

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

S

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

DEC 07 2007

2. Name of Operator

OCD-ARTESIA

Marathon Oil Company

3a. Address

P.O. Box 3487 Houston, TX 77253-3487

3b. Phone No. (include area code)

713-296-2096

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1494' FSL & 688' FWL UL'L', Sec 20, T-21-S, R-24-E

5. Lease Serial No.

LC-064391 B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
Indian Hills Unit

8. Well Name and No.
Indian Hills Unit
No. 30

9. API Well No.

30-015-34655

10. Field and Pool, or Exploratory Area
Indian Basin Morrow (78960)

11. County or Parish, State

Eddy NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|--|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other <u>Add Perfs</u> |
| ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Marathon Oil Company has completed operations to add perforations to the Morrow formation in the Indian Hills Unit No 30. Please see attachment for work and perforation details. Also see attached new wellbore diagram with this sundry.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Charles E. Kendrix

Title

Reg Compliance Rep

Date 11/20/2007

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

DAVID R. GLASS

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1014 and 1015, and 18 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Indian Hills Unit No 30 Add Morrow Perforations

10/11/07 MIRU PU
 10/12/07 Install BOPE. POOH w/ tbg & subpump. RIH w/ killstring. SI well.
 10/16/07 POOH w/ killstring. RIH w/ bit, bailer, and csg scraper on 167 jts tbg.
 Tag TD. SI well.
 10/17/07 POOH w/ bit and bailer. RIH w/ killstrings. SI well.
 10/18/07 RIH w/ TCP guns and spaced w/ PLS pkr w/ subs. (tested tbg in hole to
 6000 psi) RU Baker Atlas wireline. RIH w/ gamma & collar locator.
 Installed well head hanger and tree. SI well.
 10/19/07 RU Halliburton N@. Unable to install isolation tool. RU Halliburton
 directly to wellhead. Loaded tbg w/ 25 bbls 7% KCL water. Charge tbg w/
 N2, Well bled down in 4 hours. and brought pressure to 5015 psi at
 surface. Guns fired. Pressure held at 4800 psi. RD Halliburton. Turned
 well to tank through choke. Left well flowing over weekend.
 10/22/07 ND wellhead. LD hanger. NU BOP. POOH / w 37 stds tbg. Shut in well.
 10/23/07 RU sub pump. RIH w/ sub pump on 157 stands of 2 3/8" tbg. Made final
 splice. Landed hanger in wellhead. SI well. Left PU Rigged up.
 10/24/07 RDMO PU. Put well on production f/ sub pump.

Wellbore Equipment in hole.

Quantity	Type	Size	Length	Top	Bottom
1	Tbg Sub	2 7/8"	26'	0	26'
1	xover collar	2 7/8"X 2/38"	1'	26'	27'
321	tbg jts	2 3/8"	9795'	27'	9822'
1	SN	2 3/8"	1'	9822'	9823'
1	tub jt	2 3/8"	31'	9823'	9854'
1	lift sub	2 3/8"	4'	9854'	9858'
1	sub pump		30'	9858'	9898'
1	gas separator		3'	9898'	9901'
1	motor		12'	9901'	9913'
1	Centinel Sensor		4'	9913'	9917'
	Shroud Bottom				9917'
	Dropped TCP guns @				10,050'
	PBTD @ (50' cmt)				10,250'
	CIBP @				10,300'

