



KANSAS CORPORATION COMMISSION 1113151
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- 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: _____



1113151

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				

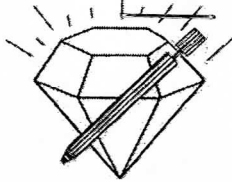
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

BBNGR1DST2

Company Range Oil Company, Inc. Lease & Well No. Babinger No. 1
 Elevation 1278 GL Formation Viola Effective Pay _____ Ft. Ticket No. M404
 Date 10-2-12 Sec. 26 Twp. 21S Range 10E County Lyon State Kansas
 Test Approved By Frank S. Mize Diamond Representative Mike Cochran

Formation Test No. 2 Interval Tested from 2,625 ft. to 2,645 ft. Total Depth 2,645 ft.
 Packer Depth 2,620 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 2,625 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 2,627 ft. Recorder Number 30037 Cap. 6,000 psi.
 Bottom Recorder Depth (Outside) 2,642 ft. Recorder Number 6884 Cap. 6,275 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

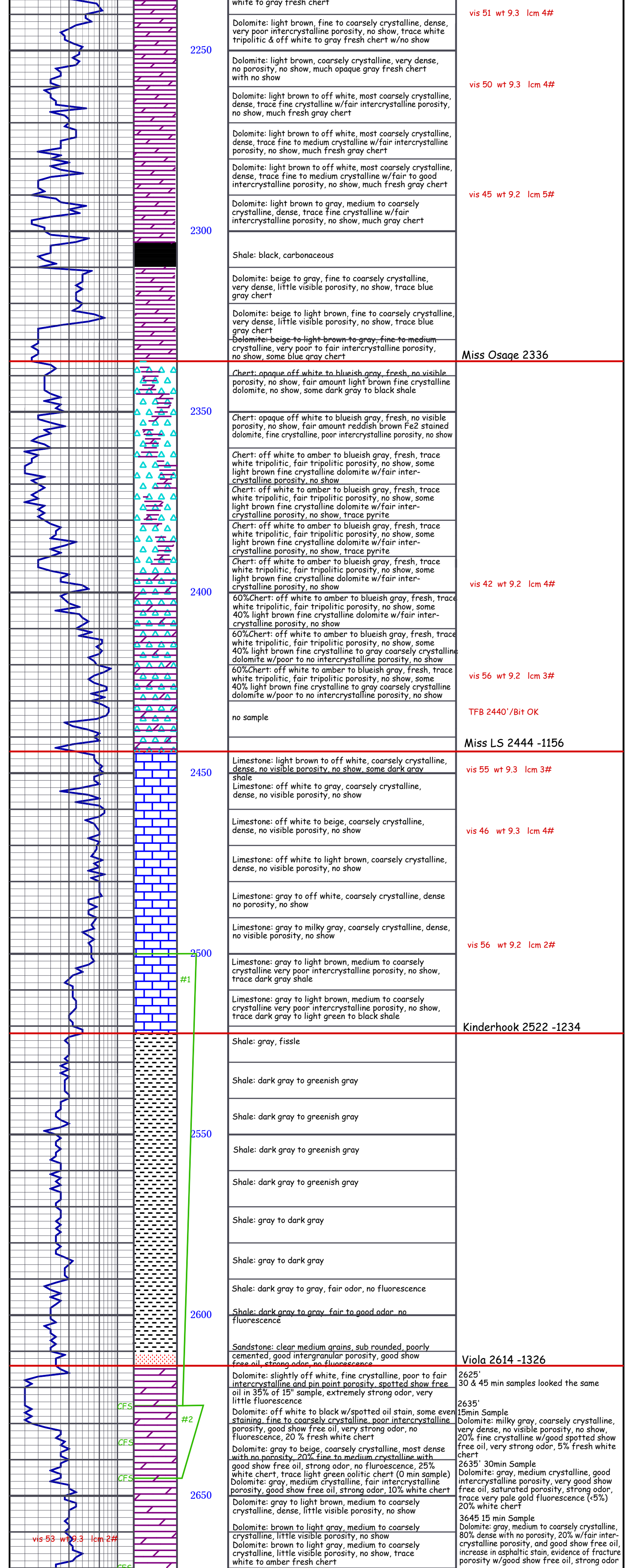
Drilling Contractor Summit Drilling Company - Rig 1 Drill Collar Length 313 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 54 Weight Pipe Length _____ ft I.D. _____ in.
 Weight 9.3 Water Loss 6.2 cc. Drill Pipe Length 2,292 ft I.D. 3 in.
 Chlorides 900 P.P.M. Test Tool Length 20 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 20 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 3 1/2-XH in.

