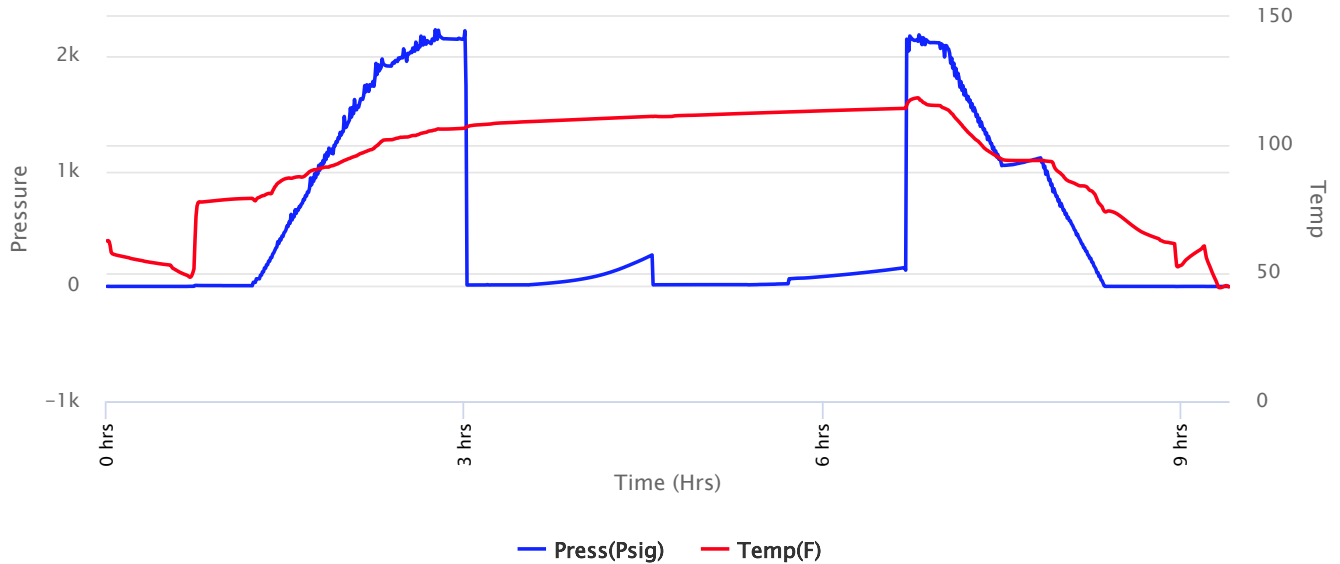
1st Open
Minutes: 75
Current Reading:
0" at 75 min
Max Reading: .45"

1st Close
Minutes: 60
Current Reading:
0" at 60 min
Max Reading: 0"

2nd Open
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

2nd Close
Minutes: 75
Current Reading:
0" at 75 min
Max Reading: 0"

Inside Recorder





Company: Raymond Oil Company, Inc

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SEC: 15 TWN: 21S RNG: 23W
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pressures

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February

09

2023

DST #1

Formation:
Ft.Scott/Chero

Test Interval: 4466 -
4540' Total Depth: 4540'