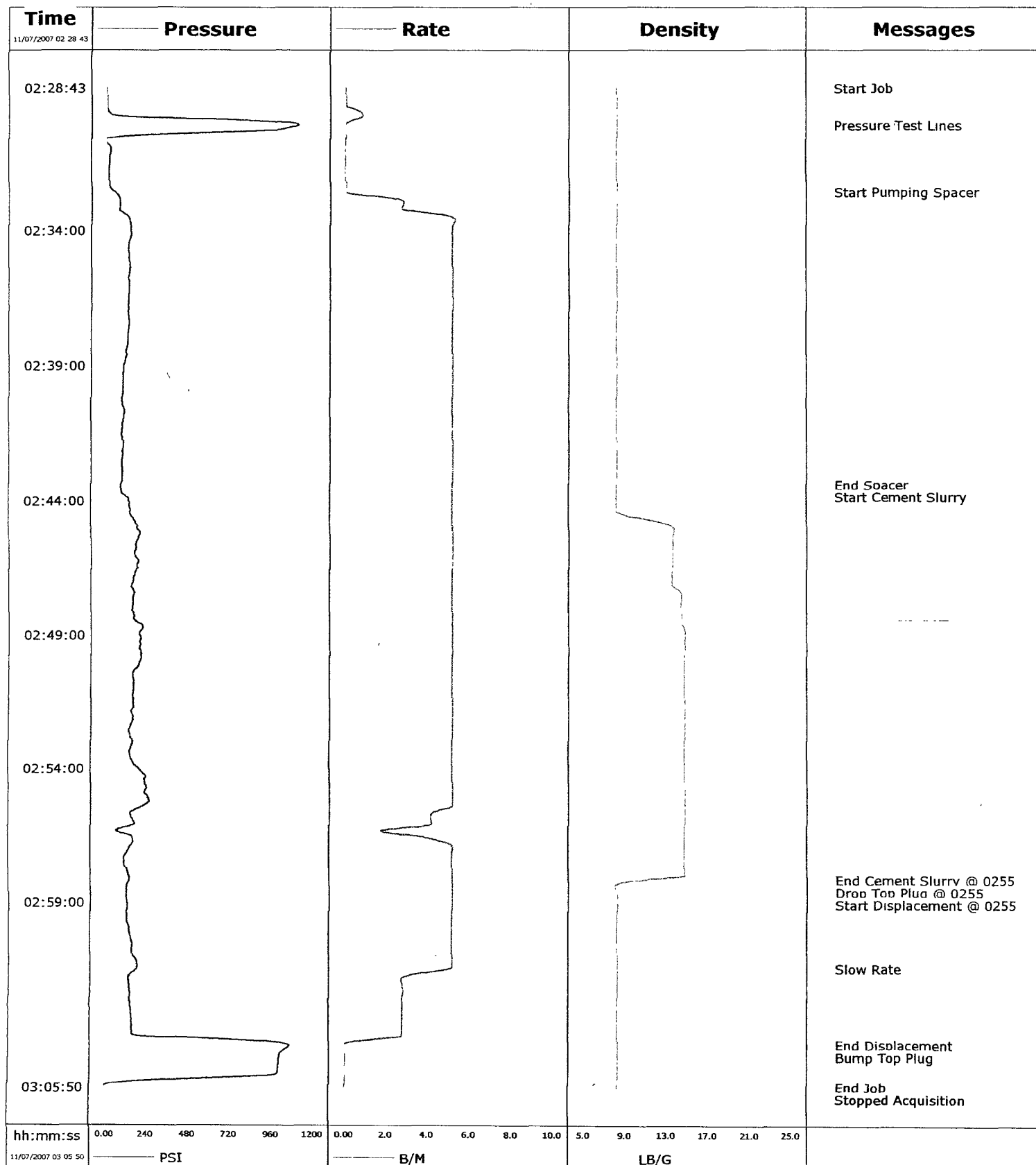
Morrow Perforations

Morrow Producing perforations 9728' – 9748'

Morrow Squeezed Perforations 9866' – 9887, 9958' – 9966', & 9969' – 9982'

Re-perforated 9866' – 9887'