Blow: 1st Open: Bottom of bucket blow. Reached hydrostatic at approx. 15 mins. No blow back during shut-in.

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

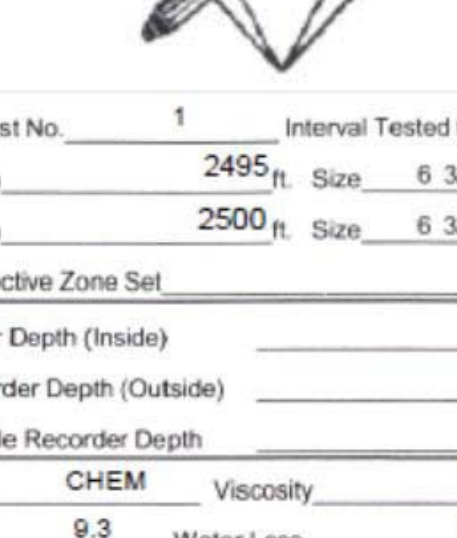
Recovered 240 ft. of gas & oil cut watery mud = 1.960800 bbls. (Grind out: 6%-gas; 14%-oil; 30%-water; 50%-mud)
 Recovered 1,890 ft. of gas & slightly oil cut muddy water = 14.424050 bbls. (Grind out: 2%-gas; 6%-oil; 74%-water; 18%-mud) Chlorides: 800 Ppm PH: 7.5 RW: .95 @ 54°
 Recovered 2,130 ft. of TOTAL FLUID = 16.384850 bbls.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks Tool Sample Grind Out: 100%-water w/ some specks of oil

Time Set Packer(s) 9:00 P.M. Time Started off Bottom 11:00 P.M. Maximum Temperature 112°
 Initial Hydrostatic Pressure.....(A) 1285 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 713 P.S.I. to (C) 908 P.S.I.
 Initial Closed In Period.....Minutes 30 (D) 909 P.S.I.
 Final Flow Period.....Minutes 30 (E) 909 P.S.I. to (F) 909 P.S.I.
 Final Closed In Period.....Minutes 30 (G) 909 P.S.I.
 Final Hydrostatic Pressure.....(H) 1268 P.S.I.



Range Oil Company, Inc., Babinger #1 1288 KB
1725' FNL & 330' FEL 26-21S-10E
Lyon County, Kansas