Time On: 19:33 02/09

Time Off: 04:43 02/10

Time On Bottom: 22:30 02/09

Time Off Bottom: 02:00 02/10

Recovered

Foot

5

BBLs

0.0513

Description of Fluid

M

Gas %

0

Oil %

0

Water %

0

Mud %

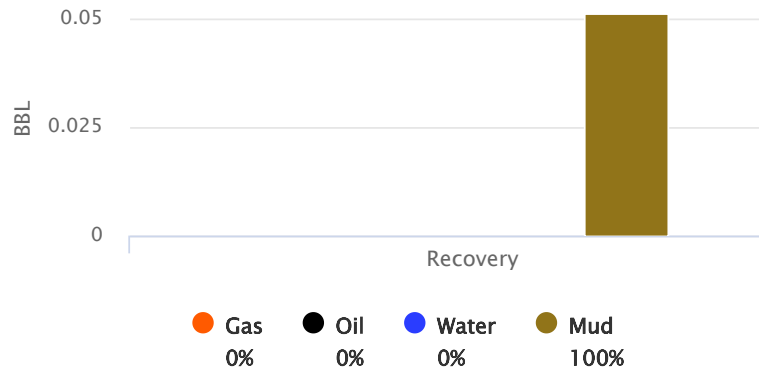
100

Total Recovered: 5 ft

Total Barrels Recovered: 0.0513

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	2152	PSI
Initial Flow	13 to 14	PSI
Initial Closed in Pressure	274	PSI
Final Flow Pressure	14 to 23	PSI
Final Closed in Pressure	163	PSI
Final Hydrostatic Pressure	2157	PSI
Temperature	115	°F
Pressure Change Initial Close / Final Close	40.7	%

GIP cubic foot volume: 0



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2023

DST #1

Formation:
Ft.Scott/Chero

Test Interval: 4466 -
4540'

Total Depth: 4540'

Time On: 19:33 02/09

Time Off: 04:43 02/10

Time On Bottom: 22:30 02/09

Time Off Bottom: 02:00 02/10

BUCKET MEASUREMENT:

1st Open: WSB. Built to 1/2 inch in 30 minutes

1st Close: NOBB

2nd Open: No Blow

2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 1% Oil 0% Water 99% Mud



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Elevation: 2377 GL
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Pool: WILDCAT
Job Number: 633
API #: 15-083-22022

Operation:

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pressures

DATE

February

09

2023

DST #1

Formation:
Ft.Scott/Chero

Test Interval: 4466 -
4540' **Total Depth: 4540'**

Time On: 19:33 02/09

Time Off: 04:43 02/10

Time On Bottom: 22:30 02/09 Time Off Bottom: 02:00 02/10

Down Hole Makeup

Heads Up: 31 FT

Packer 1: 4461 FT

Drill Pipe: 4464.43 FT
ID-3 1/4

Packer 2: 4466 FT

Weight Pipe: FT
ID-2 7/8

Top Recorder: 4450.42 FT

Bottom Recorder: 4533 FT

Collars: FT
ID-2 1/4

Well Bore Size: 7 7/8

Surface Choke: 1"

Test Tool: 33.57 FT
ID-3 1/2-FH
Jars
Safety Joint

Bottom Choke: 5/8"

Total Anchor: 74

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 1 FT
4 1/2-FH

Change Over: .5 FT

Drill Pipe: (in anchor): 63 FT
ID-3 1/4

Change Over: .5 FT

Perforations: (below): 8 FT
4 1/2-FH



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Elevation: 2377 GL
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DST #1

Formation:
Ft.Scott/Chero

**Test Interval: 4466 -
4540'**

Total Depth: 4540'

Time On: 19:33 02/09

Time Off: 04:43 02/10

Time On Bottom: 22:30 02/09

Time Off Bottom: 02:00 02/10

Mud Properties

Mud Type: Chem

Weight: 9.4

Viscosity: 51

Filtrate: 9.6

Chlorides: 4500 ppm



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09

2023

DST #1

Formation:
Ft.Scott/Chero

Test Interval: 4466 -
4540' **Total Depth: 4540'**

Time On: 19:33 02/09

Time Off: 04:43 02/10

Time On Bottom: 22:30 02/09 Time Off Bottom: 02:00 02/10

Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

2nd Open

Time	Orifice	PSI	MCF/D
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Lease: Wellensiek #1

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County: HODGEMAN
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Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2377 GL
Field Name: Sandpit
Pool: WILDCAT
Job Number: 633
API #: 15-083-22022

Operation:

Uploading recovery &
pressures

DATE

February
10
2023

DST #2

Formation: Miss

**Test Interval: 4520 -
4583'**

Total Depth: 4583'