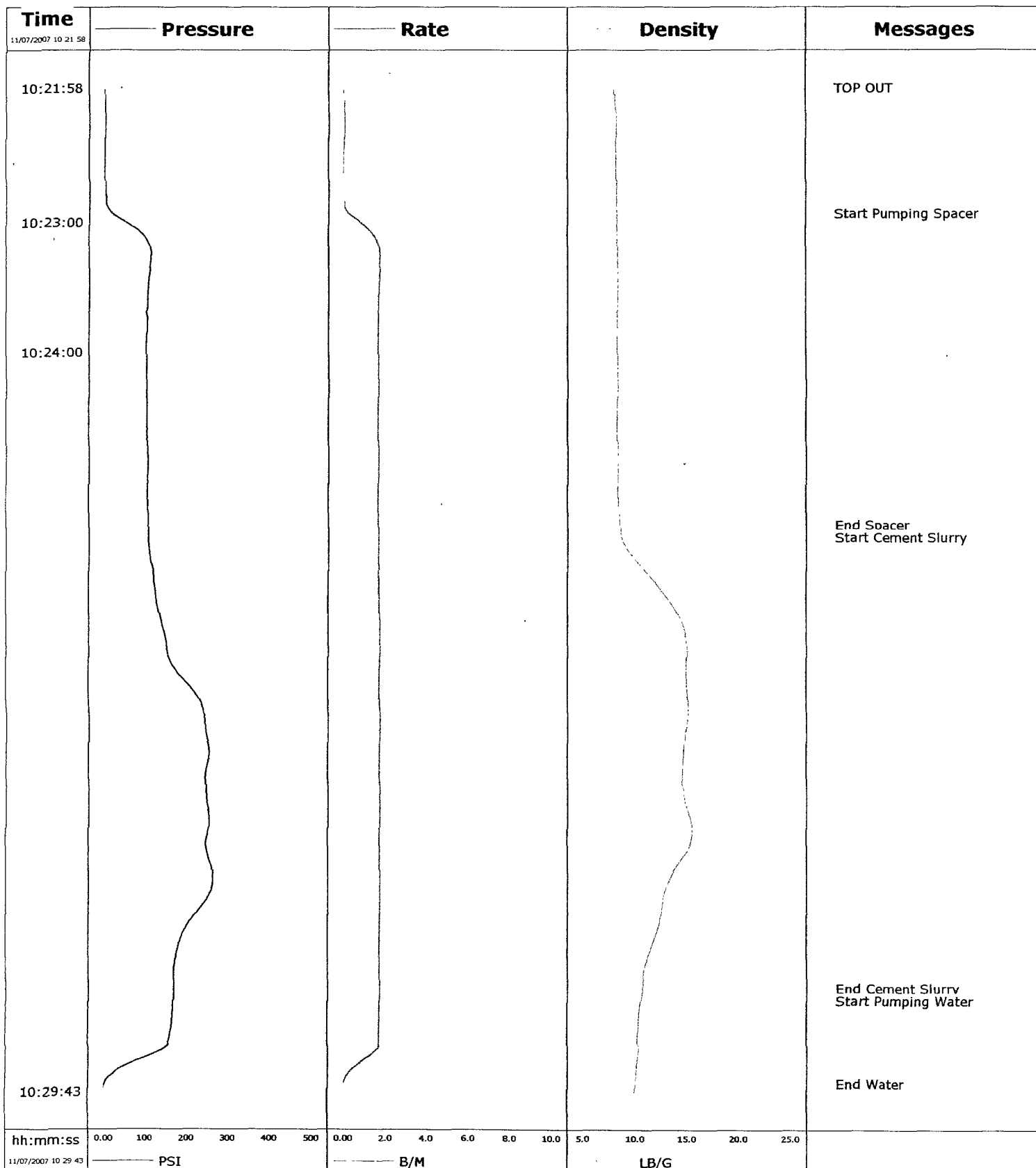
Well	Pinnacle State # 16	Client	RKI Explor Prod.
Field		SIR No.	2202046049
Engineer	Chris S deLeon	Job Type	9 5/8 Surf
Country	United States	Job Date	11-06-2007