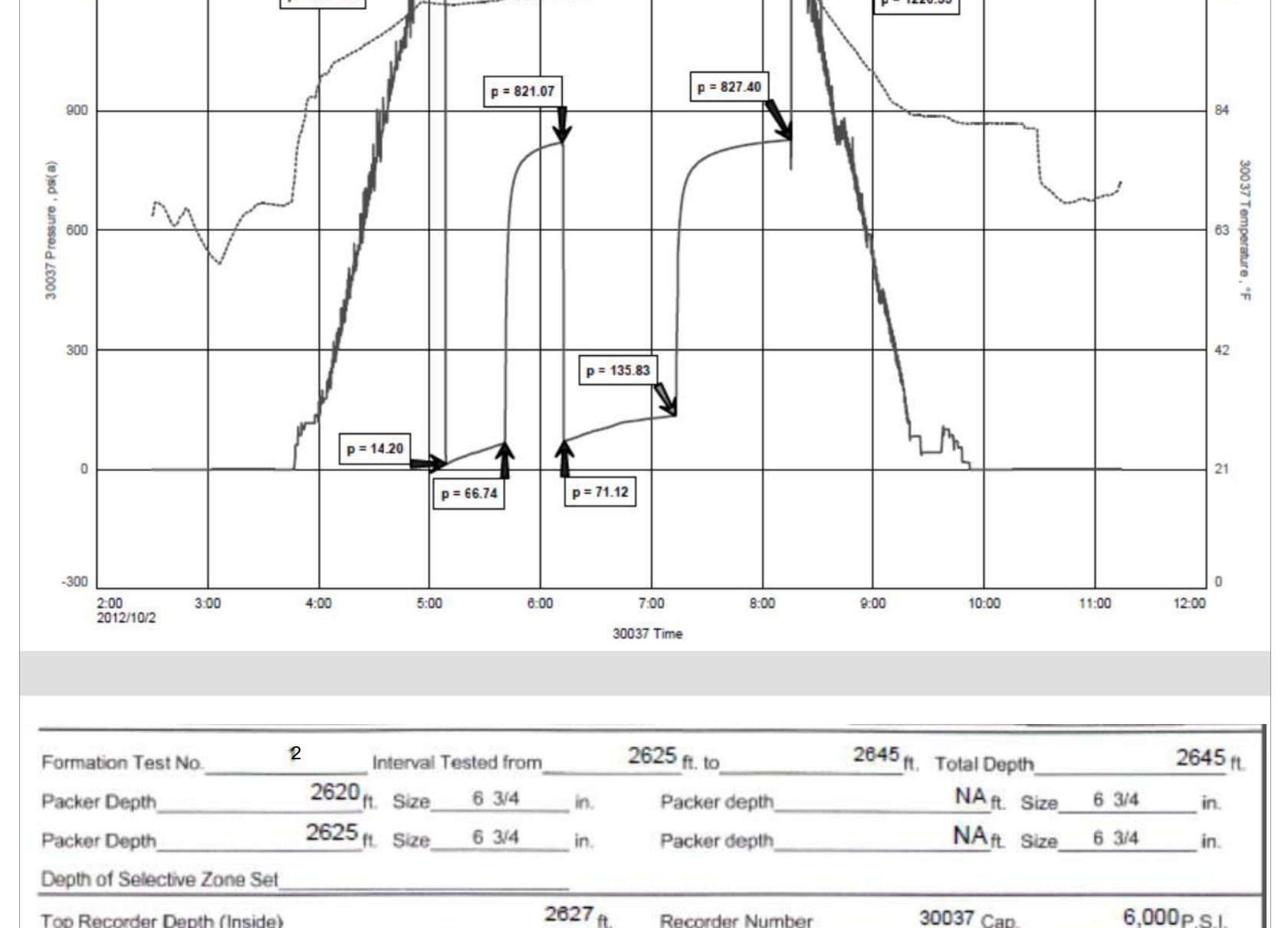
Comments:



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HOISINGTON, KANSAS 67544
(800) 542-7313