Time On: 13:52 02/10

Time Off: 00:18 02/11

Time On Bottom: 17:27 02/10

Time Off Bottom: 21:12 02/10

Electronic Volume
Estimate:
368'

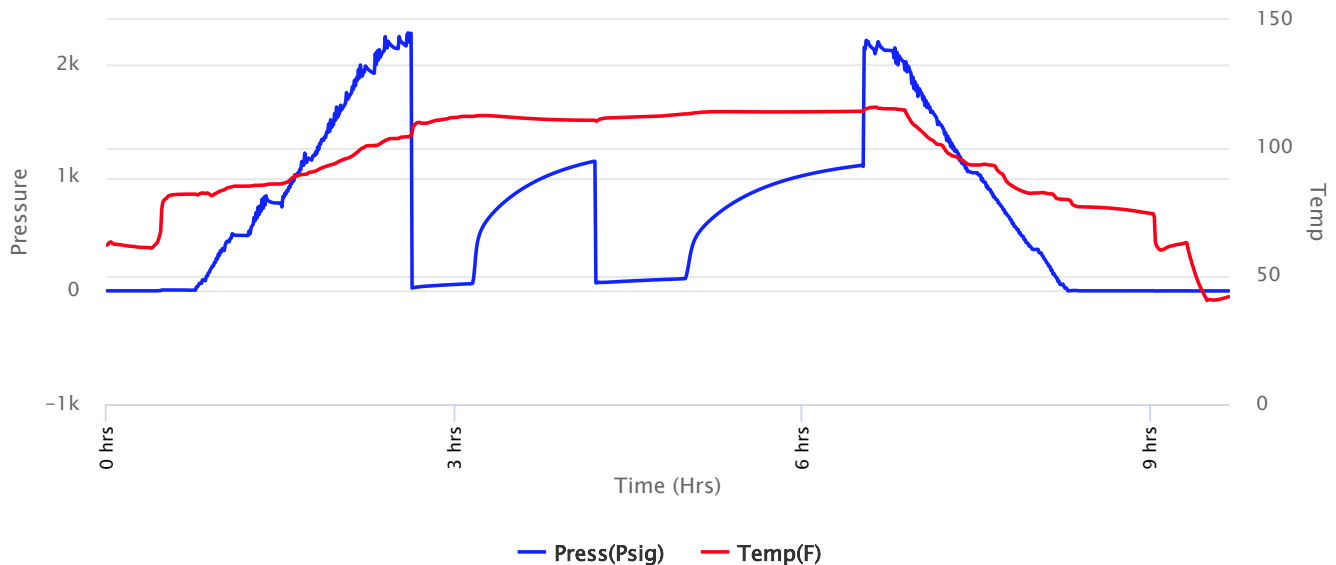
1st Open
Minutes: 30
Current Reading:
15.9" at 30 min
Max Reading: 15.9"

1st Close
Minutes: 60
Current Reading:
0" at 60 min
Max Reading: .6"

2nd Open
Minutes: 45
Current Reading:
14.7" at 45 min
Max Reading: 14.7"

2nd Close
Minutes: 90
Current Reading:
0" at 90 min
Max Reading: 0"

Inside Recorder





**Company: Raymond Oil
Company, Inc**
Lease: Wellensiek #1

SEC: 15 TWN: 21S RNG: 23W
County: HODGEMAN
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2377 GL
Field Name: Sandpit
Pool: WILDCAT
Job Number: 633
API #: 15-083-22022

Operation:

Uploading recovery &
pressures

DATE

February
10
2023

DST #2

Formation: Miss

**Test Interval: 4520 -
4583'**

Total Depth: 4583'

Time On: 13:52 02/10

Time Off: 00:18 02/11

Time On Bottom: 17:27 02/10

Time Off Bottom: 21:12 02/10

Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
129	1.32354	G	100	0	0	0
127	1.30302	O	0	100	0	0
114	1.16964	SLOCHOSM	0	2	0	98