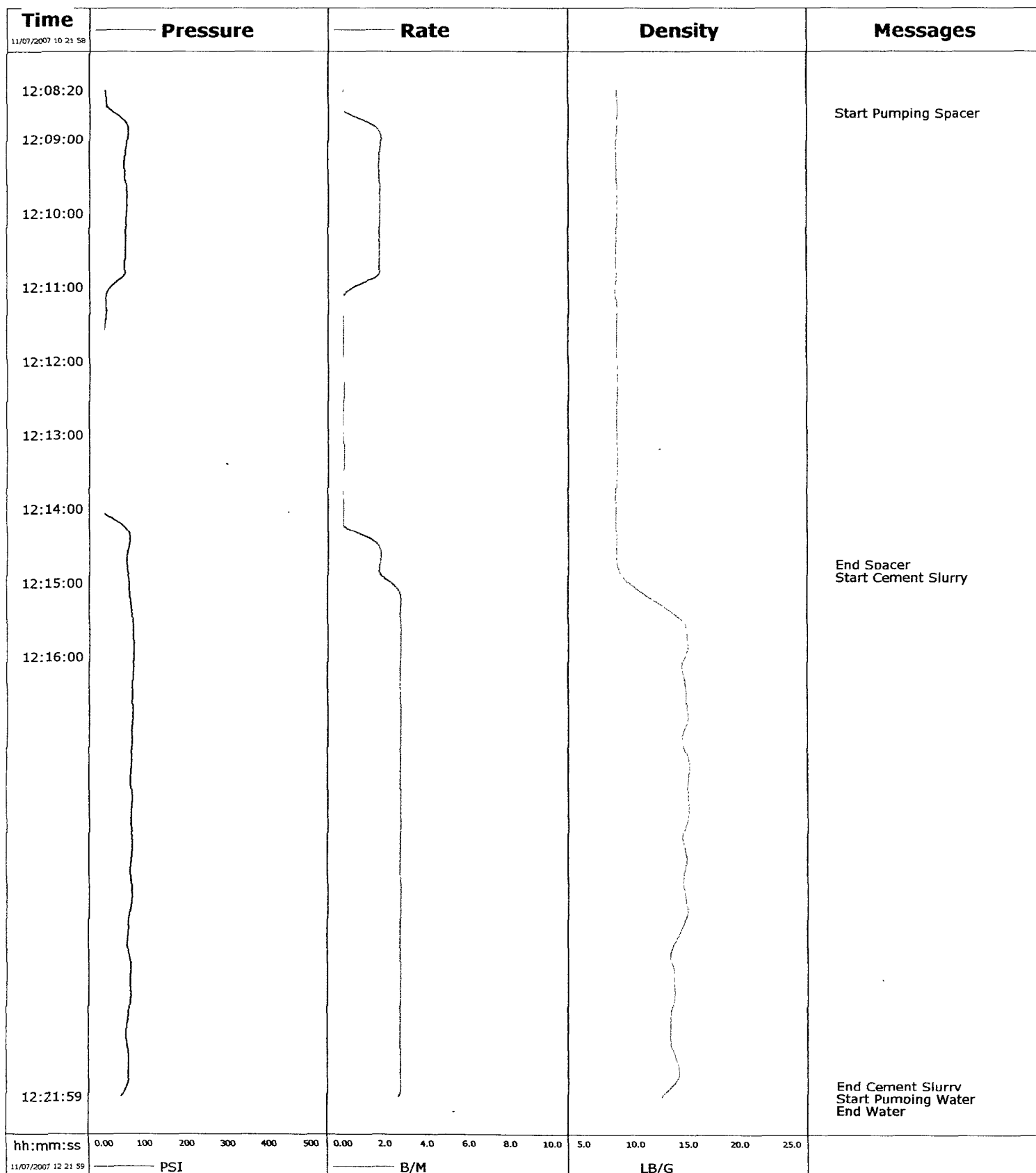
Schlumberger	Customer:	RKI Explor & Prod.
	District:	Artesia
	Representative:	Mr. John Blackwood
	DS Supervisor:	Chris S deLeon
	Well:	Pinnacle State # 16
Job Date: 11-06-2007		

Time mm:dd:yyyy:hh:mm:ss	CMT RATE bbl/min	CMT DENS lb/gal	CMT TREAT PRES psi
11:07:2007:02:28:43	Start Job		
11:07:2007:02:28:43	0.0	8.23	3
11:07:2007:02:30:05	Pressure Test Lines		
11:07:2007:02:30:05	-0.0	8.22	1107
11:07:2007:02:30:43	0.0	8.23	-5
11:07:2007:02:32:34	Start Pumping Spacer		
11:07:2007:02:32:34	0.0	8.23	45
11:07:2007:02:32:43	1.4	8.23	67
11:07:2007:02:34:43	5.2	8.22	129
11:07:2007:02:36:43	5.2	8.22	124
11:07:2007:02:38:43	5.2	8.23	110
11:07:2007:02:40:43	5.2	8.22	108
11:07:2007:02:42:43	5.2	8.23	91
11:07:2007:02:43:24	End Spacer		
11:07:2007:02:43:24	5.2	8.22	88
11:07:2007:02:43:25	Start Cement Slurry		
11:07:2007:02:43:25	5.2	8.22	88
11:07:2007:02:44:43	5.2	11.52	168
11:07:2007:02:46:43	5.2	13.62	169
11:07:2007:02:48:43	5.2	14.74	215
11:07:2007:02:50:43	5.2	14.82	167
11:07:2007:02:52:43	5.2	14.82	139
11:07:2007:02:54:44	5.2	14.82	239
11:07:2007:02:56:44	4.6	14.82	163
11:07:2007:02:58:09	End Cement Slurry @ 0255		
11:07:2007:02:58:09	5.2	11.11	141
11:07:2007:02:58:10	Drop Top Plug @ 0255		
11:07:2007:02:58:10	Start Displacement @ 0255		
11:07:2007:02:58:10	5.2	10.62	140
11:07:2007:02:58:44	5.2	8.33	122
11:07:2007:03:00:44	5.2	8.32	160
11:07:2007:03:01:24	Slow Rate		
11:07:2007:03:01:24	5.2	8.32	189
11:07:2007:03:02:44	2.8	8.32	151
11:07:2007:03:04:14	End Displacement		
11:07:2007:03:04:14	0.0	8.32	1042
11:07:2007:03:04:19	Bump Top Plug		
11:07:2007:03:04:19	-0.1	8.32	1059
11:07:2007:03:04:44	0.0	8.32	1000
11:07:2007:03:05:47	End Job		
11:07:2007:03:05:47	0.0	8.32	2