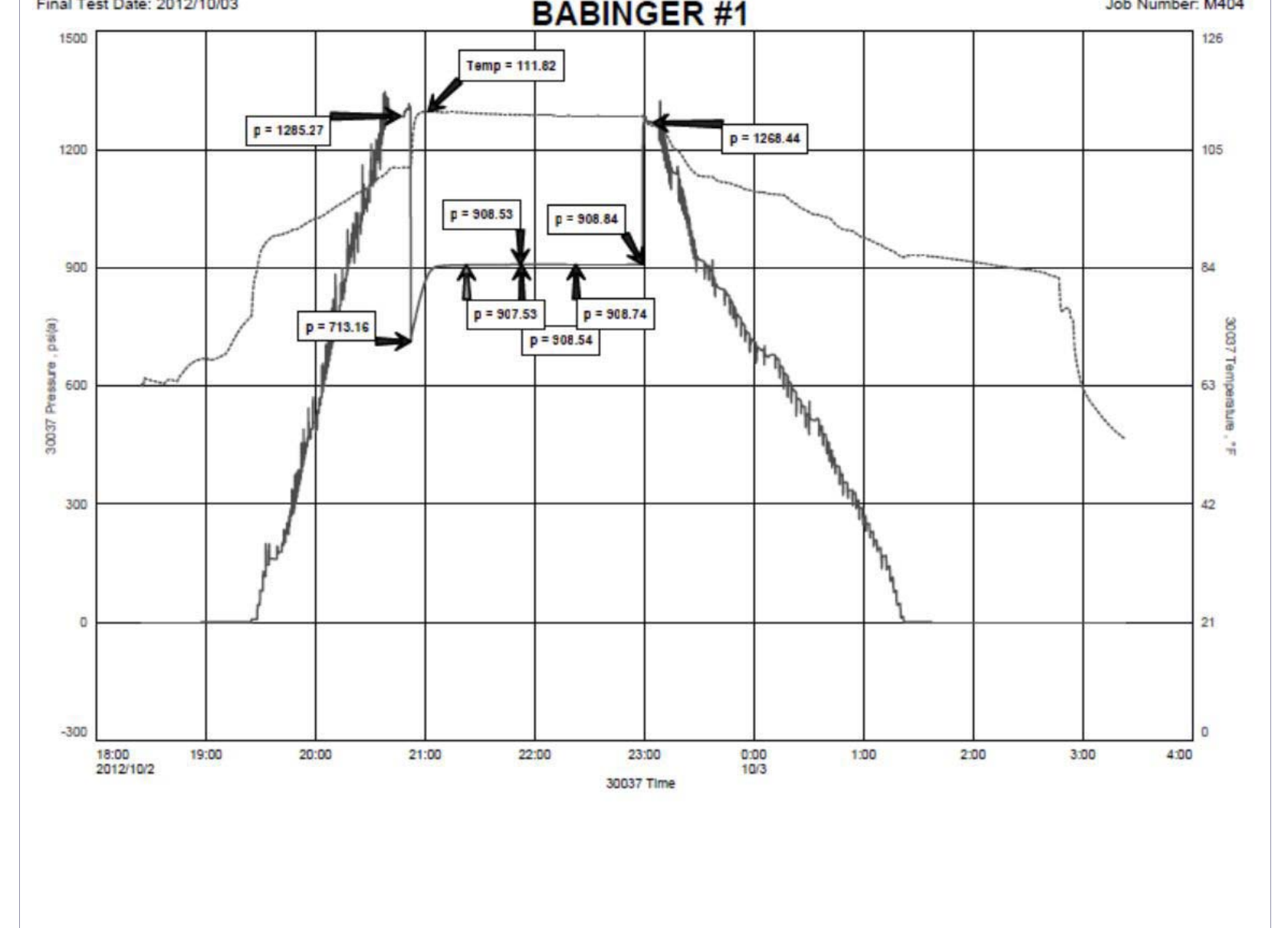
Formation Test No.	1	Interval Tested from	2500 ft. to	2625 ft.	Total Depth	2625 ft.
Packer Depth	2495 ft.	Size	6 3/4 in.	Packer depth	NA ft.	Size 6 3/4 in.
Packer Depth	2500 ft.	Size	6 3/4 in.	Packer depth	NA ft.	Size 6 3/4 in.
Depth of Selective Zone Set						
Top Recorder Depth (Inside)	2502 ft.	Recorder Number	30037	Cap.	6,000	P.S.I.
Bottom Recorder Depth (Outside)	2622 ft.	Recorder Number	6884	Cap.	6,275	P.S.I.
Below Straddle Recorder Depth		Recorder Number		Cap.		P.S.I.
Mud Type	CHEM	Viscosity	57	Drill Collar Length	218 ft.	I.D. 2 1/4 in.
Weight	9.3	Water Loss	6.4 cc.	Weight Pipe Length	0 ft.	I.D. 2 7/8 in.
Chlorides	800 P.P.M.			Drill Pipe Length	2255 ft.	I.D. 3 1/2 in.
Jars: Make	STERLING	Serial Number	1	Test Tool Length	27 ft.	Tool Size 3 1/2-IF in.
Did Well Flow?	NO	Reversed Out	NO	Anchor Length	125 ft.	Size 4 1/2-FH in.
Main Hole Size	7 7/8	Tool Joint Size	4 1/2 3/4xH in.	Surface Choke Size	1 in.	Bottom Choke Size 5/8 in.