Total Recovered: 370 ft

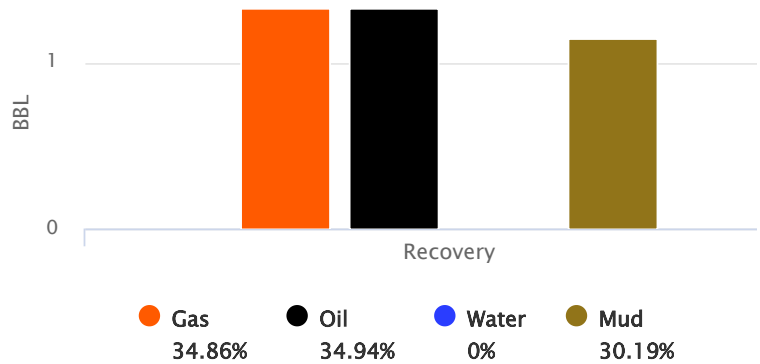
Total Barrels Recovered: 3.7962

Reversed Out
NO

Initial Hydrostatic Pressure	2161	PSI
Initial Flow	25 to 69	PSI
Initial Closed in Pressure	1143	PSI
Final Flow Pressure	71 to 108	PSI
Final Closed in Pressure	1108	PSI
Final Hydrostatic Pressure	2160	PSI
Temperature	115	°F

Pressure Change Initial
Close / Final Close 3.1 %

Recovery at a glance



GIP cubic foot volume: 7.43102



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Company, Inc**
Lease: Wellensiek #1

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BUCKET MEASUREMENT:

Diesel in Bucket

1st Open: 1" Blow. BOB in 19 minutes

1st Close: 1/2" Blow Back

2nd Open: 1/2" Blow. BOB in 32 minutes

2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 10% Oil 0% Water 90% Mud

Gravity: 35.3 @ 60 °F



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Down Hole Makeup

Heads Up: 9.13 FT

Packer 1: 4515 FT

Drill Pipe: 4496.56 FT
ID-3 1/4

Packer 2: 4520 FT

Weight Pipe: FT
ID-2 7/8

Top Recorder: 4504.42 FT

Bottom Recorder: 4556 FT

Collars: FT
ID-2 1/4

Well Bore Size: 7 7/8

Surface Choke: 1"

Test Tool: 33.57 FT
*ID-3 1/2-FH
Jars
Safety Joint*

Bottom Choke: 5/8"

Total Anchor: 63

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 1 FT
4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor): 31 FT
ID-3 1/4

Change Over: 1 FT

Perforations: (below): 28 FT
4 1/2-FH



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Elevation: 2377 GL
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DST #2

Formation: Miss

**Test Interval: 4520 -
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Total Depth: 4583'

Time On: 13:52 02/10

Time Off: 00:18 02/11

Time On Bottom: 17:27 02/10 Time Off Bottom: 21:12 02/10

Mud Properties

Mud Type: Chem

Weight: 9.2

Viscosity: 48

Filtrate: 9.2

Chlorides: 7200 ppm



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Time On Bottom: 17:27 02/10 Time Off Bottom: 21:12 02/10

Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



**Company: Raymond Oil
Company, Inc**
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Elevation: 2377 GL
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API #: 15-083-22022

Operation:

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DATE

February
11
2023

DST #3

Formation: Miss

**Test Interval: 4580 -
4595'**

Total Depth: 4595'

Time On: 20:34 02/11

Time Off: 17:43 02/11

Time On Bottom: 11:03 02/11

Time Off Bottom: 14:48 02/11

Electronic Volume
Estimate:
112'