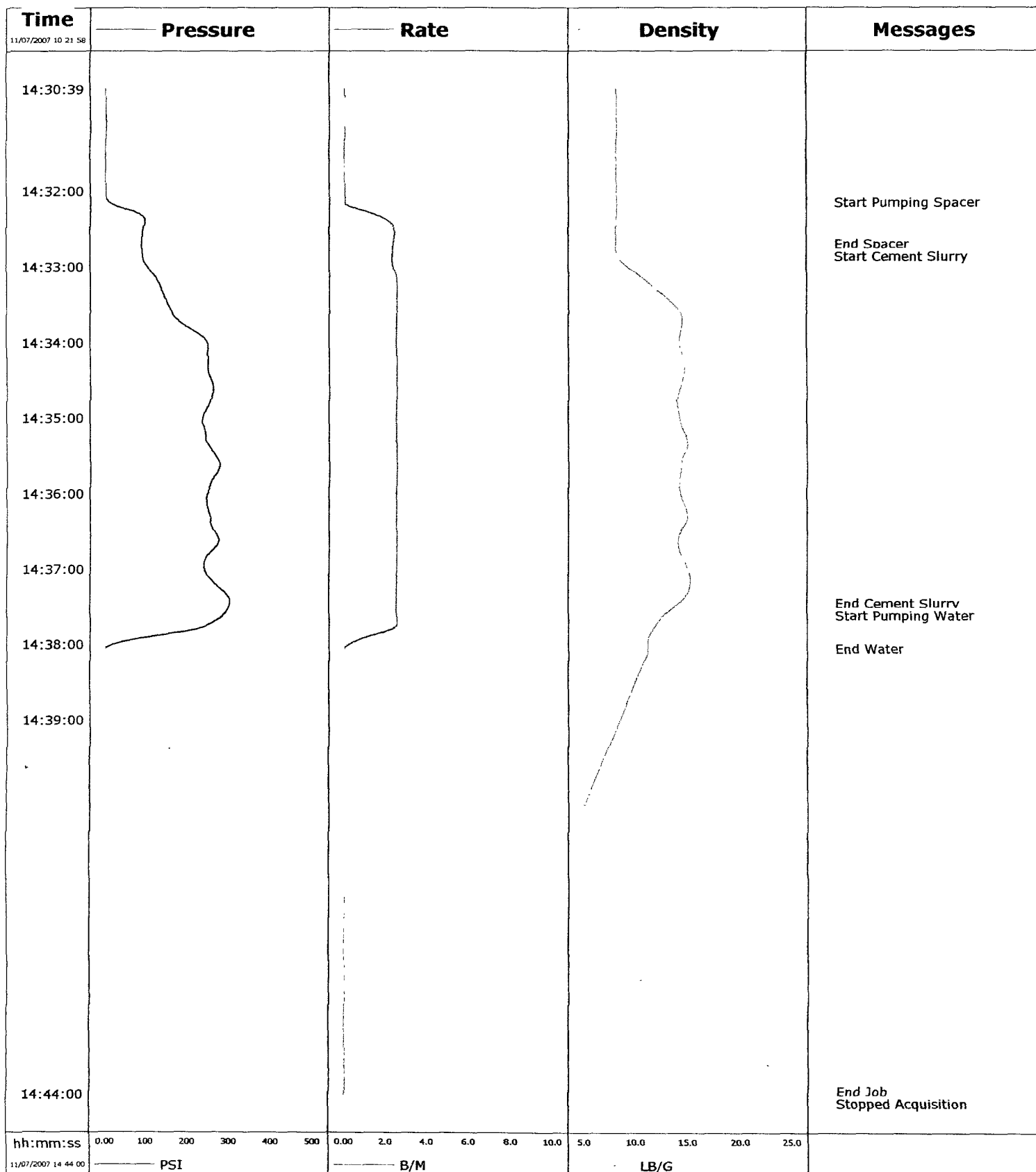
Well	Pinnacle State # 16	Client	RKI Explor Prod Co
Field		SIR No.	2202046049
Engineer	Chris S deLeon	Job Type	Top Out
Country	United States	Job Date	11-07-2007