Blow:	1st Open: BUILT TO 1" THEN AFTER 10 MIN DIMINISHED TO & MAINTAINED A SURFACE BLOW (NO BB)					
	2nd Open: BUILT TO 1/4" THEN DIMINISHED TO & MAINTAINED A SURFACE BLOW (NO BB)					
Recovered	250 ft. of	WM 16% WTR, 84% MUD W/ A THICK SCUM OF OIL, SLIGHT ODOR				
Recovered	250 ft. of	TOTAL FLUID (32' DP 218' DC)				
Recovered	ft. of					
Recovered	ft. of					
Recovered	ft. of	CHLOR: 300PPM				
Recovered	ft. of	PH: 8.0				
Remarks:						Price Job
						Other Charges
						Insurance
						Total
Time Set Packer(s)	5:15 A.M.	A.M. P.M.	Time Started Off Bottom	8:15 A.M.	A.M. P.M.	Maximum Temperature 105
Initial Hydrostatic Pressure			(A)			1230 P.S.I.
Initial Flow Period	Minutes	30	(B)	14	P.S.I. to (C)	67 P.S.I.
Initial Closed In Period	Minutes	30	(D)			821 P.S.I.
Final Flow Period	Minutes	60	(E)	71	P.S.I. to (F)	136 P.S.I.
Final Closed In Period	Minutes	60	(G)			827 P.S.I.
Final Hydrostatic Pressure			(H)			1220 P.S.I.