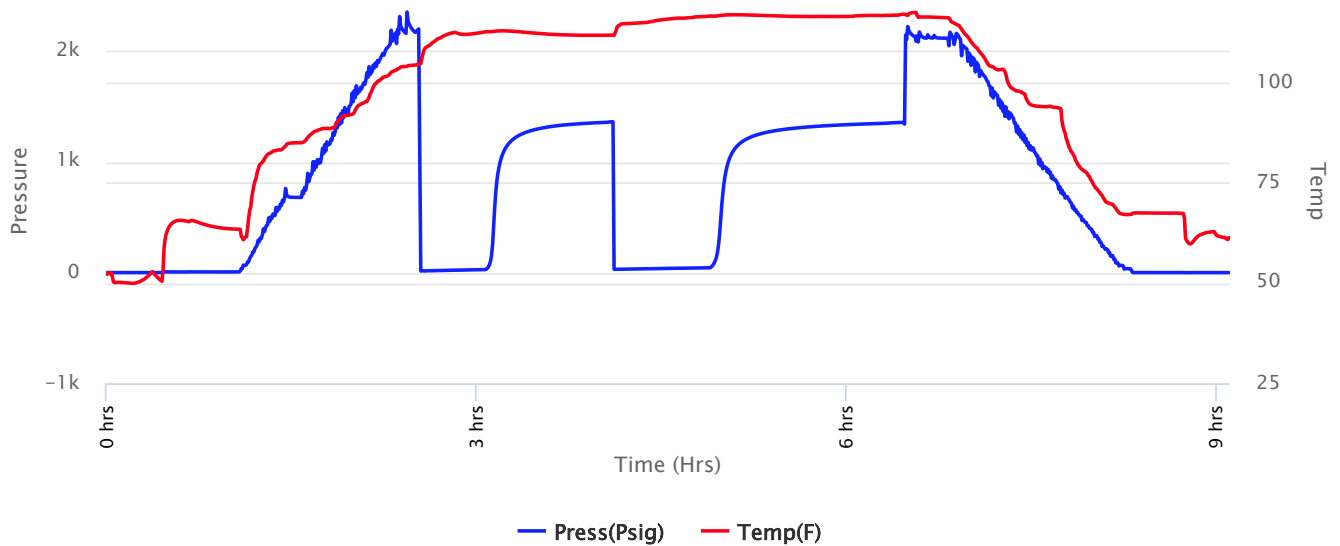
1st Open
Minutes: 30
Current Reading:
4.1" at 30 min
Max Reading: 4.1"

1st Close
Minutes: 60
Current Reading:
.25" at 60 min
Max Reading: .25"

2nd Open
Minutes: 45
Current Reading:
4.5" at 45 min
Max Reading: 4.5"

2nd Close
Minutes: 90
Current Reading:
.4" at 90 min
Max Reading: .4"

Inside Recorder





Company: Raymond Oil Company, Inc

Lease: Wellensiek #1

SEC: 15 TWN: 21S RNG: 23W
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State: Kansas
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Exploration, LLC - Rig 1
Elevation: 2377 GL
Field Name: Sandpit
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Job Number: 633
API #: 15-083-22022

Operation:

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2023

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Test Interval: 4580 -
4595'

Total Depth: 4595'

Time On: 20:34 02/11

Time Off: 17:43 02/11

Time On Bottom: 11:03 02/11

Time Off Bottom: 14:48 02/11

Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
23	0.23598	O	0	100	0	0
54	0.55404	SLWCSLOCM	0	10	5	85