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Schlumberger	Customer:	RKI Explor & Prod Co
	District:	Artesia
	Representative:	Mr. John Blackwood
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	Well:	Pinnacle State # 16
Job Date: 11-07-2007		

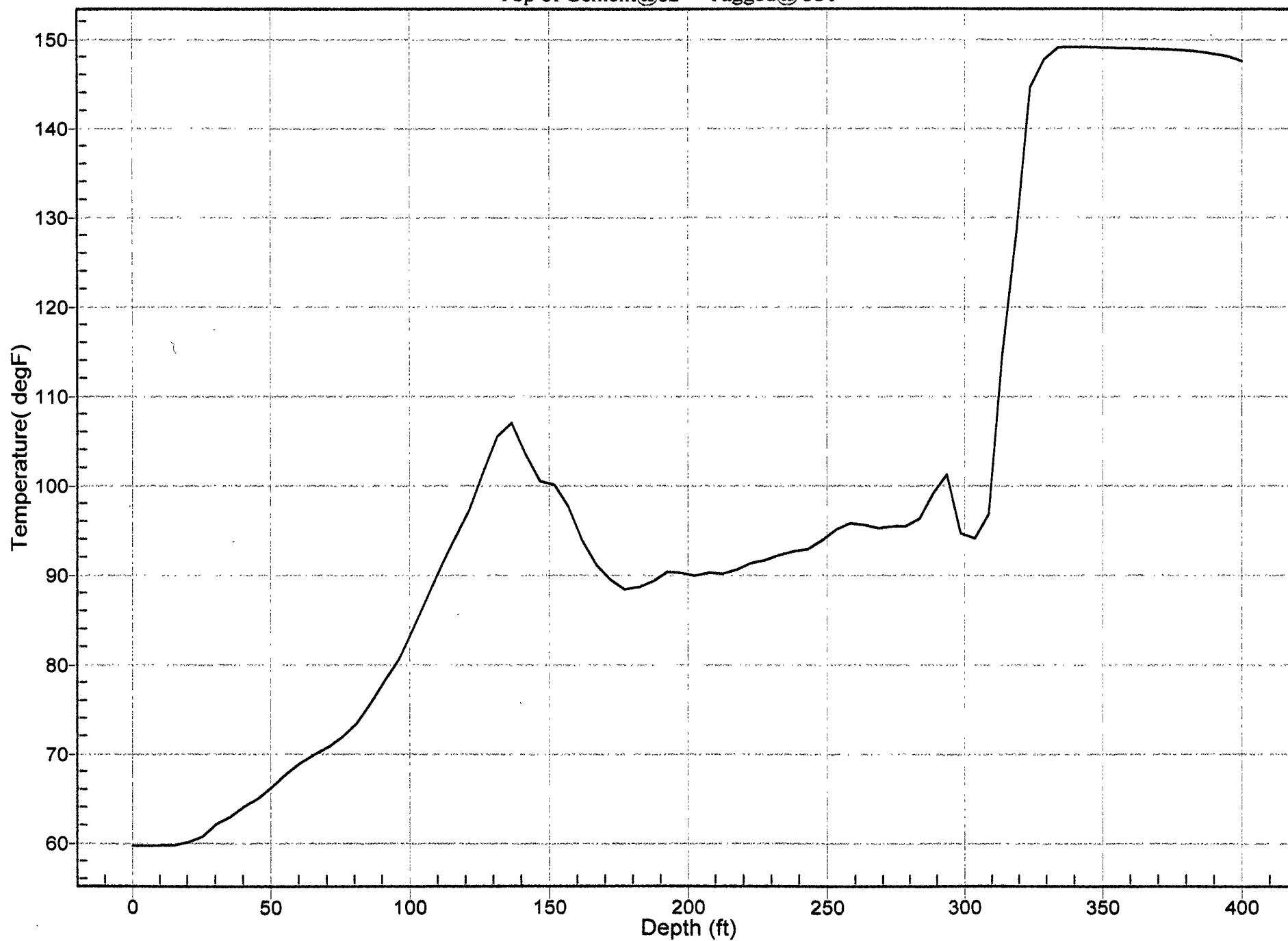
Time mm:dd:yyyy:hh:mm:ss	CMT RATE bbl/min	CMT DENS lb/gal	CMT TREAT PRES psi
11:07:2007:10:21:58	TOP OUT		
11:07:2007:10:21:58	-0.0	8.01	2
11:07:2007:10:22:56	Start Pumping Spacer		
11:07:2007:10:22:56	0.2	8.21	17
11:07:2007:10:23:58	1.6	8.34	102
11:07:2007:10:25:20	End Spacer		
11:07:2007:10:25:20	1.6	8.53	107
11:07:2007:10:25:21	Start Cement Slurry		
11:07:2007:10:25:21	1.6	8.53	107
11:07:2007:10:25:58	1.7	13.71	130
11:07:2007:10:27:58	1.7	14.15	258
11:07:2007:10:28:55	End Cement Slurry		
11:07:2007:10:28:55	1.7	10.70	170
11:07:2007:10:28:56	Start Pumping Water		
11:07:2007:10:28:56	1.7	10.68	170
11:07:2007:10:29:39	End Water		
11:07:2007:10:29:39	0.0	10.00	4
11:07:2007:12:08:34	-0.0	8.25	5
11:07:2007:12:08:39	Start Pumping Spacer		
11:07:2007:12:08:39	0.2	8.25	23
11:07:2007:12:10:34	1.7	8.19	50