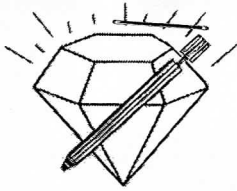
RANGE OIL CO. DST#1 2500-2625 VIOLA Start Test Date: 2012/10/02 Final Test Date: 2012/10/02 Formation: DST#1 2500-2625 VIOLA Pool: WILD/CAT Job Number: M403



Formation Test No.	2	Interval Tested from	2625 ft. to	2645 ft.	Total Depth	2645 ft.
Packer Depth	2620 ft.	Size	6 3/4 in.	Packer depth	NA ft.	Size 6 3/4 in.
Packer Depth	2625 ft.	Size	6 3/4 in.	Packer depth	NA ft.	Size 6 3/4 in.
Depth of Selective Zone Set						
Top Recorder Depth (Inside)	2627 ft.	Recorder Number	30037	Cap.	6,000	P.S.I.
Bottom Recorder Depth (Outside)	2642 ft.	Recorder Number	6884	Cap.	6,275	P.S.I.
Below Straddle Recorder Depth		Recorder Number		Cap.		P.S.I.
Mud Type	CHEM	Viscosity	54	Drill Collar Length	313 ft.	I.D. 2 1/4 in.
Weight	9.3	Water Loss	6.2 cc.	Weight Pipe Length	0 ft.	I.D. 2 7/8 in.
Chlorides	900 P.P.M.			Drill Pipe Length	2292 ft.	I.D. 3 1/2 in.
Jars: Make	STERLING	Serial Number	NA	Test Tool Length	20 ft.	Tool Size 3 1/2-IF in.
Did Well Flow?	NO	Reversed Out	NO	Anchor Length	20 ft.	Size 4 1/2-FH in.
Main Hole Size	7 7/8	Tool Joint Size	4 1/2 3/4xH in.	Surface Choke Size	1 in.	Bottom Choke Size 5/8 in.
Blow:	1st Open: BOW RIGHT WAY, REACHED HYDROSTATIC @ ~15 MIN (NO BB)					
	2nd Open: NO BLOW, NO BLOW BACK					
Recovered	240 ft. of	GOCWM 6% GAS, 14% OIL, 30% WTR, 50% MUD				
Recovered	1890 ft. of	GSOCMW 2% GAS, 6% OIL, 74% WTR, 18% MUD (1181' DP 313' DC)				
Recovered	2130 ft. of	TOTAL FLUID				
Recovered	ft. of					
Recovered	ft. of	CHLOR: 800 PPM				
Recovered	ft. of	PH: 7.5				
Remarks:	RW: .95 @ 54°					Price Job
						Other Charges
						Insurance
						Total
Time Set Packer(s)	9:00 P.M.	A.M. P.M.	Time Started Off Bottom	11:00 P.M.	A.M. P.M.	Maximum Temperature 112
Initial Hydrostatic Pressure			(A)			1285 P.S.I.
Initial Flow Period	Minutes	30	(B)	713	P.S.I. to (C)	908 P.S.I.
Initial Closed In Period	Minutes	30	(D)			909 P.S.I.
Final Flow Period	Minutes	30	(E)			909 P.S.I.
Final Closed In Period	Minutes	30	(G)			909 P.S.I.
Final Hydrostatic Pressure			(H)			909 P.S.I.

RANGE OIL CO. DST#2 2625-2645 VIOLA Start Test Date: 2012/10/02 Final Test Date: 2012/10/02 Formation: DST#2 2625-2645 VIOLA Pool: WILD/CAT Job Number: M404





DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

BBNGR1DST1

Company Range Oil Company, Inc. Lease & Well No. Babinger No. 1
 Elevation 1278 GL Formation Viola Effective Pay _____ Ft. Ticket No. M403
 Date 10-2-12 Sec. 26 Twp. 21S Range 10E County Lyon State Kansas
 Test Approved By Frank S. Mize Diamond Representative Mike Cochran

Formation Test No. 1 Interval Tested from 2,500 ft. to 2,625 ft. Total Depth 2,625 ft.
 Packer Depth 2,495 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 2,500 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 2,502 ft. Recorder Number 30037 Cap. 6,000 psi.
 Bottom Recorder Depth (Outside) 2,622 ft. Recorder Number 6884 Cap. 6,275 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Summit Drilling Company - Rig 1 Drill Collar Length 218 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 57 Weight Pipe Length _____ ft I.D. _____ in.
 Weight 9.3 Water Loss 6.4 cc. Drill Pipe Length 2,262 ft I.D. 3 in.
 Chlorides 800 P.P.M. Test Tool Length 20 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 30' perf. w/ 95' drill collar 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 3 1/2-XH in.

Blow: 1st Open: Weak, 1 in. blow decreasing to a surface blow after 10 mins. No blow back during shut-in
 2nd Open: Weak, 1/4 in. blow decreasing to a surface blow. No blow back during shut-in.

Recovered 250 ft. of watery mud w/ a thick scum of oil & a slight odor = 1.334000 bbls. (Grind out: 16%-water; 84%-mud) Chlorides: 300 Ppm PH: 8.0
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 32%-water; 68%-mud w/ a thin scum of oil

Time Set Packer(s) 5:15 A.M. Time Started off Bottom 8:15 A.M. Maximum Temperature 105°
 Initial Hydrostatic Pressure.....(A) 1230 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 14 P.S.I. to (C) 67 P.S.I.
 Initial Closed In Period.....Minutes 30 (D) 821 P.S.I.
 Final Flow Period.....Minutes 60 (E) 71 P.S.I. to (F) 136 P.S.I.
 Final Closed In Period.....Minutes 60 (G) 827 P.S.I.
 Final Hydrostatic Pressure.....(H) 1220 P.S.I.