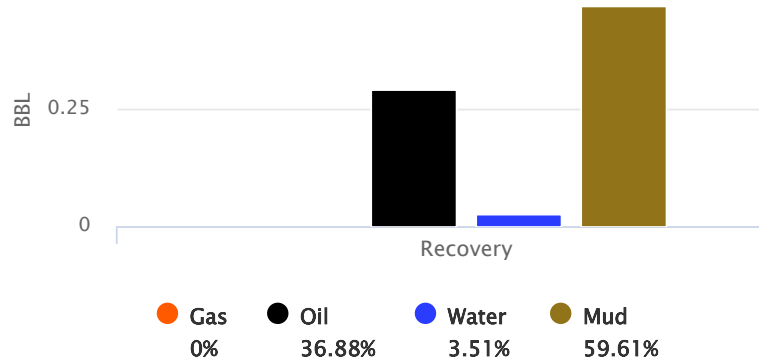
Total Recovered: 77 ft

Total Barrels Recovered: 0.79002

Reversed Out
NO

Recovery at a glance

Initial Hydrostatic Pressure	2161	PSI
Initial Flow	15 to 30	PSI
Initial Closed in Pressure	1363	PSI
Final Flow Pressure	30 to 44	PSI
Final Closed in Pressure	1358	PSI
Final Hydrostatic Pressure	2160	PSI
Temperature	117	°F
Pressure Change Initial Close / Final Close	0.4	%



GIP cubic foot volume: 0



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Exploration, LLC - Rig 1
Elevation: 2377 GL
Field Name: Sandpit
Pool: WILDCAT
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Operation:

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BUCKET MEASUREMENT:

1st Open: 1/4" Blow. Built to 4 inches in 30 minutes

1st Close: 1/4 inch Blow back

2nd Open: 1/4" Blow. Built to 4 1/2 inches in 45 minutes

2nd Close: 1/4 inch Blow Back

REMARKS:

Most Likely gas in pipe but hard to detected cause of last test.

Tool Sample: 0% Gas 50% Oil 5% Water 45% Mud

Gravity: 35 @ 60 °F



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DST #3 **Formation: Miss** **Test Interval: 4580 - 4595'** **Total Depth: 4595'**
Time On: 20:34 02/11 Time Off: 17:43 02/11
Time On Bottom: 11:03 02/11 Time Off Bottom: 14:48 02/11

Down Hole Makeup

Heads Up:	11.16 FT	Packer 1:	4575 FT
Drill Pipe:	4558.59 FT	Packer 2:	4580 FT
<i>ID-3 1/4</i>		Top Recorder:	4564.42 FT
Weight Pipe:	FT	Bottom Recorder:	4583 FT
<i>ID-2 7/8</i>		Well Bore Size:	7 7/8
Collars:	FT	Surface Choke:	1"
<i>ID-2 1/4</i>		Bottom Choke:	5/8"
Test Tool:	33.57 FT		
<i>ID-3 1/2-FH</i>			
<i>Jars</i>			
<i>Safety Joint</i>			
Total Anchor:	15		
<u>Anchor Makeup</u>			
Packer Sub:	1 FT		
Perforations: (top):	1 FT		
<i>4 1/2-FH</i>			
Change Over:	FT		
Drill Pipe: (in anchor):	FT		
<i>ID-3 1/4</i>			
Change Over:	FT		
Perforations: (below):	13 FT		
<i>4 1/2-FH</i>			



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Time Off: 17:43 02/11

Time On Bottom: 11:03 02/11

Time Off Bottom: 14:48 02/11

Mud Properties

Mud Type:

Weight:

Viscosity:

Filtrate:

Chlorides: ppm



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Time On: 20:34 02/11

Time Off: 17:43 02/11

Time On Bottom: 11:03 02/11

Time Off Bottom: 14:48 02/11

Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

785-953-0222

TICKET NUMBER 2662K-C
LOCATION Hugoton, KS
FOREMAN J. Arrington

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-2-23		Wellensiek # 1	15	21 S	23 W	Hodgeman
CUSTOMER Raymond Oil						
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
			103	Cory		
			801/851	Joanna		
CITY						
STATE						
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 264 CASING SIZE & WEIGHT 8 5/8 24#
CASING DEPTH 261.20 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____
REMARKS: Set 261' of 8 5/8 w/ 175sx Surface Blend #, Circ SBL to the pit

[illegible]

AUTHORIZATION

TITLE

DATE _____

I acknowledge that the payments 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.