11:07:2007:12:12:34	0.0	8.25	-4
11:07:2007:12:14:34	1.8	8.19	56
11:07:2007:12:14:45	End Spacer		
11:07:2007:12:14:45	1.7	8.25	54
11:07:2007:12:14:46	Start Cement Slurry		
11:07:2007:12:14:46	1.7	8.28	54
11:07:2007:12:16:34	2.7	14.86	69
11:07:2007:12:18:34	2.7	14.61	69
11:07:2007:12:20:34	2.7	13.74	66
11:07:2007:12:21:50	End Cement Slurry		
11:07:2007:12:21:50	2.7	13.50	57
11:07:2007:12:21:51	Start Pumping Water		
11:07:2007:12:21:51	2.7	13.39	56
11:07:2007:12:21:56	End Water		
11:07:2007:12:21:56	2.7	12.84	50
11:07:2007:14:31:13	0.0	8.22	1
11:07:2007:14:32:09	Start Pumping Spacer		
11:07:2007:14:32:09	0.0	8.22	11
11:07:2007:14:32:42	End Spacer		
11:07:2007:14:32:42	2.4	8.17	89
11:07:2007:14:32:43	Start Cement Slurry		
11:07:2007:14:32:43	2.4	8.17	89
11:07:2007:14:33:13	2.5	11.30	129
11:07:2007:14:35:13	2.5	14.83	243
11:07:2007:14:37:13	2.5	15.29	269
11:07:2007:14:37:27	End Cement Slurry		
11:07:2007:14:37:27	2.5	14.22	300
11:07:2007:14:37:28	Start Pumping Water		
11:07:2007:14:37:28	2.5	14.07	300
11:07:2007:14:38:03	End Water		
11:07:2007:14:38:03	0.0	11.19	-2
11:07:2007:14:43:57	End Job		

Well: Pinnacle State # 16

Job Date: 11-07-2007

<i>Time</i> <i>mm:dd:yyyy:hh:mm:ss</i>	<i>CMT RATE</i> <i>bbl/min</i>	<i>CMT DENS</i> <i>lb/gal</i>	<i>CMT TREAT PRES</i> <i>psi</i>
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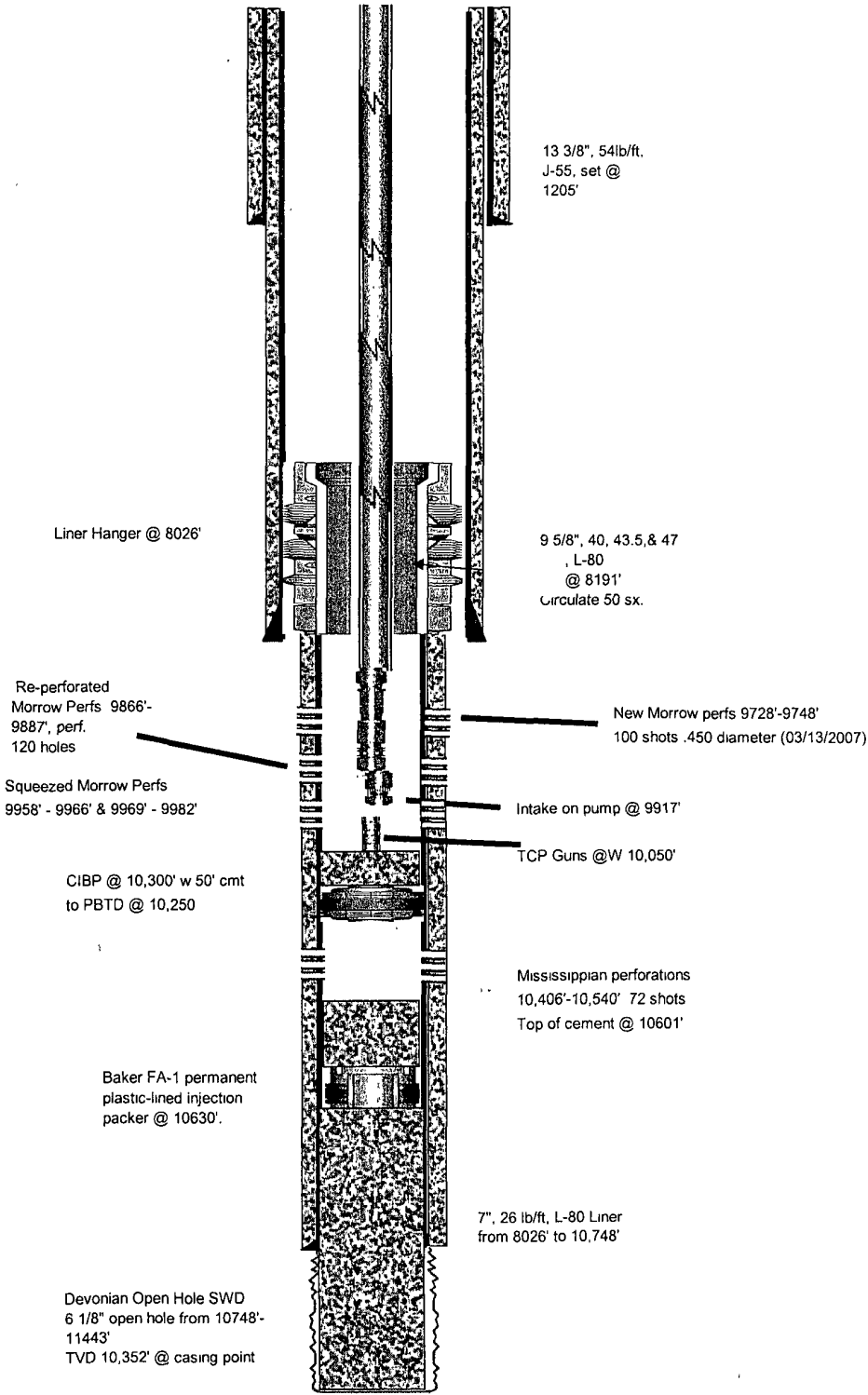
RKI Pinacle ST.#16
Top of Cement@82' Tagged@ 330'





Indian Hills Unit #30
Morrow Re-completion
(Added Perforation to 2nd Morrow
Completion

GL 3791', KB 3817', TD 11443'
(Depths are Measured Depth)



Prepared By:	Charles Kendrix	Last Revision Date	10/28/07
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