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/4% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

flv: 15-2021/01/25
mply: 350-2023/01/16



CEMENT TREATMENT REPORT

Customer:	Raymond Oil	Well:	Wellensiek #1	Ticket:	WP 3945
City, State:	Ness City KS	County:	Hodgeman KS	Date:	2/13/2023
Field Rep:	Allen Smith	S-T-R:	15-21S-23W	Service:	2 Stage

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	7 7/8 In	Blend:	H H-Long	Blend:	H-Con
Hole Depth:	4700 ft	Weight:	15.0 ppg	Weight:	12 ppg
Casing Size:	5 1/2 In	Water / Sx:	6.7 gal / sx	Water / Sx:	15.5 gal / sx
Casing Depth:	4696 ft	Yield:	1.44 ft ³ / sx	Yield:	2.56 ft ³ / sx
Tubing / Liner:	In	Annular Bbls / Ft.:	0.0309 bbs / ft.	Annular Bbls / Ft.:	0.0309 bbs / ft.
Depth:	ft	Depth:	4696 ft	Depth:	1561 ft
Tool / Packer:	DV Tool	Annular Volume:	145.1 bbls	Annular Volume:	48.2349 bbls
Tool Depth:	1561 ft	Excess:		Excess:	
Displacement:	110.7 bbls	Total Slurry:	38.4 bbls	Total Slurry:	100.3 bbls
		Total Sacks:	150 sx	Total Sacks:	220 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
6:48 PM			-	-	Arrived on location
6:58 PM				-	Safety meeting
7:08 PM				-	Rigged up
11:27 PM				-	Set DV Tool between joints 74-75 @ 1561'
12:16 AM				-	Casing on bottom
12:35 AM				-	Dropped ball and circulated mud 2 hours
3:08 AM	4.0	250.0	12.0	12.0	Pumped 500 gallons mud flush
3:13 AM	4.0	275.0	12.0	24.0	Pumped 500 gallons water behind with 2% KCL
3:18 AM	5.2	325.0	38.4	62.4	Mixed 150 sacks H H-Long Lead cement for bottom @ 15.0 ppg mud scale verified
3:29 AM				62.4	Shut down, loaded bottom stage plug, cleared pump and lines
3:36 AM	6.5	250.0	70.0	132.4	Begin water displacement
3:47 AM	6.5	500.0	30.7		Begin mud displacement
3:51 AM	3.0	750.0	10.0		Slowed down to 3 bpm 10 bbls to go
3:54 AM		1,600.0			Plug down @ 750 landing psi and 1600 bump psi
3:56 AM					Released pressure, plug held with 1 bbl back to tank
4:03 AM					Dropped bomb and waited to fall for 20 minutes
4:25 AM	2.0	150.0	0.5		Opened DV tool 2 bpm @ 150 psi with 1/4 bbl mud
4:26 AM					Pumped remaining mud off and washed out displacement tanks
4:36 AM					Circulated mud 1 hour
5:37 AM	3.2	150.0	5.0		Water ahead
5:40 AM	2.0	100.0	13.6		Mixed 30 sacks cement for rat hole
5:48 AM	5.7	275.0	100.3		Mixed 220 sacks H-Con Tail cement @ 12.0 ppg mud scale verified
6:05 AM					Dropped top stage plug
6:07 AM	6.5	250.0	27.1		Begin water displacement
6:12 AM	3.0	400.0	10.0		Slowed down to 3 bpm 10 bbls to go
6:15 AM		1,600.0			Plug down @ 450 landing psi and 1600 bump psi with 7 bbls/15 sacks cement circulated to pit
6:17 AM					Released pressure, plug held with 1/4 bbl back to tank

CREW		UNIT	SUMMARY		
Cement:	John	73	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Jose V	208	4.3 bpm	491 psi	330 bbls
Bulk #1:	Kale	180-530			
Bulk #2:					

